€ 19.-

RADBOOK 2019

The Guide to Imaging
Technology and Informatics in Europe

Vol. 13

• IT • CT • MRI • Interventional • Mammo • R/F • Nuc • Displays/Printers
• Ultrasound • Injectors • Testing Devices

SIEMENS
Healthineers

MAGNETOM Lumina

A **Bio**Matrix System

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards
expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

IT-SOLUTIONS

	Management		Archiving	
	RIS	**Business Intelligence**	**Enterprise PACS**	
AGFA HealthCare	ORBIS RIS IMPAX RIS	Enterprise Imaging Business Intelligence	Enterprise Imaging	HYDMedia Enterprise Imag
BMS INFORMATIONSTECHNOLOGIE® GMBH				
Canon		Vitrea Advanced Visualization		
CHILI Einfach überzeugend			CHILI PACS	CHILI PACS
FUJIFILM			Fujifilm Synapse S	Fujifilm Synaps
GE Healthcare	Centricity RISi with eRadCockpit	Healthcare Analytics Solutions	Centricity PACS with Universal Viewer	Centricity Clini (VNA L1-L4, XD
Guerbet Contrast for Life				
HOLOGIC® The Science of Sure				SecurXchange
IMAGE Information Systems	iQ-RIS		iQ-SYSTEM PACS	iQ-SYSTEM PAC
i-SOLUTIONS HEALTH	RadCentre RadCentre Analytics	RadCentre Analytics BusinessCentre	RadCentre Multi-PACS Integration	RadCentre Archi
itz-medi.com PACS & Telemedizin	ITZ Hyper.RIS		ITZ Hyper.PACS	ITZ Hyper.PACS ITZ Hyper.ARC
KONICA MINOLTA			Acies	Acies ImagePilot
bender gruppe medigration	WinRadiolog RIS		ImageBroker	ImageBroker
PROTEC TEAM|SPIRIT|ABILITY			PROPAXX	
SOHARD SOFTWARE			SeDI – Semantic PACS	
SIEMENS Healthineers			PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions *syngo* Dynamics	PACS *syngo*.plaz VNA *syngo*.shar eHealth Solutio next generation

Image Distribution

VNA	Inhouse	Teleradiology	Portal Solution	Cloud Computing Application
ging VNA	Enterprise Imaging XERO Viewer	Enterprise Imaging XERO Viewer	Engage Suite for Integrated Care	Enterprise Imaging
	Vitrea Advanced Visualization	Vitrea Advanced Visualization		Vitrea Advanced Visualization
	CHILI/Web	CHILI/Web	CHILI/Telemedicine Record	OmniPACS
e VNA	Fujifilm Synapse S	Fujifilm Synapse S		Fujifilm Synapse S
cal Archive S Repository)	Centricity PACS with Universal Viewer Zero Footprint	Centricity PACS with Universal Viewer Zero Footprint Centricity 360	Centricity RIS with eRadCockpit Centricity 360	Centricity 360
	SecurXchange SecurView Manager			
S	iQ-VIEW iQ-4VIEW MED-TAB	iQ-VIEW iQ-4VIEW MED-TAB	MED-TAB iQ-WEBX iQ-4VIEW	iQ-CLOUD MED-TAB
iving Solution	Health Relations RC	Health Relations RC	Health Relations RC	RadCentre as a Service
	ITZ Hyper.PACS ITZ Hyper.WEB ITZ Hyper.mView	ITZ Hyper.TELEMED ITZ Hyper.COM Dicom2Mail ITZ Hyper.mView	ITZ Hyper.WEB ITZ Hyper.TELEMED ITZ Hyper.UP ITZ Hyper.mView	ITZ Hyper.PACS Telearchive ITZ Hyper.WEB Cloud ITZ Hyper.ARC Cloud ITZ DicomCloud.de
	Acies ImagePilot	Acies ImagePilot		
	ImageWeb	webConnect	PraxisPortal	PraxisPortal App
za e ns n VNA	PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions *syngo* Dynamics	PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions *syngo* Virtual Cockpit	PACS *syngo*.plaza *syngo* Dynamics *syngo* Virtual Cockpit	teamplay VNA *syngo*.share eHealth Solutions

BioMatrix is expanding its reach – now on five scanners

Embrace human nature with BioMatrix Technology

Patients have unique, individual characteristics. Their different physiologies and anatomies – but also the way we interact with them and with technology – cause unwarranted variations. These unique human characteristics – biovariabilities – pose significant challenges in MRI: Inconsistent exams. Poor image quality. Increased need for rescans. Unpredictable scheduling. They all can negatively impact the quality and cost of the care you provide.

BioMatrix technology – now available on five scanners – helps to overcome these challenges with a whole new approach: by embracing human nature. Instead of expecting patients to adjust to the technology, BioMatrix automatically adjusts to the patient. BioMatrix Sensors, Tuners, and Interfaces allow you to anticipate motion, adapt to the patient, and to simplify and accelerate patient preparation – no matter who comes next.

siemens-healthineers.com/biomatrix

BioMatrix Technology

Anticipate motion for high-quality results with **BioMatrix Sensors**

Adapt to challenging anatomies for reliable exams with **BioMatrix Tuners**

Accelerate patient preparation for increased efficiency with **BioMatrix Interfaces**

Scanners from left to right: MAGNETOM Vida, MAGNETOM Lumina, MAGNETOM Sola, MAGNETOM Altea, MAGNETOM Amira with BioMatrix.

MAGNETOM Amira – A BioMatrix System is 510(k) pending. It is not commercially available in all countries.
Due to regulatory reasons the future availability cannot be guaranteed.

SIEMENS
Healthineers

Dear Reader,

like many other industries, radiology is in a state of flux. At the scientific congresses in Chicago and Vienna, companies presented systems that are based on machine learning algorithms, contribute to workflow optimization, support radiologists with reporting or improve the control of modalities.

Examples include intelligent automated workload distribution to support readings, computer-assisted detection of lesions or camera-based optimized patient positioning.

Artificial neural networks will probably be used in the future where it is important to avoid errors and where the user can be relieved of monotonous work.

Moreover, workflow orchestrators, clinical decision support systems and smart modalities will also be very popular in regions where radiologists are in short supply. There they will improve the overall care situation.

According to a study by the consulting firm Accenture, the estimated annual market volume for AI applications in the healthcare sector in the USA will be $ 6.6 billion by 2021. The corresponding figure in 2014 was only $ 600 million. In addition, according to a survey, 39 percent of all healthcare executives and executives confirm that they will invest in AI. Predictive analytics and clinical decision support systems are among the main areas of application.

The growing number of providers shows that AI activities are picking up speed. Our observations showed that in 2016 only 14 companies presented AI solutions at ECR in Vienna, in 2017 there were 31 and in 2018 more than 50. Supply and demand are increasing with enormous growth rates.

We are happy to ensure that you stay on top of the developments.

Your editorial team

Daniela Zimmermann and **Guido Gebhardt**

ECR 2019
the **bigger picture**

February 27 – March 3 | Vienna, Austria

REGISTER NOW!

the annual meeting of

ESR
EUROPEAN SOCIETY OF RADIOLOGY

myesr.org/registration

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Canon
CANON ELECTRON TUBES & DEVICES CO., LTD.

Canon

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STERNMED
we make it possible

ultrasound
technologies

VAREX
IMAGING

VILLA

Dual Source CT

Siemens Healthineers · Somatom Force

Power	Gantry bore	Scan spees
240 kW	78 cm	Up to 737 mm/s

Highlights
- Bring image quality to the next level with Vectron X-ray tube. (Replace with low dose early)
- Kidney-friendly scanning with significantly reduced contrast media amounts required (low kV imaging)
- Ultra low dose and "free-breathing" CT with outstanding native temporal resolution
- FAST Integrated Workflow with FAST 3D Camera to get two steps ahead in patient positioning
- Dual Source Dual Energy
- Precise dose neutral Energy quantification to add tissue information to morphology
- Temporal resolution: 66 ms (full body)

Siemens Healthineers · Somatom Drive

Power	Gantry bore	Scan speed
200 kW	78 cm	Up to 458 mm/s

Highlights
- Tin Filters – a new level of CARE, bring CT doses to those expected in a routine X-ray series
- Straton MX Sigma X-ray tube with High Power 70 & 80 enables lower doses with consistent image quality
- 10 kV Steps allow for the most precise dose values for every single patient
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- Dual Source Dual Energy

Volume CT

Block Imaging

Power	Gantry bore	Scan range
35 – 120 kW	70 cm	170 cm

Highlights
Offering the most popular models from all major manufacturers
- We buy and sell used CT systems
- 4 – 320 Slice systems available
- Professional project managers handle every detail of system deinstallation and installation
- Systems available from GE, Toshiba, Philips, Hitachi, and more
- Recover true value of your trade-in
- „Go Green" and recycle your equipment

Canon · Aquilion One Genesis Edition

Power	Gantry bore	Scan range
100 kW	78 cm	150 / 200 cm

Highlights
- AiCE (Deep Learning Reconstruction)
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 0.275 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.22 mm spatial resolution
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Dual Energy applications
- Isophasic organ perfusion

Canon · Aquilion One Genesis Edition 350

Power	Gantry bore	Scan range
100 kW	78 cm	150 / 200 cm

Highlights
- AiCE (Deep Learning Reconstruction)
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 0.35 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.22 mm spatial resolution
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Dual Energy applications
- Isophasic organ perfusion

Canon · Aquilion Precision

Power	Gantry bore	Scan range
72 kW	78 cm	170 / 200 cm

Highlights
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 2048 matrix reconstruction
- 0.1 mm spatial resolution
- 6 focal spot tube
- 0.35 s rotation
- Up to 320 slices/rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)

AI-powered healthcare

Transforming data into knowledge for better care

Much like the late 1800s when medicine adjusted to the transformative discovery by Roentgen of the X-ray, the industry faces challenges as it shifts to new paradigms. Regulators must balance the need for AI and data sharing with patient privacy.

Staff must be trained to maximize the benefits of a technology new to them. Doctors accustomed to patients' office visits have to adapt to practicing "telemedicine" – treating patients who sometimes are located hundreds of miles away.

Siemens Healthineers is an industry leader in digitalizing healthcare, specifically by integrating disconnected and cumbersome IT systems to provide high value care by expanding precision medicine, transforming care delivery and improving the patient experience – enabled and supported by AI. More than 500 patents in machine learning and more than 125 patents in deep learning are currently held by the company, and already over 40 AI-based solutions are available in the market. It currently has access to over 300 million curated clinical images, reports, and data and receives additional insights from around 4,400 clinical collaborations worldwide. Using a 16-PetaFLOPS TensorCore supercomputer in New Jersey, USA, Siemens Healthineers scientists conduct around 400 AI experiments every day.

AI will transform diagnostic imaging

In simple terms, artificial intelligence (AI) is the process by which sophisticated software enables computers to augment or even emulate human intelligence and decision-making. How does it do that? By applying software algorithms, which Merriam-Webster defines as step-by-step procedures designed to solve a problem or accomplish some end. Although intelligent algorithms have been used for some time in segments of the imaging field, new methods of machine learning based particularly of "deep learning"

are much more powerful. AI systems will take this algorithmic learning and apply it to parse and learn from patient data, providing insights for doctors in making more informed and accurate recommendations. In the next five to ten years, AI will transform diagnostic imaging by speeding up critical workflows, preventing diagnostic errors and reducing missed billing opportunities.

Put more simply, AI and its "predictive analytics" helps medical professionals to recognize patterns common to past cases and apply that learning to new patient cases. The big distinction between AI and other software is that it has the ability to learn and improve over time from new data and experiences. Significant gains especially have been reported in recent years in AI-assisted cardiac risk assessment. AI can cull through hundreds of thousands of cases to calculate where a heart patient fits into risk "stratification" to inform cardiologists' decision making.

Powerful tools, knowledge and expertise

So how does that affect the role of a today's radiologist? According to Siemens Healthineers, artificial intelligence will not replace the radiologists; merely provide them with more powerful tools, knowledge and expertise – e.g. in the case of tuberculosis screening, especially in regions with limited medical resources and personnel. There, staff is benefiting from deep learning algorithms for the analysis of chest scans to identify people who have an increased likelihood of the disease and need for further testing. A recent US clinical trial using AI to analyze head images came up with improved detection of intracranial bleeding, another lifesaving advance. Many other AI applications, including for the analysis of lung and liver cancers are at a practical development stage and a growing number of algorithms are now approved for clinical use by the US Food and Drug Administration.

AI-enriched highlighting and measuring

Siemens Healthineers recently launched the AI-Rad Companion[1], its intelligent software assistant for radiology. The first application – AI-Rad Companion Chest CT – identifies and measures organs and lesions on CT images of the thorax, and automatically generates a quantitative report. The software highlights the various structures individually, while marking and measuring potential abnormalities, such as lung lesions or coronary artery calcification, in places that radiologists might not consider so closely. AI-Rad Companion Chest CT also examines the spine in the patient's chest region. It detects and segments the individual vertebrae, labels and analyses them for bone density and possible fractures. This can be helpful for detecting osteoporotic changes at an early stage. AI-Rad Companion Chest CT is vendor-neutral, and can analyze image data from all CT manufacturers.

www.siemens-healthineers.com.

1) 510(k) pending. This information about this product is preliminary. It is under development, not commercially available, and its future availability cannot be ensured.

Some products and features are not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for more details.

■ Computed Tomography

Volume CT

Canon · Aquilion Prime SP

Power	Gantry bore	Scan range
72 kW	78 cm	150 / 200 cm

Highlights
- AIDR 3D Enhanced iterative reconstruction
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 0.23 mm spatial resolution
- 0.35 s rotation
- 4 cm coverage
- Up to 160 slices / rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Iterative 3D Fluoro
- Low dose cardiac scanning

Canon · Aquilion Lightning SP

Power	Gantry bore	Scan range
50.4 kW	78 cm	150 / 200 cm

Highlights
- AIDR 3D Enhanced iterative reconstruction
- Artificial intelligence in scanning and processing
- PUREViSION low dose detector
- 0.25 mm spatial resolution
- 0.5 s rotation
- 4 cm coverage
- Up to 160 slices / rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- Iterative 3D Fluoro

GE Healthcare · Revolution CT

Power	Gantry bore	Scan range
103 kW	80 cm	200 cm

Highlights
- Gemstone Clarity Detector for 80 or 160 mm detector coverage
- Unique image chain hardware with Volume HD reconstruction
- ASiR-V – up to 82 percent lower dose
- Best effective temporal resolution enabled by 0.28-second rotation speed combined with intelligent motion correction for excellent cardiac imaging at any heart rate
- Aorta, heart and lung in just one second

GE Healthcare · Revolution Frontier

Power	Gantry bore	Scan range
100 kW	70 cm	200 cm

Highlights
- Spectral imaging in the daily routine – the high-performance spectral CT for the entire clinical range
- Excellent spatial resolution with the Gemstone Clarity detector
- Spectral imaging with outstanding temporal resolution, monochromatic images and quantification in mg / volume
- Low dose presentation of coronary arteries at high pulse with SnapShot Freeze
- GSI Pro - dose-neutral thanks to ASiR-V
- SmartMAR – raw data based metal artifact reduction

GE Healthcare · Revolution HD

Power	Gantry bore	Scan range
100 kW	70 cm	200 cm

Highlights
Revolution HD can reach any part of the body of virtually any patient and perform both generalized and specialized clinical applications, including:
- Gemstone Spectral Imaging – quantitative dual-energy CT
- Neuro imaging – Revolution HD ensures ample coverage to perform perfusion studies of the entire brain
- Gemstone detector – highest spatial resolution (0.23 mm)
- Cardiac GSI
- SmartMAR – raw data based metal artifact reduction
- ASiR-V – up to 82 percent lower dose

GE Healthcare · Revolution EVO

Power	Gantry bore	Scan range
72 / 89 kW	70 cm	200 cm

Highlights
- Widest variety of patients and applications, from complex trauma to advanced vascular and perfusion
- Confidence even when performing advanced procedures such as cardiac and TAVI planning
- High-resolution at low-dose: Clarity imaging chain with technology inherited from Revolution CT
- ASiR-V – up to 82 percent lower dose
- SmartMAR – raw data based metal artifact reduction

Hitachi · Scenaria View

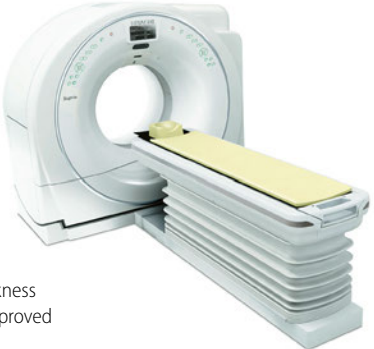| Power	Gantry bore	Scan range
72 kW (84 kW optional)	80 cm	200 cm

Highlights
- Open design concept with aperture diameter of 800 mm
- New algorithms for iterative reconstruction: Intelli IPV
- X-ray tunbe: 7.5 MHU equivalent to 45 MHU with Intelli IPV
- Minimum scan time for all types of examination: 0.35 seconds
- Minimum slice thickness: 0.625 mm
- Unique laterally moving patient table (total: 200 mm)
- 475 mm wide patient table with weight limit of 250 kg
- Slices per rotation 64 / 128
- Dual Energy Scan

Hitachi · Supria 64 / 128

Power	Gantry bore	Scan range
51 kW	75 cm	180 cm

Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footrpint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor
- Slices per rotation: 64 / 128
- System footprint: 13.5 m²

Siemens Healthineers · Somatom Edge Plus

Power	Gantry bore	Scan speed
100 kW	78 cm	Up to 230 mm/s

Highlights
- Tin Filters – bringing CT doses to those expected in a routine X-ray series
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- High Power 70 & 80 and 10 kV Steps helps to obtain high quality images despite large patient diversity
- Cardiac and 4D imaging at high quality and low dose – outperforming all other single source systems
- TwinBeam Dual Energy
- Temporal resolution: 140 ms (full body)

Siemens Healthineers · Somatom Definition Edge

Power	Gantry bore	Scan speed
Up to 100 kW	78 cm	Up to 230 mm/s

Highlights
- 0.28 s rotation speed
- Revolutionary Stellar detector: 0.50 mm slices for 0.30 mm spatial resolution
- Straton tube with z-Sharp technology and 70 kV imaging
- Raw-data based iterative reconstruction (ADMIRE)
- Dynamic imaging of up to 48 cm
- TwinBeam Dual Energy

20 to 64 Slices

Siemens Healthineers · Somatom go.Top

Power	Gantry bore	Scan speed
75 kW	70 cm	Up to 175 mm / s

Highlights
- The unique Mobile Workflow allows operation of the scanner from a wireless tablet
- The GO technologies automate workflows with machine learning landmark detection
- Low-kV imaging, 10 kV steps , Tin Filter and iterative reconstruction enable dose-optimized scanning
- The Stellar detector keeps electronic noise low and increases dose efficiency
- High temporal resolution for excellent cardiac imaging and TBDE to improve diagnostic quality
- TwinBeam Dual Energy (TBDE)
- System footprint: 7.4 m²

Canon · Aquilion Lightning

Power	Gantry bore	Scan range
50.4 kW	78 cm	148 / 198 cm

Highlights
- AIDR 3D Enhanced iterative reconstruction
- Artificial intelligence in scanning and processing
- PUREViSION low dose detector
- 0.5 s rotation
- 2 cm coverage
- Up to 32 slices / rotation
- SUREPosition patient centring
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- SUREStart iterative bolus tracking
- Iterative 3D Fluoro

Canon — a bright future in healthcare.

Healthcare IT

Offering leading-edge
diagnostic support systems
and network solutions
utilizing ICT.

In-vitro Diagnostic Systems

Supporting examination
workflows with high resolution
and rapid analysis of blood
and other specimens
taken from patients.

It has been more than one year since Canon welcomed Canon Medical into the Canon Group.

One thing hasn't changed. The patient is always at the heart of everything we do. Canon Medical's philosophy, "Made for Life," embodies our mission in healthcare to improve the lives of people wherever they are in the world.

Our cutting-edge solutions in medical imaging and in-vitro diagnostics are built around delivering the best possible care. Driven by a commitment to data science research and collaboration, we continue to develop intelligent IT platforms to transform the healthcare problems of today into the solutions of tomorrow.

Caring for life — now and into the future.

Diagnostic Imaging Systems

Meeting clinical needs with high resolution imaging from CT, MRI, X-ray and Ultrasound systems.

20 to 64 Slices

Canon · Aquilion Start

Power	Gantry bore	Scan range
36 kW	78 cm	153 / 183 cm

Highlights
- AIDR 3D
  Enhanced iterative reconstruction
- Artificial intelligence
  in scanning and processing
- PUREViSION low dose detector
- 0.75 s rotation
- 1.6 cm coverage
- Up to 32 slices/rotation
- 220 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- SUREStart iterative bolus tracking
- SURESubtraction for superb iodine
  imaging

Fujifilm · FCT Speedia HD

Power	Gantry bore	Scan range
72 / 108 kW	75 cm	175 / 195 cm

Highlights
- 5 MHU tube
- Sub second scan time for all applications
- 0.675 mm minimum slice thickness
- Wide bore gantry for improved patient
  experience and operators' practice
- Compact footprint to maximize
  easiness of installation
- Advanced iterative reconstruction to
  allow low dose examinations
- Intuitive GUI with 24-inch color display
- Slices per rotation: 64 / 128
- System Footprint: 13.5 m^2

Hitachi · Supria 16 / 32

Power	Gantry bore	Scan range
51 kW	75 cm	180 cm

Highlights
- 5 MHU X Ray tube
- Sub second scan time for all
  examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved
  patient experience
- The compact footprint needs small
  installation space
- New Iterative reconstruction algo-
  rithm for low dose examinations
- Intuitive GUI design with 24-inch
  wide monitor
- Slices per rotation: 16 / 32
- Field of view: 500 mm

Siemens Healthineers · Somatom go.All

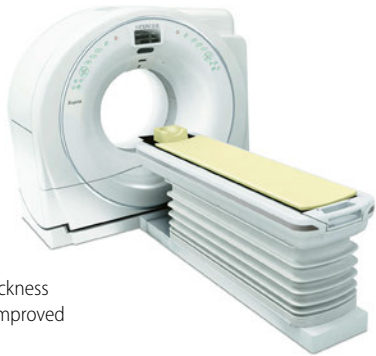| Power	Gantry bore	Scan speed
75 kW	70 cm	Up to 100 mm / s

Highlights
- The unique Mobile Workflow allows
  operation of the scanner from a
  wireless tablet
- The GO technologies automate
  workflows with machine learning
  landmark detection
- Low-kV imaging, 10 kV steps, Tin
  Filter and iterative reconstruction
  enable dose-optimized scanning
- The Stellar detector keeps electronic
  noise low and increases dose efficiency
- High temporal resolution and
  workflow automation facilitate easy
  cardiac examinations
- Rotation speed: 0.33 s
- System footprint: 7.4 m^2

Siemens Healthineers · Somatom go.Up

Power	Gantry bore	Scan speed
32 kW	70 cm	Up to 42 mm / s

Highlights
- The unique Mobile Workflow allows
  operation of the scanner from a
  wireless tablet
- The GO technologies automate
  workflows with machine learning
  landmark detection
- Tin Filter technology enables ultra-
  low dose-optimized scanning at the
  levels of conventional X-ray
- The Stellar detector keeps electronic
  noise low and increases dose
  efficiency
- First level cardiac assessment sup-
  ported by calcium scoring evaluation
- Wireless tablet and remote control
- Slices per rotation: 64 with IVR
- System footprint: 7.4 m^2

Siemens Healthineers · Somatom go.Now

Power	Gantry bore	Scan speed
32 kW	70 cm	Up to 21 mm / s

Highlights
- The unique Mobile Workflow allows
  operation of the scanner from a
  wireless tablet
- The GO technologies automate
  workflows with machine learning
  landmark detection
- Tin Filter technology enables ultra-
  low dose-optimized scanning at the
  levels of conventional X-ray
- The Stellar detector keeps electronic
  noise low and increases dose efficiency
- Longer lasting Chronon tube
  minimizes downtime and maximizes
  throughput
- Slices per rotation: 32 with IVR
- System footprint: 7.4 m^2

Launch from Varex Imaging

New Service Solutions Group for the X-ray Systems Service Market

At Varex Imaging, we aren't just a supplier to our customers. We aim to be an extension of their teams; a partner in their success; and provide solutions to their challenges. Our goal is to facilitate our customers' ability to provide world class service. Our knowledge, our people, our innovation and our 65+ year history of dedication to the X-ray imaging industry, make us who we are. At Varex Imaging, we are Solutions in Sight.

Varex Imaging Corporation has formed a group of account managers and support engineers to focus on customers who service X-ray imaging equipment. Recognizing the customer's challenges, Varex aims to provide cost effective service in today's competitive healthcare market. The Service Solutions Group will provide a series of increased support capabilities designed to enable customers' ability to service systems with Varex components including:

- New warranty and service contracts including exchange programs
- Increased inventory at regional stocking locations
- More competitive DR and DRF upgrade packages and flat panels
- Enhanced technical support
- Increased range of X-ray tubes

NEW PRODUCT RELEASES

Varex MCS-6074D a replacement designed to match the GE Performix 40 X-Ray tube. Optimized in form and function for use with Optima CT660 CT scanner with conventional ball bearings. We offer 12 month or 6000 patient exam warranty.

Varex GS-5172 a CT tube Replacement for Philips CT scanners. There are two versions: **GS-5172** replaces the CTR2150CEPN in Philips MX-16 CT scanners and **GS-5172B** replaces the CTR2150 in Philips Brilliance CT Scanners. Designed to match the original tube in form, fit and function with 200,000 scans second / 12-month warranty. *www.vareximaging.com*

> *Varex Imaging Service Solutions Group delivers cost effective aftermarket services and products, enabling Varex customers to optimize asset life cycles. Leveraging our global presence and service centers, Varex offers value added support to service X-ray imaging systems around the world. The Service Solutions Group provides world class imaging components and services in flexible and innovative offerings."*
>
> DAVID HURLOCK, Services Solutions Group

2 to 16 Slices

Fujifilm · FCT Speedia

Power	Gantry bore	Scan range
48 kW	75 cm	110 cm

Highlights
- 5MHU tube
- Sub second scan time for all applications
- 0.675 mm minimum slice thickness
- Wide bore gantry for improved patient experience and operators' practice
- Compact footprint to maximize easiness of installation
- Advanced iterative reconstruction to allow low dose examinations
- Intuitive GUI with 24-inch color display
- Slices per rotation: 16 / 32
- System Footprint: 13.5 m^2

GE Healthcare · Revolution ACT

Power	Gantry bore	Scan range
32 / 40 kW	65 cm	135 cm

Highlights
- Low dose: 40 percent* less dose with ASiR in all applications
- Organ dose modulation for protection of sensitive organs.
- High-quality thin-slice images with IQ Enhance
- Lower siting costs with smallest 16-slice CT system
- Up to 20 percent lower electronic noise thanks to HiLight Scintillator Detector with VolaraDT DAS
- 47 percent lower power requirement with GE innovative energy-saving mode software

Compared to prior generation

GE Healthcare · Discovery RT

Power	Gantry bore	Scan range
55 / 100 kW	80 cm	170 cm

Highlights
- Wide bore geometry (80 cm)
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40 percent dose reduction across the body with integrated ASiR reconstruction*
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW
- SmartMAR – raw data based metal atrefact reduction
- Deviceless 4D – breath gating
- 80 cm max FOV

GE Healthcare · Optima CT520

Power	Gantry bore	Scan range
42 / 70 kW	70 cm	160 cm

Highlights
- Premium 16 slices / 32 slices CT for all routine applications
- Top image quality through premium detector system
- Xtream display for easy automated workflow
- Low dose: 40 percent* less dose with ASiR in all applications.
- Metal artifact reduction SmartMAR / energy saving mode / compact footprint and low power consumption

Compared to conventional FBP reconstruction

GE Healthcare · Optima CT540

Power	Gantry bore	Scan range
60 / 88 kW	70 cm	173 cm

Highlights
- Premium 16 slices/ 32 slices CT with very high capacity
- Extended range of applications for Polytrauma & Obesity
- Top image quality due to premium detector system
- Xtream display for simple automated workflow
- Low dose: 40 percent* less dose with ASiR in all applications
- Metal artifact reduction SmartMAR
- Compact footprint, low power consumption

Compared to conventional FBP reconstruction

SternMed · Cytom 16

Power	Gantry bore	Scan range
60 kW	70 cm	160 cm

Highlights
- Non-contact PowerLink Gantry Technology
- 0.5 s / 360°, fully satisfied clinical actual demand
- Ultra Fast rare earth ceramic detector
- 24 rows detector, one disc rotation collect 16 slices images
- 21,504 detector units
- Coverage of each single scan is 20 mm
- Multiple X-ray dose reduction technology
- Intelligent scattering line automatic elimination technology
- 120 second Non Stop scanning

Oncology CT

Canon · Aquilion LB

Power	Gantry bore	Scan range
72 kW	90 cm	150 / 200 cm

Highlights
- 70 cm FOV
- 85 cm extended FOV
- Artificial intelligence in scanning and processing
- AIDR 3D iterative reconstruction
- PUREViSION low dose detector
- 0.5 s rotation
- 3.2 cm coverage
- Up to 32 slices/rotation

- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- SUREStart iterative bolus tracking
- Respiratory gating
- Iterative 3D Fluoro
- Oncology table top

GE Healthcare · Discovery RT

Power	Gantry bore	Scan range
55 / 100 kW	80 cm	170 cm

Highlights
- Wide bore geometry (80 cm)
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40 % dose reduction across the body with integrated ASiR reconstruction*
- 4D gating reconstruction on the operator console

- Complete and easy to use RT simulation planning solution with SIM MD on AW
- SmartMAR – raw data based metal atrefact reduction
- Deviceless 4D – breath gating
- 80 cm max FOV

Oncology CT

Siemens Healthineers · Somatom Definition Edge

Power	Gantry bore	Scan speed
Up to 100 kW	78 cm	Up to 230 mm / s

Highlights
- Advanced evaluation of therapy response of tumors and tissues properties thanks to TwinBeam Dual Energy and Adaptive 4D Spiral
- Improved visualization thanks to iMAR and extended field of view of 78 cm
- Comprehensive tumor motion management solution
- Improved process efficiency with a workflow guided RT solution
- Slices per rotation: 64
- Dual Spiral Dual Energy / TwinBeam Dual Energy

Siemens Healthineers · Somatom Confidence RT Pro

Power	Gantry bore	Scan speed
Up to 100 kW	80 cm	Up to 96 mm / s

Highlights
- DirectDensity allows images of any kV value to be used in the TPS without the need of several calibration curves
- Enable visualization up to 80 cm with HD FoV Pro
- Precise reduction of metal artifacts with iMAR
- Improve visualization with Dual Energy
- Leverage your ability to be more accurate with iterative reconstruction
- Slices per rotation: 20 / 64
- Detector: Stellar RT
- Dual Spiral Dual Energy

Siemens Healthineers · Somatom go.Up

Power	Gantry bore	Scan speed
32 kW	70 cm	Up to 42 mm / s

Highlights
- The mobile workflow brings an unparalleled level of flexibility and mobility to daily CT routines
- GO technologies help standardize and simplify all departmental processes – from patient setup to image distribution, archiving, and reading
- Stellar detector keeps electronic noise low, increases dose efficiency, and improves spatial resolution
- Tin Filter (Sn) cuts out lower energies to reduce dose and optimizes contrast at the interface between soft tissue and air
- The dedicated Patient Table RT is fully compliant with AAPM TG-66, compatible with many third party
- Guide&GO is an intuitive tablet-based solution for CT-guided interventions

Siemens Healthineers · Somatom Edge Plus

Power	Gantry bore	Scan speed
100 kW	78 cm	Up to 230 mm / s

Highlights
- Tin Filters – bringing CT doses to those expected in a routine X-ray series
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- High Power 70 & 80 and 10 kV steps helps to obtain high quality images despite large patient diversity
- 4D imaging at high quality and low dose – outperforming all other single source systems

Conebeam CT

Cefla · NewTom 5G XL

FOV	Scan time	Pixel size
6 × 6 cm – 21 × 19 cm	18 s	100 µm

Highlights
- Cone Beam CT with open gantry and supine position. Backside access available.
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Orthopaedics, Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Ray 2D" single 2D acquisition

Cefla · NewTom VGi evo

FOV	Scan time	Pixel size
5 × 5 cm – 24 × 19 cm	15 s	100 µm

Highlights
- Cone Beam CT seated/standing patient positioning
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Sharp 2D" from CBCT acquisition

Cefla · NewTom Giano HR Professional

FOV	Scan time	Pixel size
4 × 4 cm – 16 × 18 cm	14 s	68 μm – 100 μm

Highlights
- Sharp, detailed 3D images useful for otorhinolaryngology investigations
- Dedicated trajectories for studying pathologies of the cervical spine
- Examination of both temporomandibular joints in a single scan
- Pre-set radiation levels and exclusive SafeBeam technology lets users select the best exposure and obtain the optimal dose
- Engineered to be easy upgrade every time in every configuration
- Dedicate 2D/3D high-end sensor auto- adjust 3D / PAN
- Auto adaptive picture treatments, 3D aMAR, Sharp2D algorithms

Planmeca · Viso

FOV	Scan time	Voxel size
Ø 30 x 30 – Ø 300 × 300 mm	1 – 36 s	75 μm @ Ø 30 × 30 mm

Highlights
The Planmeca Viso CBCT unit combines premium image quality and usability. It offers a wide volume selection from single tooth to full skull. Patient positioning is done directly from the control panel using integrated cameras and a live patient view.
The volume size can be adjusted freely from 3 × 3 to 30 × 30 cm. Single scans covering the entire maxillofacial area can be acquired without stitching.

Planmeca · ProMax 3D family

FOV	Scan time	Voxel size
Ø 42 × 50 – Ø 230 × 260 mm	7.5 – 27 s	75 μm @ Ø 42 × 250 mm

Highlights
Planmeca ProMax 3D is a product family consisting of multipurpose all-in-one units. With three different types of three-dimensional imaging – as well as panoramic, extraoral bitewing and cephalometric imaging – these units can meet all maxillofacial imaging needs. The pioneering low dose 3D protocol enables CBCT imaging with an even lower patient radiation dose than standard panoramic imaging.

Planmed Oy · Verity

FOV	Scan time	Pixel size
13 × 16 cm	18 s	127 μm

Highlights
- Cone Beam CT (CBCT) scanner dedicated to extremity and head and neck imaging
- Weight-bearing imaging
- kV range 80 - 96
- High quality 3D-imaging with Planmeca Ultra Low Dose
- Advanced artefact removal algorithms
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient

Conebeam CT

Villa Sistemi Medicali · Rotograph Prime 3D

FOV	Scan time	Pixel size
max. 85 x 93mm	7 s	87.5 μm / 175 μm

Highlights
- Comprehensive diagnostic tool providing any dental practice an easy transition to the most advanced imaging technologies through an affordable investment
- Flat Panel detector able to perform 2D and 3D exams
- High resolution 3D exams with voxel size of 87.5 μm
- Availability of multiple FOVs to focus the exam on the anatomical region of interest
- Villa 3D Planner software dedicated to implant planning
- Scan volume: Max. 93 × 285 mm (full dentition)
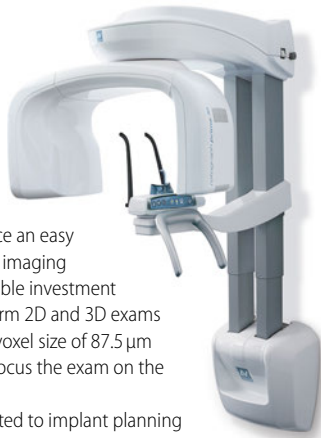
Villa Sistemi Medicali · Rotograph Evo 3D

FOV	Scan time	Pixel size
85 x 85 mm	11.2 s	93 μm / 185 μm

Highlights
- 3-in-1 dental system with "Cone Beam" technology: Pan, Ceph, 3D
- Pan-3D detector always ready to operate: no need to switch it from Pan to 3D mode
- Optional Evo Xp Examination Module enlarges the traditional Panoramic views
- Accessible to any patient, including ones on wheelchairs
- Selection of reduced FOVs, focused on maxillary dentition and manibular dentition, for dose reduction
- Scan volume: Max. 93 × 82 mm (full dentition)

Accessories / Complementary Systems

Canon Electron Tubes & Devices · CT Tube assembly

Highlights
- For CT systems (2-MHU to 4-MHU)
- Uses a liquid metal bearing
- Supports 0.5 s full scans
- Our unique liquid metal bearing technology uses an all-metal target, enabling high anode heat dissipation with low noise and long bearing life.

Dunlee · CT Replacement Tubes
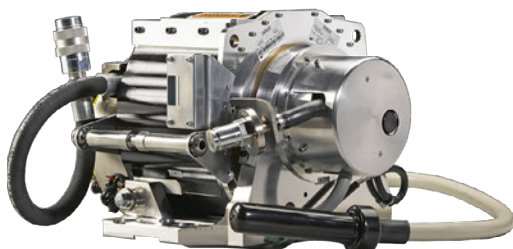
Highlights
Dunnlee's CT replacement tubes:
- Suitable for a variety of the most popular GE scanner types
- Offer excellent quality
- Meticulously engineered to be OEM-equivalent
- Include 24/7/365 technical support
- Tube stocks at major airport hubs in the United States, Europe and Asia

Dunlee · Components Bundle for CT

Highlights
- The Xpert bundle with CT8000 meets your needs for an ideal integration into high-end CT systems
- Consists of an X-ray tube, generator, cooling unit and cables
- For a fast integration into your development process to speed up the time to market
- Extraordinary image quality combined with wide coverage

VAREX
IMAGING

CT Solutions in Sight

MeVis Veolity Software
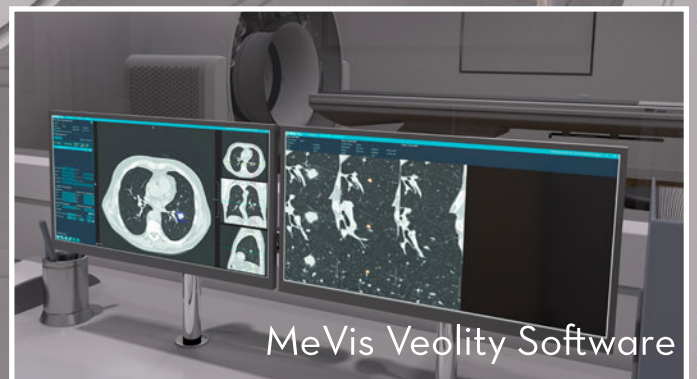
Accessories / Complementary Systems

Febromed · Get Up

For your patients:
- Independent moving
- Safe support in any position
- Safe motion for seniors and disabled people

For your staff:
- Ergonomic working
- Reduced physical workload
- Fast changing oft he sling

For your facility:
- Various combination with existing systems
- Small space requirement
- Mounting on wall, floor or ceilin on customer request

I.A.E. · RTC 165

Highlights
- Replacement for GE Scanners: Sytec 6,000 / 8,000 Prospeed, Hispeed Dxi, Fxi, Lxi CT/i Advantage
- Reloaded in original CT Housing
- Careful refurbishing of original casing
- Replacing of all wear subject components
- Special cathode processing for reliable current emission
- Controlled thickness window for consistent HVL

Leoni · Cable Systems

Highlights
LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for CTs and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Planmeca · Calm
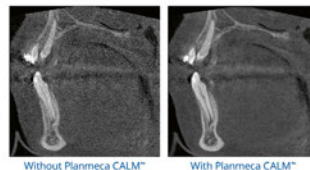
Highlights
Patient movement during CBCT acquisition is one of the biggest contributors to poor image quality. The Planmeca CALM algorithm cancels the effects of patient movement, so that retakes and unnecessary radiation can be avoided. It can be applied after image acquisition or before exposures. Excellent for imaging child patients or otherwise lively patients. Available for all Planmeca 3D units.

PTW · Nomex Dosemeter

Highlights
- Diagnostic dosemeter, CE marked, class IIb certified, fully compliant with IEC 61674
- Suitable for CTDI measurements acc. to IEC 60601-2-44 using a 100 or 300 mm CT ion chamber
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: CTDI head and / or body phantoms, CE marked, class I certified

Ultrasound Technologies · MedicCO$_2$LON

Highlights
Colonic Insufflator for CT Colonography. The MedicCO$_2$LON provides automated colonic distension with CO$_2$ gas for CT colonography procedures, providing reliable colon distension while improving patient comfort.
- State of the art design allowing ease of operation
- Near silent operation
- Large, colour touchscreen LCD
- LED backlight and wide view angle
- Compact, lightweight design
- Multilingual interface
- Locking connectors

Varex Imaging · Cardinal CT Tube

Highlights

The Cardinal (Computed Tomography) CT tube is being designed into new OEM equipment and is also a direct replacement for the Stargate / CTR-2150 tube used in Philips Brilliance 6 and 16 CT scanners. The Cardinal has a high heat capacity with excellent image quality and throughput allowing for quicker imaging.

Varex Imaging · CT Replacement Tube – MCS 6074

Highlights

The MCS 6074 Computed Tomography (CT) tube is designed as a replacement tube for the GE Light-Speed and BrightSpeed families of CT scanners. The tube has a 200 mm (7.9") 140 kV, 4.7 MJ (6.3 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 6074 calibrates like the original, has long life bearings with 0.5 second full scans and offers a full 12-month warranty.

Varex Imaging · CT Replacement Tube – MCS 8064

Highlights

The MCS 8064 is an anode end grounded (AEG) Computed Tomography (CT) tube designed as a replacement tube for Lightspeed VCT series scanners. The tube has a 240 mm (9.4") 140 kV, 5.7 MJ (8.0 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 8064 offers lower life cycle costs and boasts a full 12-month warranty. The MCS-8064 installs and calibrates on the LightSpeed VCT like the original OEM tube.
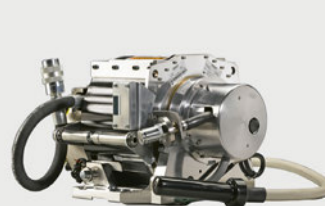
DOSE MANAGEMENT SYSTEMS
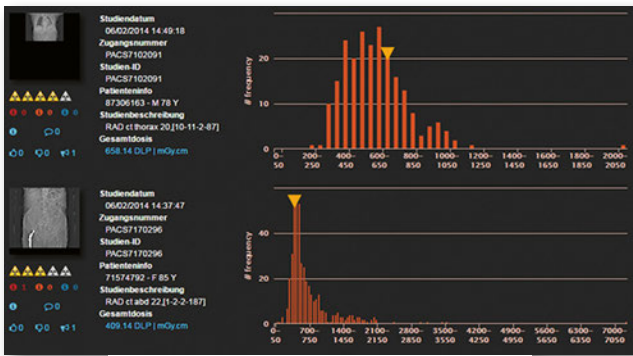
Agfa HealthCare · Dose

The web-based Dose Monitoring platform, integrates directly into existing picture archiving and communication system's (PACS) environment. Collecting the dose and metadata information already there, it can create patient radiation dose analyses at the study, patient, device, modality or institution level. It also provides all the tools you need for Root Cause Analysis, to help you understand and solve potential problems.

The Dose Monitoring solution gives the tools needed to manage, analyze and balance the organization's radiation dose management.

BMS Informationstechnologie
EasyDose^{QM}

The EasyDose^{QM} system is an actual intuitive and easy to use tool. EasyDose^{QM} focuses on current european standards and regulations and enables health care professionals to automatically monitor and compare actual dose data with official Diagnostic Reference Levels (DRL). Major emphasis has been placed upon user friendliness, even in complex data mining situations. With the help of interactive dashboards radiological key performance indicators (KPI's) can be visualized on one single screen. These features help to identify alerts and warnings immediately. EasyDose^{QM} utilizes DICOM, HL7 and integrates seamlessly within existing HIS / RIS and PACS systems.

Fujifilm · Syncro-Dose

Syncro-Dose is a comprehensive system for monitoring and managing patient radiation exposure across different imaging modalities. It is a support for the optimization of radiological procedures and acquisition protocols, a tool for supporting clinical audit and it provides a comprehensive Patient Dosimetric History.

General and specific Dashboards track Key Performance Indicators (KPI) to measure productivity, to achieve quality assurance and to support quality of care.

GE Healthcare
DoseWatch

DoseWatch is a comprehensive integrated solution that enables radiation dose and contrast parameters management, optimization and standardization. It is a web-based dose management solution that captures, tracks, and reports radiation and contrast dose directly from the medical device or PACS.

It is a multi-modality and vendor agnostic solution that can support optimizing dose levels by helping to detect possible causes of excess radiation. Thanks to its analytical functions and visualization abilities the system helps to get more transparency and dose awareness. Thus focused images ca be produced in diagnostic exams with lower exposure.

Guerbet · Dose&Care

Dose&Care is an operational and flexible solution to monitor patient X-ray exposure. It connects to any ionizing modality (CT, DR, XR, XA, NM, MG) and to the IT environment (HIS, RIS, PACS…) and can be adapted to the imaging center specific workflow.

Dose&Care records patient exposure data and provides a comprehensive set of tools to document, analyze and share information, including: patient history, DRLs benchmark, automated and manual alerts, organ dose, peak skin dose, comparison tools, high level and advanced statistics, automated reports, export tools and much more.

Easy to use and understand, Dose&Care stands out as solution which supports efficiently best-practice policies and facilitates regulation compliance.
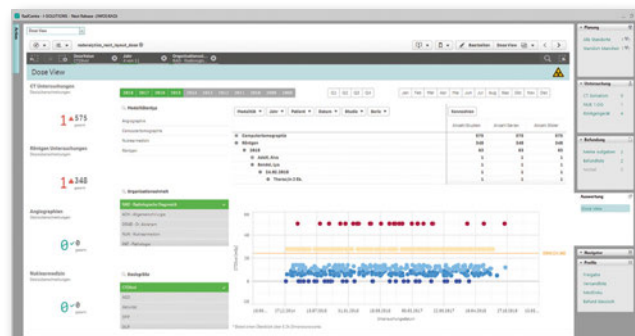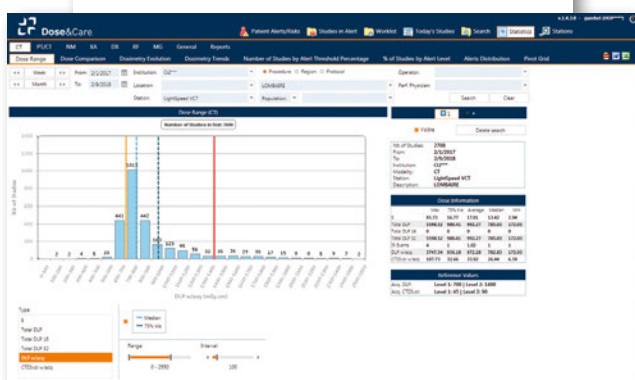
i-Solutions Health · RadCentre Dose View

RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements (i.e. EU-Directive EURATOM 2013/59 and related national regulations for radiation protection) by offering consistent standards to increase the quality of radiological examinations.

- Stand-alone dose management system, RIS-independent
- Conform to EU-Directive EURATOM 2013/59
- Tabular and graphic evaluation options to find examinations or modalities with increased radiation exposure
- Comparison of the applied dose to diagnostic reference values from the national Federal Office for Radiation Protection
- Offering consistent standards and increasing the quality of radiological examinations
- Patient exposure can be minimized
- Integration of dose values to the medical findings

Medigration · Domako

Domako is a simple and easy-to-use software solution for dose management in radiology. It collects, classifies and evaluates dose data of your modalities. It presents them in clearly arranged dashboards and provides user-friendly visual filtering and exploration, thus giving you the proper tools to efficiently control your dose management process and to optimize the protocols of your modalities purposefully. In doing so, Domako observes the current DRLs of the Federal Office for Radiation Protection (Germany) and provides you with reliable information on dose trends in your practice. Holistic or detailed, be it in terms of individual protocols, patient groups or even individual patients – Domako is highly flexible. It thus also fulfills the function of an automatic patient related x-ray dose documentation system. Monitoring the incoming dose data also enables you to react proactively to deviations. As a web-based on-premises system, Domako protects your sensitive data and can be easily integrated via standardized interfaces.
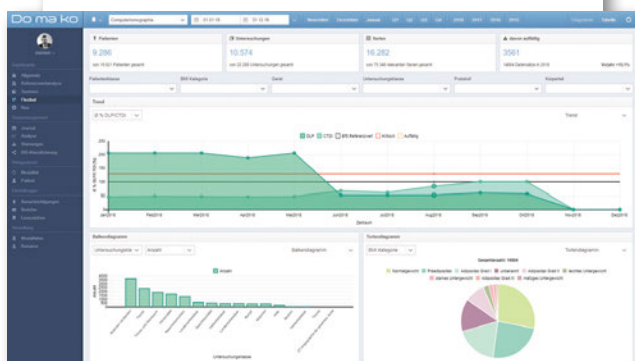
teamplay is a departmental performance management solution that brings together healthcare professionals and experts aiming to continuously improve medical care. teamplay allows you to make decisions swiftly and confidently, to access current data and thus optimize your workflow and to cooperate in a global team.

Our cloud-based network teamplay and the application teamplay Dose provide you at any time with an overview of the doses applied by your systems. The application visualizes the examinations that exceeded national reference levels or institutional set values, allowing you to analyse outliers on a case-by-case basis and identify their cause. Add your comment in a detailed list to fulfil your documentation requirements. In short: teamplay Dose is the ideal tool to ensure compliance with Council Directive 2013/59/EURATOM.

Siemens Healthineers · teamplay

Dose Management Systems

Company	Agfa HealthCare	BMS	Fujifilm	Guerbet
Product	**Dose**	**EasyDose^QM**	**Syncro-Dose**	**Dose&Care**
European head office	●	●	●	●
Technical support in Europe	●	●	●	●
CE mark	●	○	●	●
Licensing policy				
Single license	○	●	●	●
Campus license	○	●	●	●
Concurrent license	○	●	●	○
Pay per study	●	●	●	●
Pay per modality	●	●	○	●
Free trial	●	●	●	●
User administration				
User concept (Admin, Radiologist, Radiographer, etc.)	●	●	●	●
User concept for multiple clients	●	●	●	●
User customizing	●	●	●	●
Desktop and user customizing	●	●	●	●
Modality interfacing				
CT	●	●	●	●
PET-CT	●	●	●	●
SPECT-CT	●	●	●	●
RF	●	●	●	●
XA	●	●	●	●
DR	●	●	●	●
DX	●	●	●	●
MG	●	●	●	●
CR	●	●	●	●
Individually	●	●	●	●
All modalities per PACS	●	●	●	●
Automatic connection of new modalities	○	○	○	○
Connection only via manufacturer	○	●	●	○
Connection also via user possible	○	●	●	●
Synchronization of protocols				
Manually	○	●	●	●
Automatically	○	●	●	○
Automatically with user spezifications	○	●	●	●
Automatically using specific terminology (RadLex Playbook SNOMED, ACR-Index, or alike)	○	●	○	●
IT communication (read, save, process, evaluate)				
DICOM RDSR	●	●	●	●
DICOM MPPS	●	●	●	●
DICOM-Header	●	●	●	●
OCR	●	○	●	●
HL7	●	●	●	●
IHE-REM	●	●	○	●
Participating in IHE Connectathon	●	○	○	○

Caption: ● function available ○ function not available or not applicable (n /a)

GE Healthcare	i-Solutions Health	Medigration	Siemens Healthineers	Company
DoseWatch	**RadCentre Dose View**	**Domako**	**teamplay**	**Product**
●	●	●	●	European head office
●	●	●	●	Technical support in Europe
●	○	●	●	CE mark
				Licensing policy
●	○	○	○	Single license
●	●	●	○	Campus license
●	●	○	○	Concurrent license
●	○	○	●	Pay per study
●	○	●	○	Pay per modality
●	○	●	●	Free trial
				User administration
●	●	●	●	User concept (Admin, Radiologist, Radiographer, etc.)
●	●	○	●	User concept for multiple clients
●	●	●	●	User customizing
●	●	●	○	Desktop and user customizing
				Modality interfacing
●	●	●	●	CT
●	●	●	●	PET-CT
●	●	●	●	SPECT-CT
●	●	●	●	RF
●	●	●	●	XA
●	●	●	●	DR
●	●	●	●	DX
●	●	●	●	MG
●	●	●	●	CR
●	●	○	●	Individually
●	●	●	●	All modalities per PACS
○	●	○	●	Automatic connection of new modalities
●	○	●	○	Connection only via manufacturer
○	●	○	●	Connection also via user possible
				Synchronization of protocols
●	●	●	●	Manually
●	●	●	●	Automatically
●	●	●	●	Automatically with user spezifications
●	●	○	●	Automatically using specific terminology (RadLex Playbook SNOMED, ACR-Index, or alike)
				IT communication (read, save, process, evaluate)
●	●	●	●	DICOM RDSR
●	●	○	●	DICOM MPPS
●	●	●	●	DICOM-Header
●	○	○	●	OCR
●	●	○	○	HL7
●	●	○	○	IHE-REM
●	○	○	○	Participating in IHE Connectathon

Caption: ● function available ○ function not available or not applicable (n /a)

Dose Management Systems

Company	Agfa HealthCare	BMS	Fujifilm	Guerbet
Product	**Dose**	**EasyDose^{QM}**	**Syncro-Dose**	**Dose&Care**
Data analysis				
Examination protocol per				
– Modality	●	●	●	●
– Modality Type	●	●	●	●
– Examination protocol and modality	●	●	●	●
– Reference value and modality	●	●	●	●
– Reference value and selected modalities	●	●	●	●
– Modality and examinatiion type	●	●	●	●
– All examinations of individual patient	●	●	●	●
- Selected examinations of individual patient	○	●	●	●
– Patient data anonymizable	●	●	●	●
Dose exposition for individual patients				
Evaluation per conversion factor	●	○	○	●
Monte-Carlo-Simulation	●	●	○	●
Per individual algorithm	●	○	○	●
Graphic dose presentation with body model	○	●	○	●
Effective dose and organ dose ICRP 103	●	●	○	●
Evaluation of all examinations from single patients / Effective dose and organ dose ICRP 103	●	●	○	●
Graphic presentation of analytical results				
Histogram	●	●	●	●
Individual graphic presentation	●	●	●	●
Templates / Template Library	●	●	●	●
Patient data can be anonymized	●	●	●	●
Templates for presentation				
Templates available	●	●	●	●
Individual templates	●	●	●	○
Individual templates for user groups	●	●	●	○
Multi-client templates	●	●	●	●
Templates can be shared	●	●	●	●
Alarms				
Threshold per examination	●	●	●	●
Threshold per modality	●	●	●	●
Alarms are adjustable	●	●	●	●
Alarm at client desktop	●	●	●	●
Alarm via email	●	●	●	●
Alarm via text message	●	●	○	○
Data export				
All results CSV	●	○	●	●
All results Excel	●	●	●	●
Seleced data sets CSV	●	○	●	●
Seleced data sets Excel	●	●	●	●
Exportable graphics	●	●	●	●
Exportable graphics in cache for other applications	●	○	○	●

Caption: ● function available ○ function not available or not applicable (n /a)

GE Healthcare	i-Solutions Health	Medigration	Siemens Healthineers	Company
DoseWatch	**RadCentre Dose View**	**Domako**	**teamplay**	**Product**
				Data analysis
				Examination protocol per
●	●	●	●	– Modality
●	●	●	●	– Modality Type
●	●	●	●	– Examination protocol and modality
●	●	●	●	– Reference value and modality
●	●	●	●	– Reference value and selected modalities
●	●	●	●	– Modality and examinatiion type
●	●	●	●	– All examinations of individual patient
●	●	●	●	- Selected examinations of individual patient
●	○	●	●	– Patient data anonymizable
				Dose exposition for individual patients
●	●	○	●	Evaluation per conversion factor
●	○	○	○	Monte-Carlo-Simulation
●	○	○	●	Per individual algorithm
●	○	○	○	Graphic dose presentation with body model
●	○	○	●	Effective dose and organ dose ICRP 103
●	○	○	○	Evaluation of all examinations from single patients / Effective dose and organ dose ICRP 103
				Graphic presentation of analytical results
●	●	●	●	Histogram
●	●	●	○	Individual graphic presentation
●	●	●	○	Templates / Template Library
●	○	●	●	Patient data can be anonymized
				Templates for presentation
●	●	●	●	Templates available
●	●	●	●	Individual templates
●	○	○	○	Individual templates for user groups
○	○	○	○	Multi-client templates
○	●	○	○	Templates can be shared
				Alarms
●	●	●	●	Threshold per examination
●	●	●	●	Threshold per modality
●	●	●	●	Alarms are adjustable
●	○	●	●	Alarm at client desktop
●	○	●	○	Alarm via email
●	○	○	○	Alarm via text message
				Data export
○	●	●	●	All results CSV
●	●	●	●	All results Excel
○	●	●	●	Seleced data sets CSV
●	●	●	●	Seleced data sets Excel
●	●	●	●	Exportable graphics
●	●	●	●	Exportable graphics in cache for other applications

Caption: ● function available ○ function not available or not applicable (n /a)

Magnetic Resonance Imaging

7 Tesla

3 Tesla

1.5 Tesla

Open

MR / Therapy Planning

MR-PET

MRT Coils

Accessories /
Complementary Systems

all**MRI**

BLOCK
IMAGING

Canon

febromed

GE Healthcare

HITACHI
Inspire the Next

Interflex®

LEONI

mindray

NORAS MRI
products

SIEMENS
Healthineers

STERNMED®
we make it possible

7 Tesla

Siemens Healthineers · Magnetom Terra

Gradient	Slewrate	Channels
80 mT / m[1]	200 T / m / s[1]	Up to 64 × 64

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- World's first 7T MRI scanner released for clinical use
- Dual Mode – secure switch between research and clinical operation
- 50 percent lighter 7T magnet technology for easier integration into clinical environments
- Double SNR for more precision
- XR 80/200 gradients; 8 channel parallel transmit functionality in research mode
- Submillimeter BOLD fMRI precision for pre-surgical evaluation
- Latest applications available with *syngo* MR E12 software
- Additional metabolic information with 23Na imaging and 31P spectroscopy

Canon · Vantage Galan 3T

Gradient	Slewrate	Channels
33 / 45 mT / m	200 mT / m / s	128

Highlights
- Patient friendly 71cm wide bore with 50 × 50 × 45 cm cylindrical scan area
- High resolution imaging in daily practice with PURERF and Saturn gradient technology
- EasyTech solutions for automated scan-planning and increased productivity
- Silent scanning with Pianissimo Zen sequences
- M-power intuitive graphical user interface
- Next generation scan techniques, MultiBand SPEEDER, Fast3D mVox, Olea Nova+ & free breathing examinations with Quickstar and k-t SPEEDER.

GE Healthcare · Signa Pioneer 3.0 T

Gradient	Slewrate	Channels
36 / 45 mT / m	150 / 200 T / m / s	65 / 97

Highlights
- New 3T wide bore MR with future oriented technologies in the areas of image quality, productivity, profitability and patient comfort
- High productivity with the Signa Works platform
- Latest technologies like ViosWorks 7D Flow, HyperSense / HyperBand acceleration technique
- Total digital imaging and ultra high efficient gradients (UHE) equivalent to 44/200
- Revolutionary AIR Technology with ultralight coils for brilliant image quality

3 Tesla

Block Imaging

Gradient	Slewrate	Channels
33 mT / m	120 T / m / s	8 / 16

Highlights
- We buy and sell used MRI systems
- Open and closed bore from 0.2T to 3T
- Excellent prices on the most popular models from all major manufacturers
- Consider upgrading your GE MRI without moving a wall: 16ch 23X, 8ch 23X, 16ch 16X, or 16ch 15X
- Professional project managers handle every detail of system deinstallation and installation
- Systems available from all modalities, including: Siemens, GE, and Hitachi
- Tested, warrantied spare parts available

GE Healthcare · Signa Architect 3.0 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	96 / 128

Highlights
- Premium 3.0T MRI with 70 cm wide bore, detachable table and total digital imaging
- Dedicated to high patient comfort and productivity with the latest Signa Works platform and new technologies like ViosWorks 7D Flow and HyperSense/HyperBand acceleration technique
- Revolutionary AIR Technology with ultralight coils for brilliant image quality

GE Healthcare · Signa Premier 3.0 T

Gradient	Slewrate	Channels
80 mT / m	200 T / m / s	146

Highlights
- Ultra-High end MRI with ultra strong SuperG Gradients, 70 cm wide bore, detachable table and total digital imaging
- Combines high performance with innovative coil technology
- Equipped with latest acceleration technique HyperSense / HyperBand, machine learning and cloud-based analytic tools
- The suitable system for research centers and customers with exceptional requirements
- Revolutionary AIR Technology with ultralight coils for brilliant image quality

3 Tesla

GE Healthcare · MRgFUS & Signa Architect 3.0 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	32 / 128

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results

GE Healthcare · MR Surgical Suite & Signa Architect 3.0 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	32 / 128

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery
- Includes all necessary additional equipment and offers the combination of a fully equiped Maquet OP table with a state-of-the-art MRI

RADBOOK 2019

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Siemens Healthineers · Magnetom Vida with BioMatrix

Gradient	Slewrate	Channels
Up to 60 mT / m[1]	200 T / m / s[1]	Up to 228 × 128

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- The first MRI scanner with BioMatrix technology with BioMatrix Sensors, Tuners, and Interfaces
- An all-new, 3T magnet with a large Field-of-View of $55 \times 55 \times 50\,cm^3$
- Up to 60 / 200 XT gradients – for up to 25 percent higher SNR for DWI
- Accelerate workflow beyond scan time reduction, enabling higher through-put and robustness in clinical routine with GO technologies
- Perform free-breathing liver dynamics and cardiac MRI with Compressed Sensing GRASP-VIBE and Compressed Sensing Cardiac Cine
- Reliable and predictable whole-body MRI exams – in just 25 minutes
- Up to 50 percent faster routine exams with Turbo Suite, Simultaneous Multi-Slice, and Compressed Sensing acceleration

Siemens Healthineers · Magnetom Lumina with BioMatrix

Gradient	Slewrate	Channels
36 mT / m[1]	200 T / m / s[1]	180 × 32

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- New 3T magnet with 70 cm Open Bore and large $55 \times 55 \times 50\,cm^3$ FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- New Turbo Suite acceleration pack-ages enable up to 50 percent* faster clinical routine examinations
- GO technologies powered by artificial intelligence boost patient throughput
- Innovision** – the revolutionary patient infotainment solution
- *syngo* Virtual Cockpit provides game-changing remote scanning support for standardized results across your MR system fleets

*Data on file
**Innovision is still under development and not yet commercially available. Its future availability cannot be guaranteed.

Siemens Healthineers · Magnetom Skyra

Gradient	Slewrate	Channels
45 mT / m[1]	200 T / m / s[1]	Up to 204 × 128

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore, quiet exams, and short system design
- Up to 50 percent higher productivity with Tim 4G and Dot*
- Increased patient comfort with soft and light-weight Contour Coils
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Latest applications available with *syngo* MR E11 software

* Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK

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and technical maintenance since 2005.

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3 Tesla

Siemens Healthineers · Magnetom Prisma

Gradient	Slewrate	Channels
80 mT / m[1]	200 T / m / s[1]	Up to 204 × 128

Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- A unique MR design driving innovation in research applications
- Unique scannner technology in one package: benchmark 3T magnet homogeneity; highest gradient amplitude and performance with XR 80 / 200 gradients; advanced parallel transmit technology for zoomed imaging and ultra-high coil element density with Tim 4G designed for maximum SNR and extreme iPAT performance
- Driving the largest and most active MRI research network
- Latest applications available with *syngo* MR E11 software

Siemens Healthineers · Magnetom Spectra

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	120 × 24

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Outstanding image quality and speed with Tim 4G technology
- Excellent usability and image consistency with DotGO and Dot Cockpit
- Comfortable and easy patient setup with SlideConnect & DirectConnect
- Low operating cost through low power consumption and Zero Helium boil off
- Fast break-even due to unmatched financial performance
- Latest applications available with *syngo* MR E11 software

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1.5 Tesla

Canon · Vantage Orian 1.5 T

Gradient	Slewrate	Channels
34 / 45 mT / m	155 / 200 mT / m / s	128

Highlights
- Patient friendly 71cm wide bore with 55 × 55 × 50 cm spherical scan area
- High resolution imaging in daily practice with PURERF and Saturn gradient technology
- EasyTech solutions for automated scan-planning and increased productivity
- Silent scanning with Pianissimo Zen sequences
- M-power intuitive graphical user interface
- Next generation scan techniques, MultiBand SPEEDER, Fast3D mVox, Olea Nova+ & free breathing examinations with Quickstar and k-t SPEEDER.

Canon · Vantage Elan

Gradient	Slewrate	Channels
33 mT / m	125 mT / m / s	64

Highlights
- Patient friendly 63 cm open bore with 55 × 55 × 50 cm spherical scan area
- Pianissimo Σ , acoustic noise reduction system
- Low couchtop of 45 cm for easy patient access
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Intuitive M-Power graphical user interface
- Increased productivity with Computed MRI by Olea Nova+
- Integrated cooling cabinet

GE Healthcare · Signa Artist 1.5 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	96 / 128

Highlights
- High end 1.5 T MRI System with 70 cm bore, detachable table and total digital imaging
- Dedicated to patient comfort and productivity with the new Signa Works platform and new technologies such as ViosWorks 7D Flow and HyperSense / HyperBand acceleration technique
- AIR Technology Ready

GE Healthcare · Signa Voyager 1.5 T

Gradient	Slewrate	Channels
36/45 mT/m	150/200 T/m/s	33/49/65

Highlights
- New 1.5T MRI with 70 cm wide bore and future oriented technologies in the fields of imaging quality, productivity, energy efficiency and patient comfort
- High productivity thanks to Signa Works platform with SilentScan and MAGiC technology for the acquisition of up to eight image contrasts in one scan
- Compatible with acceleration technologies HyperSense and HyperBand
- Total Digital Imaging and ultra-high efficient UHE gradients equivalent to 44/200

GE Healthcare · Signa Explorer 1.5 T

Gradient	Slewrate	Channels
33 mT/m	120 T/m/s	16

Highlights
- Reliable clinical results as well as high productivity and profitability
- High productivity thanks to latest Signa Works platform with SilentScan and MAGiC
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology and 16-channel flex coils
- Digital OpTix RF-technolgy

GE Healthcare · Signa Creator 1.5 T

Gradient	Slewrate	Channels
33 mT/m	120 T/m/s	8

Highlights
- Reliable clinical results as well as high productivity and profitability
- High productivity thanks to latest Signa Works platform
- Digital OpTix RF-technolgy
- MAVRIC SL enables advanced visualization of soft tissues and bone near MR conditional metallic devices
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology

GE Healthcare · MRgFUS & Signa Artist 1.5 T

Gradient	Slewrate	Channels
33 T/m	120 T/m/s	32

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultra-sound (ExAblate) with MRI imaging
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results

GE Healthcare · MR Surgical Suite & Signa Artist 1.5 T

Gradient	Slewrate	Channels
33/44 mT/m	120/150 T/m/s	32/128

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery
- Includes all necessary additional equipment and offers the combination of a fully equipped Maquet OP table with a state-of-the-art MRI

Hitachi · Echelon Smart Plus

Gradient	Slewrate	Channels
33 mT/m	130 T/m/s	16

Highlights
- New Signal Processing Platform with Iterative Reconstruction reducing the routine scan time by 30 percent in total.
- SynergyDrive optimizes the workflow with Hitachi's "AI" technology (Auto-Pose, AutoExam, AutoMIPclipping)
- SoftSoundSuite to reach more than 80 percent noise reduction

1.5 Tesla

Hitachi · Echelon Smart

Gradient	Slewrate	Channels
33 mT / m	130 T / m / s	16

Highlights
- "SmartQuality for superb clinical images and sophisticated applications
- "SmartSpeed" for reduced examination time
- "SmartCOMFORT" for an extraordinary quiet patient experience
- "SmartECO" for low running costs
- "SmartSpace" to offer the smallest possible installation footprint
- Field strength: 1.5 T

Siemens Healthineers · Magnetom Sola with BioMatrix

Gradient	Slewrate	Channels
Up to 45 mT / m[1]	Up to 200 T / m / s[1]	Up to 204 × 64

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- First 1.5T BioMatrix system, 70 cm Open Bore, and large 50 × 50 × 50 cm³ FoV
- New BioMatrix Sensors for increased consistency – capturing respiratory, cardiac**, and head motion***
- Expanded BioMatrix Tuners for excellent homogeneity – adapting to challenging body regions
- Enriched BioMatrix Interfaces to ease patient preparation – enabling 30 percent faster patient positioning*
- Up to 50 percent* faster routine exams with Simultaneous Multi-Slice and Compressed Sensing acceleration

** Data on file, results may vary. ** Cardiac Triggering is still under development and not commercially available yet. Its future availability cannot be ensured. *** With MAGNETOM Sola the motion correction framework and all associated sequences are still under development and not commercially available yet. Its future availability cannot be ensured.*

Siemens Healthineers · Magnetom Altea with BioMatrix

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	180 × 32

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- New 1.5T magnet, 70 cm Open Bore, and large 50 × 50 × 50 cm³ FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- New Turbo Suite acceleration packages enable up to 50 percent* faster clinical routine examinations
- GO technologies powered by artificial intelligence boost patient throughput
- Innovision** – the revolutionary patient infotainment solution
- *syngo* Virtual Cockpit provides game-changing remote scanning support for standardized results across your MR system fleets

*Data on file
**Innovision is still under development and not yet commercially available. Its future availability cannot be guaranteed

Siemens Healthineers · Magnetom Aera

Gradient	Slewrate	Channels
45 mT / m[1]	200 T / m / s[1]	Up to 204 × 64

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore in combination with ultra-short system design (145 cm cover to cover)
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Up to 50 percent higher productivity with Tim 4G and Dot
- Latest applications available with *syngo* MR E11 software such as Compressed Sensing Cardiac Cine, GOBrain, GOBrain+, Implant Suite, and many more

* Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK

Siemens Healthineers · Magnetom Amira with BioMatrix*

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	Up to 96 × 24

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Unique BioMatrix technology automatically adjusts to patient biovariability
- Boost productivity with Turbo Suite, Simultaneous Multi-Slice, and GO applications
- Increased patient access to advanced MRI exams with free-breathing exams
- GO technologies powered by artificial intelligence boost patient throughput
- Save energy consumption with Eco-Power
- Increased consistency and workflow acceleration with DotGO and GO technologies

*510(k) pending

Siemens Healthineers · Magnetom Amira

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	96 × 16

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- Right timing and motion insensitive techniques for liver exams with FREEZEit
- 10-min exams with best-practice-based protocols
- Up to 30 percent energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and DotGO
- Maximizing return due to minimized siting requirements and costs
- Latest applications available with *syngo* MR XA12 software such as Compressed Sensing, SMS, and many more

Siemens Healthineers · Magnetom Sempra

Gradient	Slewrate	Channels
30 mT/m[1]	100 T/m/s[1]	Up to 96 × 16

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- 10-min exams with best-practice-based protocols
- Up to 30 percent energy savings in standby mode with Eco-Power
- Increased throughput and consistency with Brain, Spine and Large Joint Dot engines
- More patient comfort with ultra-light-weight Tim 4G coils and Quiet Suite
- Expand clinical offerings with advanced trendsetting applications
- Latest applications available with *syngo* MR XA12 software such as Compressed Sensing, SMS, and many more
- Increased consistency and workflow acceleration with DotGO and GO technologies

Siemens Healthineers · Magnetom Sola Cardiovascular Edition

Gradient	Slewrate	Channels
45 mT/m[1]	200 T/m/s[1]	204 × 64

1 Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- A dedicated MRI scanner designed to meet the demands of cardiovascular examinations
- Free-breathing CMR exams with Compressed Sensing Cardiac Cine for functional imaging even for patients with arrhythmias or those who cannot hold their breath.
- Tissue characterization with Myo-Maps and HeartFreeze for differential diagnosis of myocardial injury
- Consistent results, fast with BioMatrix Sensors and the AI-powered Cardiac Dot Engine for fast patient setup and step-by-step guidance for CMR exams in as little as 30 minutes*

* Data on file, results may vary

SternMed · Marcom 1.5T

Gradient	Slewrate	Channels
40 mT/m	150 T/m/s	16

Highlights
- Short cavity magnet with zero helium consumption
- Fully digitalized multi-channel spectrometer
- Multi-channel PA RF receiving coil with intelligent identification,
- Image reconstruction speed 1,500 fps
- Maximum gradient field and slew rate reached at the same time
- Parallel acquisition technology platform
- Compact magnet design, minimum installation space: 35 m²

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Open

Hitachi · Oasis

Gradient	Slewrate	Channels
33 mT/m	100 T/m/s	8

Highlights
- World's most powerful open MRI
- Vertical field superconductive magnet for high SNR
- 270° panoramic view, accommodates claustrophobic, paediatric, obese patients
- Fully motorized extra wide 82 cm patient table (up to 300 kg)
- Two-pillar asymmetric design
- Soft Sound Technology
- Multiple coil connectors with Zenith solenoid element based, highly sensitive receiver coils
- Field strength: 1.2 T

Hitachi · Aperto Lucent O5

Gradient	Slewrate	Channels
25 mT/m	55 T/m/s	2

Highlights
- Wide, 320 degrees open permanent MRI system
- Features top field strength amongst the permanent MRI systems presently on the market
- Newly developed built-in technologies keep Aperto Lucent delivering image quality comparable with entry level HF MRI scanner
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment
- Field strength: 0.4 T

Open

Hitachi · Airis Vento O5

Gradient	Slewrate	Channels
22 mT / m	55 T / m / s	2

Highlights
- Comfort class permanent open MRI system, which keeps enhanced capabilities meeting sophisticated open design
- Offers newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Low running costs allowing fast return of investment
- Field strength: 0.3 T

Hitachi · Airis Light

Gradient	Slewrate	Channels
22 mT / m	55 T / m / s	1

Highlights
Airis Light – the economic, compact and wide open MR solution
- The open system architecture gives not only a feeling of security but also has considerable merits when taking care of small children and elderly patients
- The floating table allows to fit the system into small spaces while giving the possibility of placing the patient always in the centre to achieve high image
- Newly developed built-in technologies give you high performances in a small footprint system
- Field strength: 0.25 T

Mindray Medical · MagSense 360 MRI System

Gradient	Slewrate	Channels
25 mT / m	60 T / m / s	2

Highlights
- Innovative InScan Technology
- Advanced Gradient system Design
- Ergonomic Design make you more comfortable
- Multi-clinical Applications satisfied doctors requirement
- Multiple coils selection make all examination reality

Siemens Healthineers · Magnetom RT Pro edition

Gradient	Slewrate	Channels
–	–	–

Highlights
- Support precision in radiotherapy with Magnetom Aera, Skyra, Sola, or Vida and trendsetting applications such as RESOLVE, StarVIBE or Compressed Sensing GRASP-VIBE
- Scan patients consistently in the treatment position with dedicated RT positioning equipment (CIVCO, Orfit, Qfix), an MR compatible laser bridge (LAP), and a large variety of flexible coils
- Rely on intuitive and dedicated RT workflows with the RT Dot Engine and the RT Image Suite
- Enable an MR-only RT planning workflow with the RT Dot Engine and RT Image Suite's Synthetic CT feature

MR-PET

GE Healthcare · Signa PET / MR 3.0 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	32 / 128

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0 T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters

Siemens Healthineers · Biograph mMR

Gradient	Slewrate	Channels
45 mT / m[1]	200 T / m / s[1]	Up to 102×32

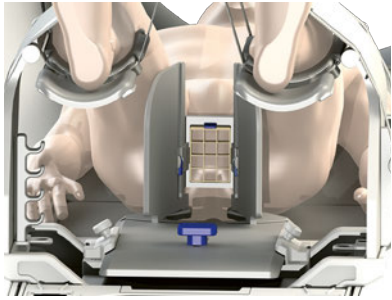[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights
- Largest customer base of installed MR-PET systems worldwide
- State-of-the-art 3T MRI with 2nd order shim
- Comprehensive set of surface coils available for full range of MR-only exams
- Not only simultaneous, but synergistic MR-PET: MR-based motion compensation of PET images
- Whole-body MR-based PET attenuation correction including major bones
- Up to 10 bed positions with MR-PET
- Latest applications available with *syngo* MR E11 software

MRT Coils

Noras · Uni-Lift Prostate Intervention Device

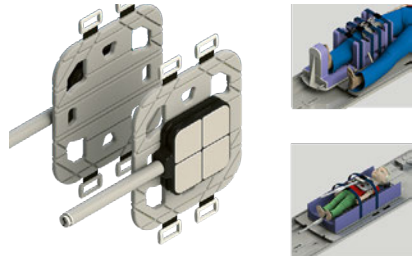| Field strength	Channels	System platform
–	–*	70 cm Bore MR Systems

Highlights
- Comfortable patient positioning in supine position
- Optimal utilization of the patient space in 70 cm Bore MR Systems
- Transperineal access to the prostate
- MR-guided biopsy and therapy
- Focal biopsy and therapy instead of "blind" biopsy

*Compatible with standard MR coil portfolio

Noras · Variety 16-Channel Multipurpose Coil

Field strength	Channels	System platform
1.5 / 3 T	16 (2 × 8)	Siemens
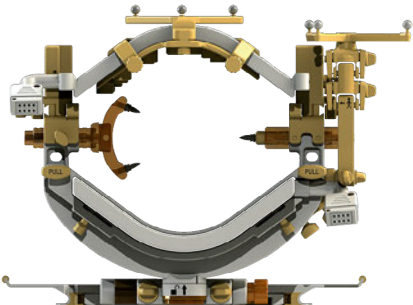
Highlights
- Application for diagnosis in orthopedics, pediatrics and veterinary medicine
- High signal quality based on a design with 8+8 array elements with high coil element density
- High resolution examinations of even small body regions with reduced scan times
- Slim design and optional dedicated positioning aids enable coil placement close to anatomy of interest

Noras · OR Head Holder Lucy

Field strength	Channels	System platform
1.5 / 3 T	8	Siemens
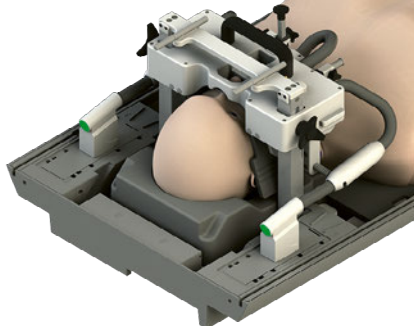
Highlights
- MR and X-ray compatible for multi-modal applications
- Excellent image quality and homogeneity
- Three-point fixation with integrated force indicator
- Removable and height adjustable lower coil
- Excellent access to the field of intervention
- Brainlab AIR Support

Noras · Mandibula 15-Channel Dental Coil

Field strength	Channels	System platform
3 T	15	Siemens

Highlights
- High resolution dedicated MR imaging in dental area
- Easy to position and adjustable for each patient
- Excellent patient comfortability
- Reduced scan times with higher image quality
- Optional mirror attachable for claustrophobic patients

Noras · Uni-Belt 16-Channel Diagnostics and Intervention Coil *

Field strength	Channels	System platform
1.5 T	16	Siemens

Highlights
- Allows MR imaging and MR-guided interventions of the prostate and other internal organs (liver, kidney, etc.)
- High signal quality based on the complete covering of elements
- High flexibility of the coil Optimal penetration depth to the body center
- Also designed for corpulent patients

*in development

Accessories / Complementary Systems

allMRI GmbH · MRI vacuum immobilisation for head coils

Highlights
- MRI vacuum mat for MRI head coils
- No movement, no repeat scans, optimal first time images
- Quick and easy patient positioning, rapid fixation
- Increased patient comfort, increased throughput
- Ease of use for the technologist. Rapid pay-back, increased ROI

allMRI GmbH · MRI wheelchair – foldable

Highlights
MRI safe foldable wheelchair entirely made of 100 percent thermoplastic, including the ball bearing, two swing out adjustable footrests and armrests, also solid rubber tires

allMRI GmbH · MRI anaesthesia trolley with syringe dispensers

Highlights
- Five drawers for personal protective equipment
- Five-fold boxes each, Two side supports, One gloves box holder.
- Drawer each 60 × 40 cm (w × d)
- Total dimensions 64 × 48 × 98 cm (w × d × h) (surface)
- Available front colors yellow, red, green, blue, white and lilac

allMRI GmbH · MRI wheeled waste bin – 90 liters

Highlights
- Dimensions 52 × 48 × 93 cm (w × d × h)
- Lid opens by pedal
- Available with different lid colors like white, red, blue, yellow and green
- Completely made of polypropylene, shock-resistant, ergonomic handle, non-marking wheels, easy to clean, compliant H.A.C.C.P

Febromed · Get Up

For your patients:
- independent moving
- safe support in any position
- safe motion for seniors and disabled people

For your staff:
- ergonomic working
- reduced physical workload
- fast changing oft he sling

For your facility:
- various combination with existing systems
- small space requirement
- mounting on wall, floor or ceilin on customer request

Interflex · Intercabin

Highlights
Interflex's flagship product, the Intercabin, is an RF (radio frequency) shielding cabinet comprising individual modules for use with magnetic resonance imaging devices in the field of medicine. It is made from galvanised steel sheet and/or aluminium and consists of a self-supporting, modular room construction with canted floor, wall and ceiling modules that are bolted together.

- Flagship solution for the turnkey market
- Grid dimensions 100 mm (wall, floor, ceiling)
- Delivery time from four weeks
- Available with interior fittings, turnkey ready
- Sizes freely selectable
- Layouts freely selectable

Stand-alone magnetic-resonance-imaging

Intercube means flexibility

Imagine being able to install a new MRI anywhere with almost no external restrictions.

Based in Ulm, Germany, Interflex Medizintechnik GmbH has supplied systems for Faraday cages and exclusive MRI interiors since 2005. In addition, all MRI-providers have relied on the international experience of this firm. "The Intercabin shielding room ensures the operating reliability of modern MRI-systems. In addition to maximum operating convenience and functionality, we focus on a comfortable patient environment," the manufacturer confirms.

"Intercube is the best choice for temporary installations of magnetic resonance tomographs," the Interflex points out. "The device includes Intercabin, a high-frequency system state-of-the-art module."

The company reports that the stand-alone solution with turn-key installation is a solution that "… contains not only elementary requirements to install and run MRI-systems, but also convinces with an attractive architecture and design. Separated functional areas for the radiological examination, changing room, equipment and operation have been integrated."

What's offered is a complete turnkey service for the Intercube, and this includes air conditioning and electrical engineering for the MRI and rooms. Intercube is made up of a minimum two interconnected room modules made of galvanised steel profiles. Doors, daylight or skylight windows can be included into the facade or roof, or the room modules can be connected to existing building structures.

Thermally insulated walls, floors and ceiling elements ensure safe year-round use. The customer can individually design and equip the integrated Intercabin high-frequency system to provide all necessary functional as well as aesthetical elements. The company also emphasises that Intercube reduces the space requirements to suit the maximum functional aspects of an MRI.

Interflex Medizintechnik GmbH

The company from Ulm, Germany is a system-supplier for Faraday cages and exclusive interior for MRI use since 2005. For many years all MRI-providers rely on the international experience of Interflex.

The Intercabin shielding room ensures the operating reliability of modern magnetic resonance imaging systems. In addition to a maximum operating convenience and functionality, we focus on a comfortable patient environment.

www.interflex-ulm.de

Accessories / Complementary Systems
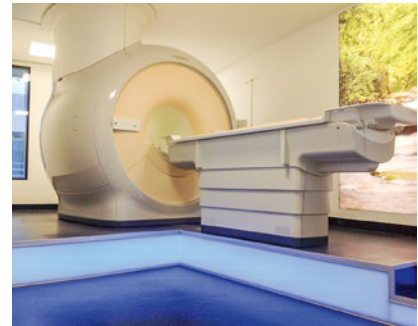
Interflex · Intercabin Cargo
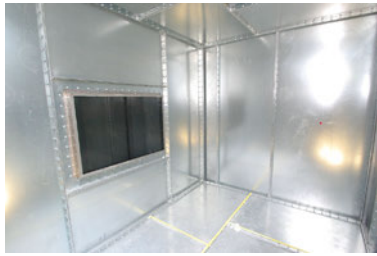
Highlights

The Intercabin Cargo is an RF (radio frequency) shielding cabinet comprising individual modules for use with magnetic resonance imaging devices in the medical field. It is made from galvanised steel sheet and / or aluminium and consists of a self-supporting, modular room construction with canted floor, wall and ceiling modules that are bolted together.

- Grid dimensions 100 mm (wall, floor, ceiling)
- For self-assembly only
- Detailed description available, multilingual
- Supervisor available on request
- Small packing size
- Available with or without interior fittings

Interflex · Intercabin Fit

Highlights

With the Intercabin Fit, any existing RF cabin (regardless of cabin manufacturer) can be adapted to its new task. This includes a replacement of the magnet with one from a different manufacturer or simply an upgrade or exchange for a newer model from the same manufacturer.

- Interflex adapts the system to all manufacturers of RF cabins (worldwide)
- Comprises not only new individual modules but also existing modules in other materials (e.g. copper, stainless steel, aluminium) or alternative versions
- Adaptation of the full interior fittings
- Installation of new systems such as RF doors or windows, filters, etc.

Interflex · Intercabin One

Highlights

Intercabin One is an RF (radio frequency) shielding cabinet comprising individual modules for use with magnetic resonance imaging devices in the medical field. It is made from galvanised steel sheet and/or aluminium and consists of a self-supporting, modular room construction with canted floor, wall and ceiling modules that are bolted together. With this system, the expense factor takes very clear precedence.

- This cabin is functional and features standard interior fittings
- Grid dimensions 100 mm (wall, floor, ceiling)
- Small packing size
- Quick delivery time
- Very low cost
- Available only with standard interior

Interflex · Intercabin Used

Highlights

Intercabin Used is a pre-owned RF (radio frequency) shielding cabinet comprising individual modules for use with magnetic resonance imaging devices in the medical field. It is made from galvanised steel sheet and/or aluminium and consists of a self-supporting, modular room construction with canted floor, wall and ceiling modules that are bolted together.

- Pre-owned and reconditioned
- Modular system as described above, meaning that the sizes of new parts are freely selectable

Interflex · HF sliding doors

Highlights

- Slide HF door DIN left or DIN right
- Clear passage up to 2,500 × 2,500 mm
- integrated sound insulation (50 dB)
- Sealing system with contact springs made of foam sealing profiles encased in stainless steel
- No closing forces required, as the fully automatic concept opens and closes the door leaf fully automatically
- Ground sill is flat, barrier-free
- Avoidance of danger of crushing due to sophisticated sensors Technology
- Door handle in stainless steel, (push bar over entire door leaf height)
- Electrically operated, the HF sliding door lifts up and slides gently and almost silently to the side

Leoni · Cable Systems

Highlights

Leoni cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. Leoni provides wiring services for MRTs and can collaborate in the development phase. As a systems supplier, Leoni provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, Leoni offers individual and system verification testing, as well as customer-specific logistics solutions.

Injectors

BRACCO INJENEERING

Guerbet | Contrast for Life

MED TRON AG

Bracco · CT Exprès

Application	Pressure	FlowRate
CT	9.1 bar	0.5 – 9.9 ml/s *

Highlights
- Syringeless injector
- Direct injection from contrast media bottles
- Air and occlusion detection on fluid channels
- Unidirectional flow of fluid
- Locking and automatic filling
- Digital interface, dual touch screens
- DiluJect (optional): contrast media and saline are injected in rapidly alternating flow through the injector
- Day Set III *HP* designed for 24 hours
- Pre-warmed contrast media maintained at 37 °C

* in steps of of 0.1 ml/s

Bracco · EmpowerCTA+

Application	Pressure	FlowRate
CT	40 – 325 psi	0.1 – 10.0 ml/s *

Highlights
- Syringe: 200 ml (CM), 200 ml (NaCl)
- Tilt sensor / lockout
- Arming at the injector
- Independently rotating and very compact injector head (270 degrees)
- Integrated electroluminescent display
- Modular flexibility of components and WINDOWS based software allow optimal serviceability and enhanced expandability
- Touch-screen color LCD display and intuitive software

* 0.1-10.0ml/s in user-specified increments of 0.1 ml/s

Bracco · EmpowerMR

Application	Pressure	FlowRate
MR	40 – 300 psi	0.1 – 10.0 ml/s *

Highlights
- Syringe: 100 ml (CM), 100 ml (NaCl)
- Hydraulic injector system
- MRI compatible through the use of polymers and non-ferromagnetic metals
- Little contrast media waste due to the very short distance between injector head and patient
- Very lightweight injector head
- No active components in the shielded room (no battery)

* 0.1-10.0ml/s in user-specified increments of 0.1 ml/s

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Guerbet · FlowSens

Application	Pressure	FlowRate
CT	21 bar	0.3 – 10 ml/s

Highlights
Syringeless CT Contrast Delivery System
- Advanced touchscreen interface
- Only few seconds between patients
- 12H manyFlow (closed pre-connected day set)
- Secufill patient line (scientific study on demand)
- All available media containers
- Check-valves (no backflow)
- 4 Air sensors
- Temperature maintenance
- Pressure monitoring: graphical and numerical
- Simultaneous Injection (optional): 20 – 80 %
- Vein test
- Loading, Filling & Priming: Automatic
- Configurations: Pedestal & Ceiling
- Connectivity with Contrast&Care (optional)

Guerbet · OptiStar Elite

Application	Pressure	FlowRate
MR	10.3 / 13.8 bar*	0.1 – 10 ml/s / 0.1 – 8 ml/s*

Highlights
MR Contrast Delivery System
- Compatible with pre-filled syringes & vials
- Battery free & 3T certified
- One click loading
- Auto-retract rams
- Powerhead keys
- Console enable
- Timing Bolus
- Colour touchscreen
- Vein test (Patency check)
- Variable drip mode
- Automatic pressure control
- Connectivity with Contrast&Care (optional)

* dependent on type of syringe

Guerbet · OptiOne

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml/s

Highlights
Single Head CT Contrast Delivery System
• Compatible with prefilled syringes & vials
• Scan Delay, Phase Delay, Auto-fill, Auto purge
• Timing Bolus, Inject Delay
• Fully Programmable touchscreen powerhead
• Scanner relay interface as standard
• OptiBolus bolus shaping software extends the window of imaging opportunity
• Configurations: Pedestal and ceiling mount

• Loading, Filling & Priming: Automatic / Manual
• Heater : 37° ± 3°
• Connectivity with Contrast&Care (optional)

Guerbet · OptiVantage multi-use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights
Dual Head CT Contrast Delivery System
Uncompromised efficiency & patient safety
• Newly designed interface software
• All in one preconnected dayset, with closed system, air & particles filters
• Secufill patient line with double safety valve
• Only a few seconds preparation between patients
• Certified syringes & manyFill dayset
• Countdown timer to alert you of compliancy with hygiene regulations
• Safe with Patency Check, Tilt Enable, Timing Bolus and Simultaneous Injection features

• Automatic operations (filling, priming)
• Scanner interface to CAN Open Class 4*
• OptiBolus bolus shaping software
• Connectivity with Contrast&Care (optional)

dependent on scanner manufacturer

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Guerbet · Illumena Neo

Application	Pressure	FlowRate
CT / Angio / Cardio	5.2 – 82.7 bar[1] / 5.2 – 21 bar[2]	0.1 – 40 ml / s[1] / 0.1 – 10 ml / s[2]

Highlights

Multi-Mode Contrast Delivery System
- High visibility screen
- One finger operation fill bar
- Single or multi-injection procedures
- Switch between operating modes
- Hand switch and foot switches available
- Air Detection Aid & Warning System (ADAWS) identifies blood, empty syringes and air bolus
- Configurations: Pedestal, Ceiling or Table Mount
- Heater: 37° ± 3°
- Connectivity with Contrast&Care (optional)

[1] Angio mode / [2] CT mode

Guerbet · OptiVantage single use

Application	Pressure	FlowRate
CT	22.4 bar	0.1 – 10 ml / s

Highlights

Dual Head CT Contrast Deliverry Sytem
- Scan Delay, Phase Delay, Auto-fill, Auto purge
- Timing Bolus, Inject Delay, Patency check
- Fully Programmable touchscreen powerhead
- Scanner interface to CAN Open Class 4*
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount options
- Loading, Filling & Priming: Automatic / Manual
- Simultaneous Injection: 10 % – 90 % (5 % steps)
- Heater: 37° ± 3°
- Connectivity with Contrast&Care (optional)

dependent on scanner manufacturer

Medtron AG · Accutron CT

Application	Pressure	FlowRate
CT	21 bar	0.1 – 10 ml / s

Highlights
- Wireless injector unit, rechargeable batteries
- Integrated heated syringe holder with Easy Loading Syringe (ELS) 200 ml
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Secured injection position (built-in sensor)
- Aluminium housing
- Use of prefilled syringes (as an option)
- Capacity: 200 ml
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

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Medtron AG · Accutron CT-D

Application	Pressure	FlowRate
CT	21 bar	0.1 – 10 ml / s

Highlights
- Wireless injector unit with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Wireless touchscreen remote control
- Use of prefilled syringes (as an option)
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing – wall or ceiling suspension
- CANopen Interface (as an option)
- Capacity: 200 ml (CM), 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

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Medtron AG · Accutron HP

Application	Pressure	FlowRate
CT	83 bar[1] / 21 bar[2]	0.1 – 30 ml / s[1] / 0.1 – 10 ml / s[2]

Highlights
- Fast high-pressure injections for angiography and multiphase injection profiles for CT
- Wireless injector unit with rechargeable batteries
- Wireless touchscreen remote control (option)
- Wall or ceiling suspension system
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be stored (60 angio / 60 CT)
- Aluminium housing – Interface (option)
- Capacity: 200 ml
- Syringe: Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valve

[1] Angio mode / [2] CT mode

Medtron AG · Accutron HP-D

Application	Pressure	FlowRate
CT	83 bar[1] / 21 bar[2]	0.1 – 30 ml / s[1] / 0.1 – 10 ml / s[2]

Highlights
- The perfect companion for your advanced imaging procedures
- Designed for C-Arm Cone Beam CT sequences
- Optimized for Flat Detector CT imaging
- Improved venous explorations
- Stay mobile
- Capacity: 200 ml (CM), 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valve

[1] Angio mode / [2] CT mode

Medtron AG · Accutron MR

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml

Highlights
- Wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to six phases – secured injection position
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Injection parameter monitoring
- Now with two remote controls
- Capacity: 64 ml or 200 ml (CM), 64 ml or 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Medtron AG · Accutron MR3

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml / s[1] / 000.1 – 30 ml / s[2]

Highlights
- Contrast medium injector with integrated infusion pump
- Infusion of medication even during the MR-examination
- MPRO Assist (MEDTRON ProfilAssistent) simplifies dose calculation for CARDIAC STRESS MR-exams
- Extended compatibility with contrast pre-filled syringes
- Memory of the last 40 injections
- Capacity: 64 ml (CM), 200 ml (NaCL), 50 ml (Infusion pump)
- Automatic or manual filling, filling speed 1 – 4 ml / s, optimized tube systems with check valve

[1] CM/NaCl / [2] Infusion pump

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Accessories / Complementary Systems

Bracco · Nexo [Dose]
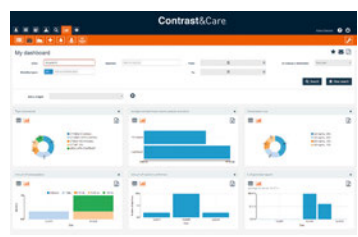
Highlights
- Nexo [DOSE] supports compliance with imminent European Directive (2013 / 59 / EURATOM)
- Single-server, fully automated system enables enterprise-wide data acquisition
- Multi-modality, vendor-neutral software minimizes installation time and costs
- Customized e-mail alerts help improve control and implement the ALARA* principle
- Global Dose Registry for study dose comparison

* ALARA (as low as reasonably achievable)

Guerbet · Contrast&Care

Highlights
Contrast&Care is a unique web based solution dedicated to contrast media management.
It connects to compatible power injectors and to the IT environment (HIS, RIS, PACS…) and collects injection data, adverse events information, injector activity, estimated glomerular filtration rate (eGFR) and risk factors. Contrast&Care proposes a module to review the protocols before the exam, and presents the history of injections delivered to the patient with details of each procedures, adverse events, warnings and alerts if any. After the exam, Contrast&Care generates a report which includes, among other information, product data, injection phases, pressure and flowrate. Contrast&Care also provides, as an option, a set of tools to analyze the injection activity and to manage contrast media recalls conveniently.

Interventional Systems

Multi Modality Suites

Bi-Plane

Single Plane

Surgical Flat Panel C-Arms

Surgical II-C-Arms

Accessories /
Complementary Systems

BLOCK IMAGING

Canon

Canon
CANON ELECTRON TUBES & DEVICES CO., LTD.

DUNLEE

GE Healthcare

DMS IMAGING

GMMGROUP

HOLOGIC®
The Science of Sure

INTERMEDICAL

Medtronic
Further, Together

IAE

SHIMADZU
Excellence in Science

PrimaX
international

STEPHANIX
MEDICAL IMAGING SOLUTIONS

SIEMENS
Healthineers

STERNMED®
we make it possible

VILLA

TECHNIX

ziehm imaging

Multi Modality Suites

Canon · Alphenix 4D CT

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

This integrated system combines premium CT and ceiling-mounted angiography technology. The perfect diagnostic and treatment set-up for high-risk procedures in various interventional segments such as:
• Interventional Oncology

• Trauma / Neuro / Stroke
• General Vascular
• Additional or Backup CT
• Detector size: 30 × 30 cm / 30 × 40 cm
The system is available with two different CT configurations: Aquilion One Genesis and Aquilion Prime

Siemens Healthineers · nexaris Angio-CT

Power	Detector	Pixel size
100 kW	a-Si / CsI	160 µm

Highlights
• First hybrid suite with a common coordinate system that fuses images instantly
• Direct access to angio and CT with Quick Switching
• Efficient multi-room configurations to share imaging equipment
• Enabling combined CT and angio guidance in one session

Siemens Healthineers · nexaris Angio-MR-CT

Power	Detector	Pixel size
100 kW	a-Si / CsI	160 µm

Highlights
• Unprecedented imaging capabilities with all the advantages of angiography, MR, and CT imaging
• Patient transfer without repositioning for barrier-free intraoperative imaging
• Innovative treatments that combine multiple imaging modalities in a single procedure

Bi-Plane

Canon · Alphenix Biplane

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardio intervention demands speed, precision, and optimum performance. The Alphenix Biplane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.
• Detector size: 20 × 20 cm

Canon · Alphenix Dual Plane

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights
• A single room X-ray solution with two C-Arms both with dedicated imaging chains for interventional cardiac and angiography procedures that share a common generator, table, monitors and digital acquisition system.

Designed for both diagnostic and interventional examinations.
• Space, time and dose saving technology are key design elements of the Alphenix Dual Plane.
• Detector size: 20 × 20 cm / 30 × 40 cm

Canon · Alphenix Biplane

Power	Detector	Pixel size
100 kW	CMOS /a-Si / CsI	76 / 194 µm

Highlights

Vascular intervention demands speed, precision, and optimum performance. The Alphenix Biplane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your require- ment for high image quality, safety, ease of use, efficiency and improved workflow.
• Detector size: 30 × 30 cm / 30 × 40 cm

Bi-Plane

GE Healthcare · Innova IGS 630

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights
- Optimal detector size for dedicated neuro applications
- Innova CT HD, enhanced 3D imaging
- High detector DQE and AutoEx for dose optimization
- Advanced 3D guiding technology
- Integrated large display monitor
- Detector size: 30 x 30 cm (frontal/lateral)

GE Healthcare · Innova IGS 620

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights
- Smart gantry for optimal C-Arm positioning
- High detector DQE and AutoEx for dose optimization
- Complete integration of intra-vascular-ultrasound, FFR
- InnovaSense patient contouring
- Integrated large display monitor
- Detector size: 20 x 20 cm (frontal/lateral)

Shimadzu · Trinias B12 / B8 unity edition

Power	Detector	Pixel size
2 × 100 kW	a-Si / CsI	194 µm

Highlights
- Detector size: 12" × 12" (30 × 30 cm) / 8" × 8" (20 × 20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights
Biplane system for interventional imaging. The Artis biplane system offers high performance in interventional imaging combined with high positioning flexibility.
- Left-side biplane imaging position for free head access
- Single plane operation with extended position flexibility enabled by rotated table
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s

Single Plane

Block Imaging

Power	Detector	Pixel size
100 kW	a-Si / CsI	–

Highlights
Offering systems from all major manufacturers
- We buy and sell used interventional labs
- Give your equipment a second chance at life
- Professional project managers handle every detail of system deinstallation and installation
- Systems available from Siemens, GE, Philips, Toshiba, and more
- Recover true value of your trade-in

Canon · Alphenix Hybrid

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights
The combination of the Alphenix ceiling mounted C-Arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures. Its flexibly designed ceiling rail system allows perfect patient access in any situation.
- Detector size: 30 × 40 cm / 30 × 30 cm / 20 × 20 cm

Canon · Alphenix Hybrid+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

The combination of the Alphenix ceiling mounted C-Arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures.
With its unique double sliding C-Arm the Alphenix Hybrid+ provides ultrafast whole body 3D coverage, free head access and a unique lateral C-Arm stroke for better ergonomics, improved productivity and stunning 3D images from head to toe.
• Detector size: 30 × 40 cm

Canon · Alphenix Sky

| Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Vascular intervention demands speed, precision, and optimum performance.
The Alphenix Sky is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.
• Detector size: 20 × 20 cm

Canon · Alphenix Sky

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Vascular intervention demands speed, precision, and optimum performance.
The Alphenix Sky is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.
• Detector size: 30 × 30 cm / 30 × 40 cm

Canon · Alphenix Sky+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm
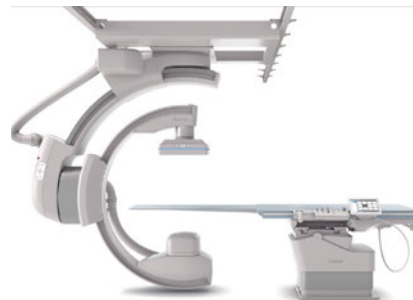
Highlights

Nowadays 3D plays a key role in high risk procedures such as aneurysm coiling, AVM / Fistula embolization, endovascular Aortic Aneurysm Repair, etc.
As its new flagship, the Alphenix Rite Edition incorporates state-of-the-art technologies allowing whole 3D body coverage at 80° / sec covering a range of 210°, from head to toe without any patient or table movement and free head access.
• Detector size: 30 × 40 cm

Canon · Alphenix Core

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardiovascular intervention demands speed, precision, and optimum performance.
The compact Alphenix Core is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.
• Detector size: 20 × 20 cm / 30 × 30 cm

Canon · Alphenix Core+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardio intervention demands speed, precision, and optimum performance.
The flexible Alphenix Core+ is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.
• Detector size: 20 × 20 cm

Single Plane

Canon · Alphenix Core+

Power	Detector	Pixel size
100 kW	CMOS / a-Si / CsI	76 / 194 µm

Highlights

Vascular intervention demands speed, precision, and optimum performance. The flexible Alphenix Core+ is designed to take advantage of the latest techno-logical innovations to reduce dose for patients and staff.

A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

• Detector size: 30×30 cm / 30×40 cm

GE Healthcare · Discovery IGS 730

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights

• Laser-guided system for intervention-al radiology & cardiology as well as Hybrid OR
• Can be installed from 35 m². Neither ceiling nor floor mounted
• Meets high hygienic requirements
• GE Detector Technology with High Image Quality & Dose Efficiency
• Planning, implementation and evalua-tion of PCI, TAVI, (T)EVAR and more

GE Healthcare · Discovery IGS 7 OR

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights

• Laser-guided system
• Multiple parking and back-out positions
• Optimal detector size for hybrid procedures
• Latest 3D Advanced applications
• Wide Bore 3D for easier 3D acquisition
• Integrated Magnus OR Table (Maquet)
• High detector DQE
• AutoEx: Dynamic exposure optimization
• Integrated large display monitor
• Functionalities integration at tableside
• Detector size: 31×31 / 41×41 cm

GE Healthcare · Innova IGS 540

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights

• Large imaging Field of View
• High detector DQE and AutoEx for dose optimization
• Latest 3D-guiding solutions
• Integrated large display monitor
• Functionalities integration at tableside
• Detector size: 41×41 cm

GE Healthcare · Innova IGS 530

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights

• Optimal detector size for combo procedures
• Fast gantry with patient contouring system
• Integrated large display monitor
• High detector DQE and AutoEx for dose optimization
• Functionalities integration at tableside
• More than 20 advanced applications (Innova 3D CT, Heart Vision, PCI Assist, Valve Assist)
• Detector size: 30×30 cm

GE Healthcare · Innova IGS 520

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights

• Optimal detector size for cardiac interventions
• A set of advanced clinical tools to help Plan, Guide, Assess complex procedures
• Fast gantry with patient contouring system
• High detector DQE and AutoEx for dose optimization
• Integrated large display monitor
• Easy accessibility to functions at table side
• Detector size: 20×20 cm

GE Healthcare · Optima IGS 330

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights
- Optimal detector size for general combo procedures
- A set of clinical tools including 3D imaging capabilities to meet the needs of a wide range of interventional cardiology & interventional radiology procedures
- Detector size: 31×31 cm

GE Healthcare · Optima IGS 320

Power	Detector	Pixel size
100 kW	a-Si / CsI	200 µm

Highlights
- Optimal detector size for general cardiology and electrophysiology procedures
- A set of visualization and quantitative analysis tools dedicated to cardiologists needs
- Low frame rate to minimize dose even further for electrophysiology procedures
- Detector size: 20×20 cm

Intermedical · Radius XP 100 Cardio – Ceiling suspended

Power	Detector	Pixel size
100 kW	30×30/21x21 cm	--

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-Arm movements are motorized)
- Modular software configurations suitable for all range of applications
- Available also with Image Intensifier 9" and 13"

Intermedical · Radius XP 100 Cardio – Floor based

Power	Detector	Pixel size
100 kW	30×30/21×21 cm	--

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-Arm movements are motorized)
- Modular software configurations suitable for all range of applications
- Available also with Image Intensifier 9" and 13"

Shimadzu · Trinias C16 / C12 / C8 unity edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights
- Detector size:
  16 x 12" (40×30 cm)
  12×12" (30×30 cm)
  8×8" (20×20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Shimadzu · Trinias F12/F8 unity edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights
- Detector size:
  12×12" (30×30 cm) / 8×8" (20×20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Single Plane

Shimadzu · Trinias C12 unity hybrid edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights
- Detector size: 12 × 12" (30 × 30 cm)
- High sensitive detector technology for outstanding image quality
- SCORE Pro Advance: real-time image enhancement processing technology
- High-speed C-Arm to perform 3D examinations
- Interdisciplinary applications: SCORE RSM, SCORE 3D, SCORE CT, SCORE Navi+Plus, Flex-APS
- High flexible OR table provides an optimum radiographic area featuring a whole-body coverage

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights
The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.
- Small footprint of 29 qm
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap
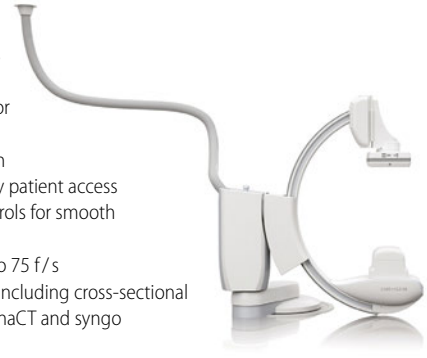
Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	154 / 160 / 180 µm

Highlights
The Artis ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.
- Detector:
  20 × 20 (1,024 × 1,024 px), 184 µm
  30 × 40 (1,920 × 2,480 px), 154 µm
  30 × 40 (1,920 × 2,480 px), 154 µm
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens Healthineers · Artis pheno

Power	Detector	Pixel size
100 kW	a-Si / CsI	160 µm

Highlights
Artis pheno delivers the right images for preprocedural planning, intraoperative guidance, and immediate assessment
- Detector:
  zen40HDR, hi-res cristalline silicon / CsI, 30 × 40 (2,496 × 1,856 px), 160 µm
- Optimal treatment of any patient virtually regardless of patient size, condition, or positioning needs
- Lower complication rates and improved outcomes even in most complex procedures
- Designed to support infection control measures to maintain highest standards for infection control

Siemens Healthineers · Artis one

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights
Intelligent operation is enhanced by a configurable head up display, allowing you to interact with the system in a completely new, intuitive way.
- Detector: as30, (1,560 × 1,420 pixels),
- Small footprint of 25 qm^2
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- Full patient coverage imaging up to 2.10 m
- Integrated 3D-Imaging and review with acquisition rate up to 66 f / s

Siemens Healthineers · Artis zee

Power	Detector	Pixel size
100 kW	a-Si / CsI	154 µm

Highlights
Artis zee multi-purpose is designed to meet the demands of interventional radiology and fluoroscopy. The system left suspension meets the needs of endoscopic applications in gastroenterology
- Detector: 30 × 40 (1,920 × 2,480 pixels), 154 µm
- Ergonomic system controls for smooth table-side operation
- 2k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 75 f / s
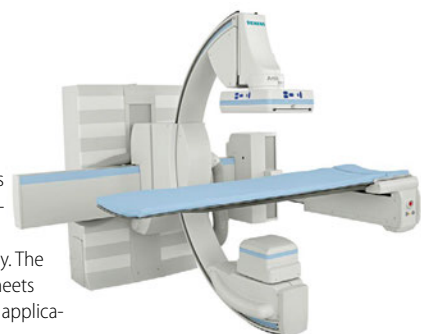
Surgical Flat Panel C-Arms

GE Healthcare · OEC Elite MiniView

Power	Detector	Pixel size
12 kW	CMOS)	1.3 k

Highlights
- Detector with cmOS Technology for low Dose and high Image Quality
- Easy to position
- Imaging with high resolution, no pixelbinning
- One Hand control with smart lock
- Wireless Footswitch (option)

- Two high res Monitors, live and reference Image with same size and resolution
- Detector size: 13 × 13 cm

GE Healthcare · OEC Elite CFD Ergo-C

Power	Detector	Pixel size
15 kW	CMOS	1.5 k

Highlights
- cmOS Detector with 1.5 x 1.5k Resolution
- 4k UHD Monitor with articulating arm
- Continous Fluoro and pulsed Fluoro
- AutoTrak and AutoSmartMetal
- Vascular functionality with Motion Tolerant Subtraction
- Ergonomic C-Arm for easy and flexible Positioning
- Detector size: 21 × 21 cm / 31 × 31 cm

GMM Group · Symbol FP – Mobile C-Arm system

Power	Detector	Pixel size
20 kW	a-Si	154 µm – 184 µm

Highlights
- State-of-the-art flat panel technology for outstanding performances and superior image quality for any imaging activity in operating room.
- General and vascular surgery, neurosurgery, cardiology, gastroenterology, urology.
- Easy patient positioning thanks to the wide C-Arm opening.
- Exclusive user interface with LCD touch screen display ensuring complete management of the operating parameters.
- Detector Size: 26 × 30 cm

Hologic · Fluoroscan InSight FD Mini C-Arm imaging system

Power	Detector	Pixel size
7,5 W (0,1 mA@75 kVp)	CMOS	75 µm

Highlights
The compact unit now features a redesigned monitor arm and rail for easy transportation and reduced OR workspace interference.
- High Resolution, Imaging Mode Option to utilize full detector resolution.
- Low Dose Rate Mode -Option to reduce dose rates by over 50 percent compared to auto mode, while still providing clinically equivalent images
- Compact redesigned monitor arm and integrated keyboard

Intermedical · "New" Radius XP with flat panel

Power	Detector	Pixel size
30 kW	a-Si / CsI	--

Highlights
- Large Power reserve of 30 kW
- Boost up to 200 mA
- Excellent 1,536 × 1,536 pixels image quality
- Max. 25 frames sec
- Touch Screen Panel PC directly on C-Arm with live image preview
- E-motion: all C-Arm movements can be motorized
- New Dual Cooling System for Housing and Generator

- Dual Power System: power reserve system
- Wireless pedal as option
- Available also with Image Intensifier, 9" or 13" (max frames/sec: 30)

Medtronic · O-arm system

Power	Detector	Pixel size
32 kW	a-Si - 2.0K × 1.5K	194 µm

Highlights
- Designed for surgery
- 13s true 360° 3D scan – Fully mobile
- Flexible intra-operative 2D- and 3D-imaging
- Large 2D-image size and large 3D scan volume up to 40 cm width
- Seamless integration in OR workflow
- Easy in use: All motions motorized, simple control panel
- Position memory remembers four scan positions
- Easy draping of the breakable gantry
- Seamless integrating with Stealth-Station Navigation
- Detector size: 30 × 40 cm

Surgical Flat Panel C-Arms

PrimaX International · Cyberbloc FP

Power	Detector	Pixel size
Up to 15 kW	a-Si / CsI	154 µm

Highlights
- Large C-Arm depth for maximum accessibility
- High sensitivity –> low dose operation
- Smart power management to handle long procedures
- Full touch "smart" user interface
- View station with angle and height adjustments
- Removable grid for paediatric applications
- Image free of any distortion
- Detector: 30×30 cm / 21×21 cm

PrimaX International · Cyberbloc FP-S Compact

Power	Detector	Pixel size
Up to 5 kW	a-Si / CsI	194 µm

Highlights
- Compact C-Arm
- Display and all useful operator controls available on the C-Arm
- Large range of applications
- Lightweight aluminium chassis for easy positioning
- Full touch view station and user interface
- Large C-Arm opening and wide orbital rotation
- Surgery dedicated dynamic flat panel
- Detector: 30×30 cm / 21×21 cm

Siemens Healthineers · Cios Fusion

Power	Detector	Pixel size
23 kW	20 × 20 / 30 × 30 cm	194 µm

Highlights
Fuse surgical versatility with Full View FD
- 160 percent more to see* – with Full View FD
- Save time – with advanced table-side control (option)
- Drive surgical revenue – with innovative technology

Compared to today's conventional 33 cm image intensifiers

Siemens Healthineers · Cios Alpha

Power	Detector	Pixel size
12 / 25 kW	20 × 20 / 30 × 30 cm	152 µm

Highlights
See the power with Full View FD
- Up to 25 percent more coverage* even during image rotation – with Full View FD
- See and do more – with a powerful 25 kW mobile C-Arm
- Effortless operability – full table-side control and single-touch positioning (option)

Compared to today's conventional 33 cm image intensifiers

Siemens Healthineers · Cios Spin

Power	Detector	Pixel size
12 / 25 kW	30 × 30 cm	152 µm

Highlights
- More certainty in demanding cases with precise intraoperative quality control based on 3D technology
- More efficiency in intraoperative 3D with Easy 3D package
- More cost-effectiveness in surgery through intraoperative corrections based on 3D images

Stephanix · Omniscop DReam

Power	Detector	Pixel size
5 kW / 20 kW	21×21 cm / 30×30 cm	154 µm

Highlights
- Orthopaedic, head, spine, thorax, abdomen, vascular, cardiac
- Large C-Arm depth and wide orbital rotation
- Adjustable height & angle of medical displays
- Dynamic FPD with high DQE and MTF
- Removable grid
- Advanced functions : APR, post-processings, DSA
- DICOM connectivity
- Detector size: 21×21 cm / 30×30 cm

Stephanix · Omniscop DReam S

Power	Detector	Pixel size
4.2 / 5 kW	CMOS	1.3 k

Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Pain therapy / Peripheral vascular using DSA function
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions : APR, post-processings, DSA
- DICOM connectivity
- Detector size: 21 × 21 cm / 30 × 30 cm

Technix · TCA7

Power	Detector	Pixel size
15 kW	CMOS	1.5 k

Highlights

- Orthopedics, spine, abdomen, vascular
- Rotating anode, water cooled for long procedures
- Large C-Arm and wide orbital rotation permits easy patient positioning
- Intuitive Touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric application
- Up to 125,.000 image storage capacity
- CD / DVD and USB for image exporting
- Full DICOM connectivity
- Detector size: 21 × 21 cm

Ziehm · Solo FD

Power	Detector	Pixel size
2.4 kW	CMOS	100 µm

Highlights

With its all-in-one design, the Ziehm Solo FD is one of the most compact C-arms on the market for even the smallest treatment scenarios. The system is equipped with the latest CMOS flat-panel technology - to perform a wide range of applications like orthopedics, trauma and pain management with excellent image quality. Versatile viewing options offer maximum flexibility in the OR to support your clinical workflow.
- Detector size: 20 × 20 cm

Ziehm · Vision FD

Power	Detector	Pixel size
2.4 kW	CMOS / a-Si	100 µm / 150 µm

Highlights

Now in the upgraded CMOS-line*, the Ziehm Vision FD features an enhanced imaging chain for excellent image quality and - thanks to the Advanced Active Cooling – is designed for continuous use. In addition, finely tuned workflows and new software features help to optimize patient outcomes and further increase productivity. The Ziehm Vision FD is now also available with a 31 × 31 cm / a-Si flat-panel. The bigger detector size allows to cover larger anatomical regions in orthopedic and vascular surgery.
- Detector size: 20.5 × 20.5 cm (CMOS) · 31 × 31 cm (a-Si)

*CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector.

Ziehm · Vision RFD

Power	Detector	Pixel size
25 kW	CMOS / a-Si	100 µm / 194 µm

Highlights

The Ziehm Vision RFD is equipped with a powerful generator that penetrates even large anatomy. In addition, Advanced Active Cooling facilitates long and demanding procedures and the intuitive Ziehm Usability Concept* helps surgeons ensure consistently high clinical standards. This impressive feature lineup make the systems ideal for challenging interventions.
- Detector size: 31 × 31 cm / 20.5 × 20.5 cm (CMOS) · 30 × 30 cm (a-Si)

* The Usability Concept includes a variety of hard- and software features. Due to regulatory reasons the availability of each feature may vary. Please contact your local Ziehm Imaging sales representative for detailed information.

Ziehm · Vision RFD Hybrid Edition

Power	Detector	Pixel size
25 kW	CMOS / a-Si	100 µm / 194 µm

Highlights

The Ziehm Vision RFD Hybrid Edition* is a powerful 25 kW mobile C-arm that is also available with CMOS imaging technology to successfully perform during highly demanding interventional cardiovascular procedures - flexible and everywhere - at any time. With its zero room preparation, the comprehensive mobile hybrid solution easily takes your OR to the next level.
- Detector size: 31 × 31 cm / 20.5 × 20.5 cm (CMOS) · 30 × 30 cm (a-Si)

* Ziehm Vision RFD Hybrid Edition represents a group of optional hardware and software that creates an option package on the device named Ziehm Vision RFD.

Surgical Flat Panel C-Arms

Ziehm · Vision RFD 3D

Power	Detector	Pixel size
25 kW	CMOS / a-Si	100 µm / 194 µm

Highlights

Bundling 2D and 3D functionality for greater intraoperative control, the Ziehm Vision RFD 3D reduces the need for postoperative CT scans and costly corrective surgeries. It is equipped with Ziehm Iterative Reconstruction to minimize fan and metal artifacts in 3D reconstruction, so far only known from CT imaging.
• Detector size: 31 × 31 cm (CMOS) · 30 x 30 cm (a-Si)

Surgical II-C-Arms

Block Imaging

Power	II format	CCD-matrix
15 kW	23 – 31 cm	1k × 1k

Highlights

C-Arm Rentals: OEC 9900 / OEC 9800 / OEC 8800 / OEC 7900
• Providing solutions for any budget and without capital overlay
• Vascular, cardiac, expanded surgical, and general use systems available
• Long term & short term rentals offered

DMS Imaging · EVO+ / EVO R+/ EVO R+ 15

Power	II format	CCD-matrix
Up to 15 kW	9" / 12"	1k × 1k

Highlights

• The range EVO, C-Arm units
include a microprocessor controlled high frequency generator and a fixed anode tube for EVO+ version and a rotating anode tube for EVO-R+
• Both systems have "Digital memory systems" and "Digital subtraction angiography" (DSA) and have been conceived for a large range of applications, including traumatology, endoscopy, intensive care and interventional procedures.

GE Healthcare · OEC FluoroStar 7900

Power	II format	CCD-matrix
2.2 kW	23 cm	1 k × 1 k

Highlights

• Imaging excellence for confidence in surgery
• Touch screen interface for simplicity and ease of use
• Sleek, high-quality flat panel display
• CD / DVD recording device with PC-based operation
• USB port for plug-and-play image storage
• Available as a Compact configuration with one or two monitors or with optional monitor cart (Compact2, Compact+ and Series
• Integrated WLAN interface (option)
• Field of view: 11 cm / 15 cm / 23 cm

GE Healthcare · OEC One

Power	II format	CCD-matrix
2.2 kW	23 cm	1 k × 1 k

Highlights

• I.I. Technology with 1kx1k Camera
• HD Monitor with articulating arm with wide Range of Movement
• TechView Tablet Monitor
• ADRO, AutoTrak and SmartMetal
• Low height at lateral Positioning
• Field of view: 23 cm / 16 cm / 12 cm

GE Healthcare · OEC Elite CFD Super-C

Power	II format	CCD-matrix
15 kW	21 × 21 cm / 31 × 31 cm	1.5 k

Highlights

• cmOS Detector with 1.5 x 1.5k Resolution
• 4k UHD Monitor with articulating arm
• Continous Fluoro and pulsed Fluoro
• AutoTrak and AutoSmartMetal
• Advanced Cooling System
• Vascular functionality with Motion Tolerant Subtraction
• Super-C with high Depth in arc
• Detector size: 21 × 21 cm / 31 × 31 cm

GMM Group · Symbol – Mobile C-Arm system

Power	II format	CCD-matrix
4 kW – 10 kW	9" / 12" / 13"	1k × 1k

Highlights
- Innovatory mobile C-Arm system for outstanding performances superior image quality in surgical application.
- Provided with High Frequency generator and ample C-Arm allowing wide and extended mouvements.
- Outstanding flexibility and precision in any type of projection are ensured also by 146° orbital mouvement with 56° overscan.
- 9" to 13" triple field Image Intensifier, 1K CCD

Intermedical · "New" Radius

Power	II format	CCD-matrix
3,5 / 5 kW	9" / 12"	1k x 1k

Highlights
- High resolution camera for fixed or rotating anode
- Touchscreen user interface
- High configuration cart with two 19" medical monitors
- Up to 110.000 image storage capacity
- Remote control
- Laser for patient centering
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Shimadzu · Opescope Acteno

Power	II format	CCD-matrix
2 kW	23 / 15 cm	1 × 1 k

Highlights
- High quality imaging
- Easy operation through fully balanced C-Arm
- Magnetic locks and all-free buttons
- Memory functions support an efficient workflow
- Inside C-Arm cabling
- Flexible upgradeability

Siemens Healthineers · Cios Select

Power	II format	CCD-matrrix
2.5 kW	23 cm	1 k

Highlights
Select smart surgical imaging
- 99.8 percent system availability* – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL dose management

* Average system availability over the entire Siemens C-Arm installed base

Siemens Healthineers · Cios Connect

Power	II format	CCD-matrix
2.3 kW	23 cm	1 k

Highlights
Connect everyday surgery with reliability
- Simplify your fleet management – with a multifunctional C-Arm
- Optimally balance image quality and dose – with IDEAL
- Increase asset utilization – with preventive maintenance and high system availability

Siemens Healthineers · Arcadis Orbic 3D

Power	II format	CCD-matrrix
2.3 kW	23 cm	1 k

Highlights
- Less revisions – with high quality intraoperative 3D imaging from a full 190° rotating scan
- Save prep and scan time – with truly isocentric design and intuitive 3D user guidance
- Seamless integration with 3D Navigation – through fully digital NaviLink (Option) with major vendors

Surgical II-C-Arms

Stephanix · Omniscop Series

Power	II format	CCD-matrix
Up to 15 kW	9" / 12"	1 k × 1 k

Highlights
- Surgery, traumatology, orthopedics, vascular ...
- Wide range of movements, large orbital rotation, small footprint
- High resolution CCD camera coupled with Thales Image Intensifier
- Collimator with motorised and rotating iris, continuously adjustable
- Touch screen user interface
- Post-processing software highlight tiny details
- Advanced functions: APR, DSA, DICOM connectivity

SternMed · Xenox C200

Power	II format	CCD-matrix
5 kW	9" / 12"	1 k × 1 k

Highlights
- DSA 25 frames per second
- 2 × 19" TFT B / W monitors with keyboard & trackball included Virtual Collimator
- Up to 440.000 image storage capacity
- Full DICOM
- 200 mm horizontal C-arm run
- Orbital movement 125°
- 270° on each side arm rotation
- 12° on each side C-arm swiveling
- Measure & Cine Software
- Dosemeter (DAP METER)
- Touch screen keyboard with 5.7" LCD display with the possibility to rotate of ± 60°

Technix · TCA7 Compact

Power	II format	CCD-matrix
3.5 – 5 kW	9" – 12"	1k x 1k

Highlights
- Pain management, orthopedics, urology, lithotripsy general surgery
- High resolution camera for fixed or rotating anode
- All in one compact and lightweight unit equipped with an on-board 24" medical touch monitor
- Small footprint for small operating rooms
- Intuitive Touchscreen user interface with image preview
- Up to 110.000 image storage capacity
- Motorized filters for pediatric application
- CD/DVD and USB for image exporting
- Full DICOM connectivity

Villa Sistemi Medicali · Arcovis 3000 S / R

Power	II format	CCD-matrix
3.5 – 15 kW	9" / 12"	0.5 × 0.5 k / 1 × 1 k

Highlights
- Application in urology, cardiology, orthopedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice between either 9" I. I. (with stationary or rotating anode) or 12" I. I. (with rotating anode)
- Choice of 0.5 × 0.5 k or 1 × 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 9" or 12" I.I., 1 × 1k camera

Villa Sistemi Medicali · Arcovis 3000 S Compact

| Power	II format	CCD-matrix
3.5 kW	9"	0.5 × 0.5 k

Highlights
- Compact C-Arm unit available with 9" I. I. and stationary anode tube
- Equipped with an on-board 17" LCD monitor, not requiring external displays on trolley
- Last Image Hold and storage system based on non-volatile technology
- ± 60° rotating control panel for immediate operation even in the most difficult environment

Ziehm · Solo

Power	II format	CCD-matrix
2.02 kW	23 cm	1 k × 1 k
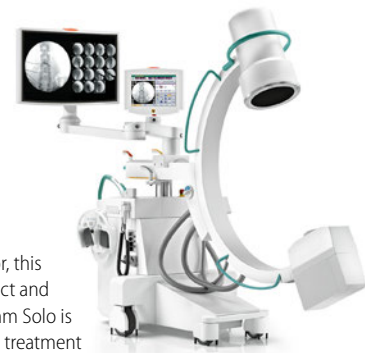
Highlights
Thanks to the integrated monitor, this C-arm is one of the most compact and versatile on the market. The Ziehm Solo is especially designed for crowded treatment scenarios in pain management, orthopedics and other applications. As an option, the Ziehm Solo can be easily supplemented with a Ziehm Viewing Station and ceiling or wall-mounted monitors. It is also available as a portable option for field operations.

Ziehm · Vision

Power	II format	CCD-matrix
2.02 kW	23 cm / 31 cm	1 k × 1 k

Highlights

As the basic technology platform for all mobile imaging systems in the Ziehm Vision family, this C-arm suits the broadest spectrum of surgical applications. Thanks to its liquid cooling system, the Ziehm Vision is designed for continuous use even during longer procedures. Packed with leading-edge functionality, the Ziehm Vision sets a standard in mobile imaging and ensures minimized dose levels.

Ziehm · Vision R

Power	II format	CCD-matrix
20 kW	23 cm / 31 cm	1 k × 1 k

Highlights

Equipped with a powerful monoblock generator with rotating anode technology, the Ziehm Vision R combines excellent image quality with minimized dose levels. The outstanding power reserves make this C-arm particularly suited for demanding procedures in cardiovascular surgery and interventional cardiology, including AAA, PTCA and coronary angioplasty.

Accessories / Complementary Systems

Canon Electron Tubes & Devices · X-ray Image Intensifier

Highlights

- Suitable for mobile C-Arms
- Smart design with smooth surfaces
- Excellent performance and high reliability
- Advanced simulation technologies used in development and production
- Our unique technologies provide a high Gx value, reducing radiation exposure to the patient.
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium
- Detector: Xray Image Intensifier
- Size: Field size 9 inch, 9 / 6 / 4.5 inch Output image size Ø 20mm , Ø 25mm
- Design: For C-Arm

Canon Electron Tubes & Devices · Angio Tube assembly

Highlights

- For angiography systems (2.1-MHU to 3-MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology provides a long tube life, quiet operation, continuous high-speed rotation, high stability, and excellent reliability.
- Power: 2.1-MHU to 3-MHU (Anode Heat Capacity) / 80 kW – 100 kW

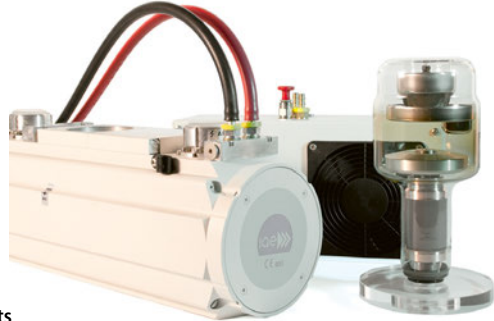### Dunlee · Generators for Cardio / Vascular Imaging

Highlights

Excellent Performance:
- Based on the most successful generator in interventional imaging
- Enables grid-controlled pulsed fluoroscopy
- High precision dose control

Extraordinary Uptime:
- On average experiences downtime only once in 15 years
- Modular architecture for easy integration and serviceability

I.A.E. · C30-RTM 70

Highlights

- Rotating anode X-Ray tube unit designed for mobile c-arm equipment
- Lead lined single piece aluminium body, internal pump for oil circulation, to improve thermal exchange
- Choice of HT cable socket: Parker or Claymount mini
- Optional remote water-air heat exchanger increases heat dissipation to 500W continuous for demanding interventional applications
- Water cooling can be mounted or upgraded on field

IT Systems

RIS / PACS

Business Intelligence

Portal Solution

Mammo Workstation

Mobile RIS / PACS Viewer

Dose Management Systems

Accessories /
Complementary Systems

AGFA *Agfa*
HealthCare

BMS
INFORMATIONSTECHNOLOGIE® GMBH

BRACCO
INJENEERING

Canon

CHILI®
Einfach überzeugend

EXAMION®
X-Ray Systems · Digital Imaging · Service

FUJIFILM

GE Healthcare

Guerbet
Contrast for Life

HOLOGIC®
The Science of Sure

I-SOLUTIONS
HEALTH

IMAGE
Information
Systems

itz-medi.com
PACS & Telemedizin

bender
gruppe medigration

PROTEC
TEAM | SPIRIT | ABILITY

SIEMENS
Healthineers

SOHARD
SOFTWARE

RIS / PACS

Agfa HealthCare · Enterprise Imaging for radiology

Highlights

Agfa HealthCare Enterprise Imaging for Radiology is a unified imaging management platform that provides PACS, reporting, advanced image processing capabilities and integration of clinical information. The solution offers diagnostic tools and powerful task-based workflow, designed to achieve gains in clinical productivity.

Agfa HealthCare · Enterprise Imaging VNA

Highlights

A robust solution for enterprise archiving of DICOM and non-DICOM data. As part of the Enterprise Imaging solution, the VNA consolidates all your imaging data, from multiple systems, departments, facilities and vendors, into a central clinical data foundation. Your data ownership, migration and storage costs are reduced, while management is simplified

Canon · Vitrea Advanced Visualization
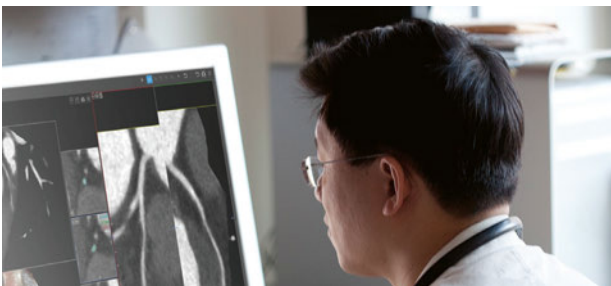
Highlights
- Suite of advanced applications provide full-powered solutions for 2D, 3D and 4D advanced visualization used to process and analyze clinical data from multiple modalities –MRI, CT, CR, DX, RG, RF, US, XA, NM, PET, PET/CT and SPECT
- Modular viewing platform that provides a broad range of clinical applications for Cardiology, Neurology, Oncology, Women's Health and MSK
- With multi-vendor support, Vitrea's broad range of clinical applications can be used to read data for all the major vendors' equipment
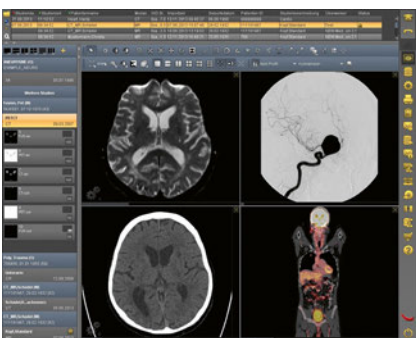
Chili · Web
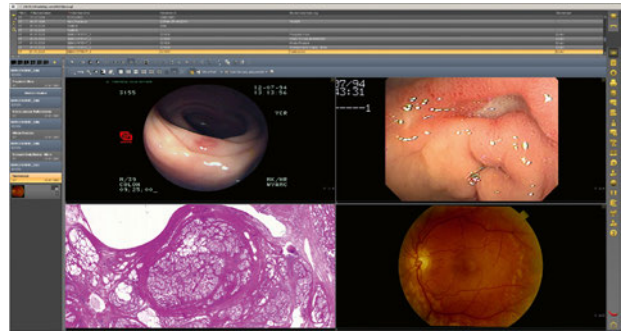
Highlights
- Multi-media (DICOM, JPEG, MPEG, PDF, …)
- Very well suited for teleradiology
- Referring physician access
- User concept with roles and rights
- Central user administration (LDAP, AD)
- Security measures
- Data compression (lossy & lossless)
- Suited for reporting (MPG class IIb)
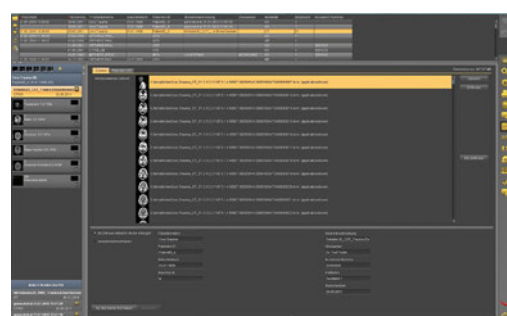- Works with any PACS

Chili · Diagnost

Highlights
- Independent of modality
- CT, MR, CR, DR, PET, PET-CT, US, XA, …
- Mammography
- Radio therapy
- Powerful hanging protocols
- Independent of OS
- Integrated teleradiology
- Extensible by other applications
- HIS / RIS integration
- Consultation functionalities
- Teleconferencing

Chili · Import PACS

Highlights
- PACS for external data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robot
- Data reconciliation with own IDs (IHE compliant)
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

RIS / PACS

Chili · PACS
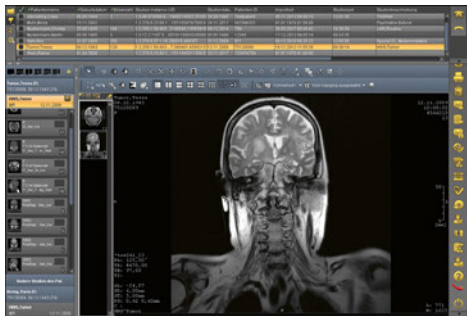
Highlights
- Multimedia PACS
- One viewer for all areas
- Scalable (practice to enterprise)
- Multitenancy
- Fail over and load balancing
- Archiving in existing systems
- Interfaces and synchronisation with HIS / RIS
- Supports multiple IHE workflows
- Referring physician access
- Teleconferencing
- Consultation
- Portal functionality

Chili · Teleradiology Gateway
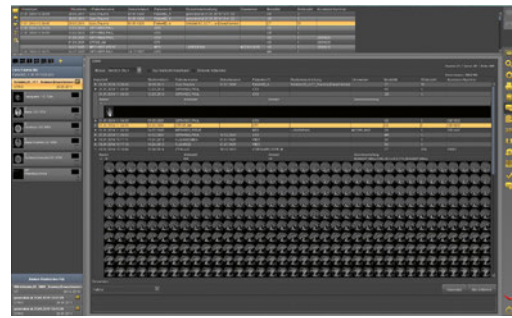
Highlights
- Vendor-independent protocols
- DICOM, DICOM E-Mail, HTTPS,
- Rule-based autorouting
- Automatic recovery after interruption
- Comprehensive security measures
- Lossy and lossless compression
- Data encryption
- Audit trails
- Diagnostic web-viewer
- Web-based administration
- Compliant to German RöV and DIN 6868-159
- Works with any PACS

Examion · X-AQS
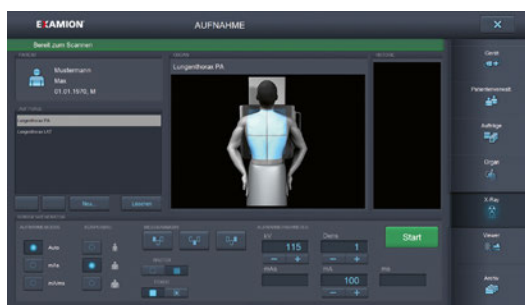
Highlights
Universal software platform for radiological image acquisition and management of all medical image data.
- High quality images in a few clicks
- Intuitive GUI with clear menu structure and icons
- Modular architecture, adaptable to all needs
- Certified diagnostic viewer with comprehensive measurement functions

Fujifilm · Synapse 3D

Highlights
Synapse 3D is the software platform that meets the requirements for processing and displaying of clinical and diagnostic imaging. Synapse 3D collects more than 50 functional modules, optimizes the workflow, allowing to interact on each study and share their work. Moreover, thanks to the integration and synchronization with Synapse PACS, the entire workflow benefits in terms of time and diagnostic accuracy trought just one workstation.

Fujifilm · Synapse 5

Highlights
Fully scalable, Synapse PACS can evolve from a small installation, dimensioned to handle few modalities, to the complete management of the Diagnostic Imaging Department. PACS provides one-touch access to all relevant patient information. Synapse makes the most of your infrastructure with Fujifilm's unique patented compression technology. This technology combines high compression ratios without sacrificing image quality.

Fujifilm · Synapse VNA

Highlights
Synapse VNA is the application for the content management of images and medical information; it is an open storage solution, secure, scalable, standard-based and focused on medical data, DICOM and native non-DICOM objects. Synapse can be configured to manage the data and transactions using the same shared for multiple departments and business units with the aim of building a complete and up to date Electronic Medical Record.

GE Healthcare · Centricity Clinical Archive Solution

Highlights

Centricity Clinical Archive (CCA) is an open architecture vendor-neutral archive (VNA) solution that unifies and intelligently manages patient data, clinical images and enterprise content. Built on IHE – XDS and DICOM-compliant industry standards, Centricity Clinical Archive enables seamless connectivity among disparate systems across multiple archive systems, specialties and facilities. A diagnostic Zero Footprint Viewer allows access to any clinical patient information.

GE Healthcare · Centricity Universal Viewer

Highlights

• 3D post-processing, breast imaging tools and enterprise-wide access on a single desktop
• Featuring a single image repository across 2D and 3D studies, Centricity Universal Viewer intuitively brings together the tools needed by radiologists, cardiologists and other clinicians to provide enterprise-wide access on a single desktop

Image Information Systems · iQ-SYSTEM PACS

Highlights

iQ-SYSTEM PACS is an easily configurable, highly scalable picture archiving and communication system. It is installed in more than 5,000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 118 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages.

Image Information Systems · iQ-View

Highlights

iQ-View is the vendor neutral easy-to-use multimodality reading station that has been designed by radiologists for imaging specialists. A unique previous study management using artificial intelligence accelerates the diagnostic process by automatically presenting relevant previous studies of any modalities. iQ-VIEW PRO automatically merges different patient identities from any PACS.

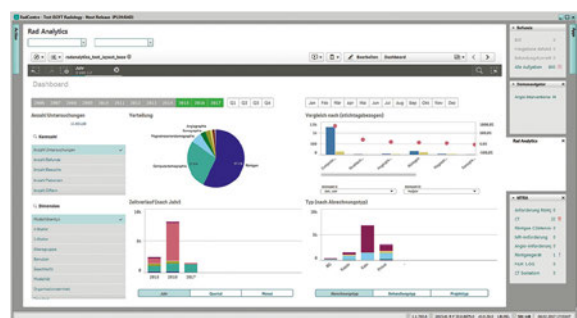## Image Information Systems · iQ-WEB RIS

Highlights

iQ-WEB RIS is a flexible and modular web-based radiology information system, which can easily be customized to meet the needs of any hospital or imaging center.

• HTML5
• Advanced Web-Scheduling
• Flexible Cross-site Reporting
• Extensive Statistics
• Secured Access

## i-Solutions Health · RadCentre Analytics

Highlights

RadCentre Analytics offers an integrated solution for specific data analysis and interactive reporting to increase performance in radiology.
• Predefined and high performant processing of operating figures
• Unlimited analysis options for optimisation of business outcomes
• Integrated data warehouse solution
• Visualization of radiation exposure extracted from PACS

RIS / PACS

i-Solutions Health · RadCentre Cockpit & Speech Integration
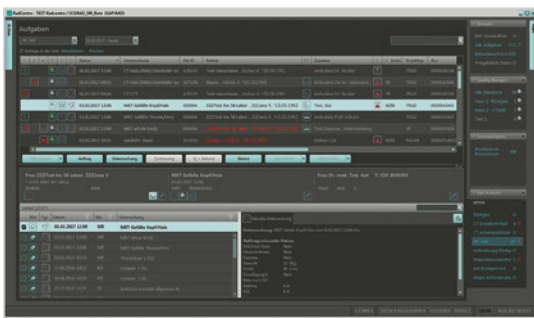
Highlights

RadCentre is a comprehensive process and data management solution for radiology, nuclear medicine and radiotherapy. Based on latest technologies it offers high usability with an innovative user interface (Cockpit) and most efficient reporting with integrated speech recognition.
• Integration of received reports (specification depends on cooperating system)
• Fast and efficient creation of reports for treatment without delay

ITZ Medicom · ITZ Hyper.PACS with archiving-system Hyper.ARC

Highlights
• Fast, stable, safe
• Reliable software solutions
• One frontend and one database for all data
• Fast shortterm and fireproof longterm-archive
• Easy to support
• ITZ-parallel-archiving-concept; no archiving of errors like with back-up-principle
• Compliance to RöV and MDD/MDR Class IIb

ITZ Medicom · ITZ Hyper.PACS – Reporting & advanced visualization
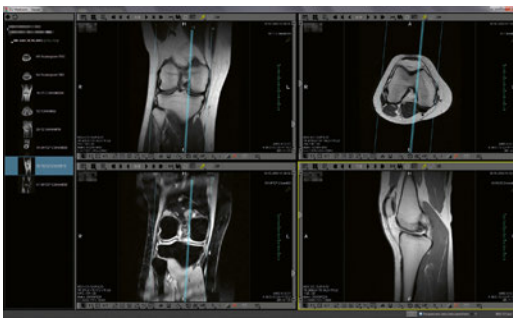
Highlights
• Solution for all purposes with special and easy hanging protocols
• Selection of postprocessing software for Radiology and Cardiology
• Real-time viewing. LVA, QCA and 3D-high-end-postprocessing
• One surface for viewing, diagnosis and telemedicine
• Viewing-history, session-parking, MRT-space-time-presentation
• Unlimited and automatic lists for demo, science and presentations

medigration · RIS / PACS

Highlights

Our RIS / PACS solutions are designed for multisite and manufacturer-independent networks. The WinRadiolog RIS product portfolio implies the whole patient management for your medical institution. Our PACS product portfolio comprises a proven DICOM archive, an intuitive operating reporting 3D ImageVision workstation, teleimaging and mobile solutions, patient CD system dosemanagement software solution..

medigration · ImageVision

☒ Mammo MR Screening
☐ Calcium scoring
☐ CFA
☒ Curonaries / heart
☒ Lung
☐ EP planning
☒ Functional Imaging
☒ Stroke
☐ Vessel measurement
☐ Virtual colonoscopy

Highlights
• Easy to use, high performance examination and analysis system for radiological routines
• Access to all images (including previous images) within seconds
• Unique and hierarchical data compression without any loss
• Individually configurable hanging protocols
• Independent individual scaling of your interfaces

Protec · Conaxx 2

Highlights

User-friendly and intuitively operable software for the acquisition of X-ray images and operation of several DR-modalities and X-ray generators.
• Three clicks only to get your X-ray image
• Professional image tuning function
• Automatic image optimisation
• Image diagnose directly in CONAXX two possible (optional/single workstation solution)
• Compatible with any DICOM PACS
• Extraordinary workflow efficiency

Protec · Propaxx

Highlights
- Administrative and assisting functions, e. g. the integrated interface for reporting the clinical findings or synchronic viewing images
- Detailed 10-bit display of the X-ray images
- Support of US images /sequences (US,CT,MRI in Propax Vet)
- Configurable menu with guide access
- Individual system size: single or multiple workstations
- Individual system size as multi-user / multi-client PACS solution
- Integrated backup function

Siemens Healthineers · *syngo* Dynamics

Highlights
syngo Dynamics is a single, enterprise wide, multi-modality intelligent reading and structured reporting platform to streamline data transfer and workflow. It helps enable high quality outcomes, efficient workflows, and improved operational efficiency
- Efficient workflows: Enables healthcare teams to quickly and easily access study data
- Consistent data: Quickly connect to the right data and avoid missing or conflicting data, to enable high-quality outcomes and faster reimbursement
- Simplify operations: A single platform that helps coordinate care across the continuum

Siemens Healthineers · *syngo*.plaza

Highlights
syngo.plaza is the smart PACS for reading and reporting a large variety of cases – from routine to complex.
- It offers robust performance, intuitive operation, and intelligent reading tools.
- It boosts routine reading by bringing 3D technology into PACS.
- It is a highly scalable PACS solution and its powerful storage capacities enable vendor-neutral archiving even enterprise-wide.

Siemens Healthineers · *syngo*.via

Highlights
syngo.via is the intelligent, integrated imaging software, which offers multi-modality and fast 3D reading, innovative and AI-powered applications. It speeds up your routine and provides actionable imaging based results to enhance care delivery and outcomes.
- Simplifying Routine – streamlined reading and reporting with powerful tools and integrated reporting solutions
- Empowering Innovation – latest technologies and syngo.via Open Apps provide a gateway to innovations and boost your clinical capabilities
- Adapting to you – integrating seamlessly into your IT environment and growing with all your medical and operational needs from workstation to multi-site

Siemens Healthineers · next generation VNA

Highlights
Enterprise-wide clinical data management made easy: the next generation VNA is the universal solution that meets the requirements of a powerful enterprise archiving solution for managing, archiving, and sharing clinical data independent of format and origin (DICOM and Non-DICOM). Scalable storage capacities allow data archiving across departments.
- Patient-centric storage
- Single point of integration
- Cost-saving data management
- Virtual Patient CD App
- Universal zero-footprint enterprise viewer Vivisul vit. Olum publiam

Siemens Healthineers · *syngo* Virtual Cockpit

Highlights
syngo Virtual Cockpit, a software for remote scanning assistance, lets you make the most of your imaging devices. Medical staff can use this software solution to connect remotely to scanner workplaces to assist personnel at a different location, especially where more sophisticated examinations are required.
- Boost confidence by sharing in-house expertise
- Enhance patient satisfaction by improving availability
- Relieve cost pressure by enhancing flexibility

RIS / PACS

Sohard Software · SeDI – Semantic PACS
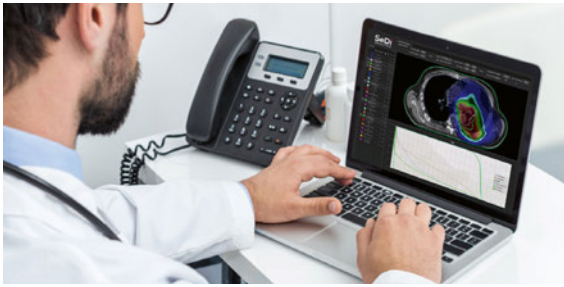
Highlights
- Enables semantic searches on your PACS and in the data analysis of your clinical applications, allowing you to consult images, diagnostic- & treatment data of previous cases
- Easily accessible reference cases help to complement and refine diagnosis and treatment planning
- Enables an automatic transfer of patient data from clinical IT to scientific IT systems
- Compatible with any common PACS

GE Healthcare · Healthcare Analytics Solutions

Highlights
A comprehensive portfolio of analytics solutions that comprise insight-rich applications supported by a team of healthcare experts. Ready-to-go analytics applications increase the value and utility of the vast amounts of healthcare data residing in transactional systems, devices and digital equipment to help healthcare organizations make more informed clinical, operational and financial decisions.
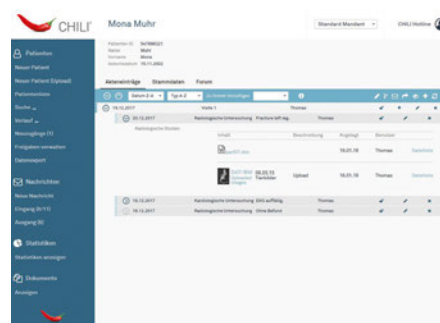
Portal Solution

Agfa HealthCare · Integrated Care Suite

Highlights
Integrated care is becoming a reality, and hospitals need solutions that give them a full overview of the patient, while sharing and collaborating with all stakeholders in the patient care continuum. With the Agfa HealthCare Integrated Care Suite hospitals can offer care providers, referring physicians and patients "anywhere, anytime" access to the patient's health information from different sources.

Business Intelligence

Agfa HealthCare · Enterprise Imaging Business Intelligence

Highlights
Easy access to the information you need through standard and customizable reports. Your Enterprise Imaging solution contains a wealth of information about your healthcare enterprise and its operations. Agfa HeatlhCare Business Intelligence reports are a cornerstone in better understanding operational realities, identifying areas for focused improvement and help build efficiency gains.

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Please visit us at
www.healthcare-in-europe.com

Chili · Telemedicine Record

Highlights
Web-based platform for the exchange of multimedia documents, e. g. diagnoses, lab results, DICOM images
- Capture, display and administration of patient data
- Forwarding to referring doctors
- Upload and download of DICOM and other images
- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

medigration · MultiPortal

Highlights
- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- No elaborate VPN neccessary
- Fast display of images and findings as PDF or SR
- For PC / MAC: Intuitive, web-based tool, to be launched without any installation via any standard browser

medigration · webConnect
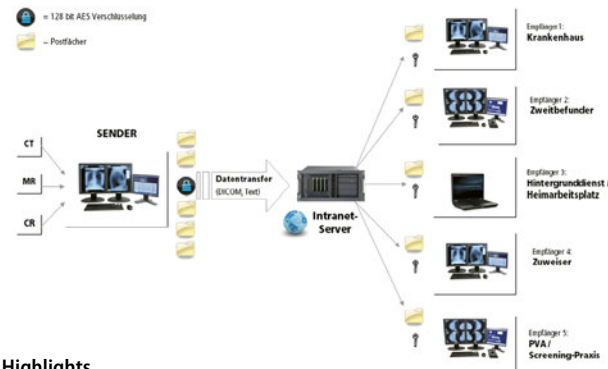
Highlights
- Uncomplicated exchange of image data via the internet
- Highly cost effective since only the actual transferred data is calculated
- No VPN connection necessary
- Images and results can be called up within seconds due to intelligent data compression
- Total security by means of 256 bit AES encryption

Siemens Healthineers · teamplay
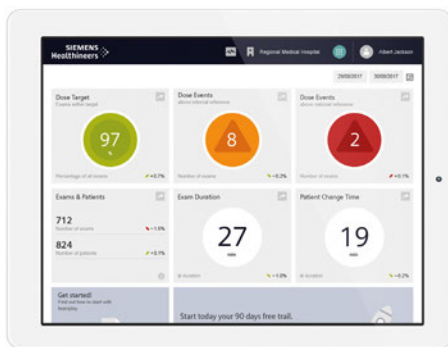
Highlights
teamplay is a performance management solution for radiology and cardiology.
- It provides you with transparent key metrics for your fleet and gives you fast, easy, and secures access.
- teamplay's focus on key metrics helps you to easily identify best-practice scenarios to standardize both operations and high quality of care.

Siemens Healthineers · eHealth Solutions

Highlights
By connecting different healthcare providers and even patients, eHealth Solutions foster communication and provide easy and secure access to treatment-relevant documents and images for all involved parties.
- IHE compliant infrastructure for exchanging medical information in cross-institutional, regional, and national eHealth structures.
- Connects physicians, patients and referrers through eHealth portals.
- Make documentation fast and comprehensive with eHealth Visual Care App

Mammo Workstation

Hologic · Intelligent 2D imaging technology

Highlights
Intelligent 2D Reveal more details in high-resolution 3D exams.
- Superior image quality. Clarity HD high-resolution 3D images and Intelligent 2D images deliver unprecedented clarity, contrast and detail at 70 µm resolution. Accelerate lesion detection with confidence.*
- Lower dose. Generate a new 2D image using advanced machine-learning algorithms and high-resolution 3D data to produce a robust, natural-looking image.
- Improved patient experience. 3.7-second scans reduce compression time to minimize motion and improve patient comfort.

Compared to 2D.

Hologic · Quantra 2.2 Breast Density Assessment
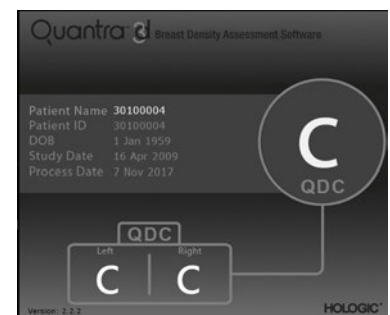
Highlights
A New Standard for Automated Breast Density Assessment Discover the Difference with Quantra 2.2.
Now with texture and pattern analysis, Quantra 2.2 offers more consistent, more reliable scoring. It delivers the accurate information clinicians need to confidently customize personalized patient care decisions and provide the highest quality assessments.
- Breast Density Estimation Algorithm
- Texture and Other Features Calculations
- BI-RADS 5th Edition-like Breast Density Scores

Mammo Workstation

Hologic · SecurView Diagnostic Workstations

Highlights
- Flexible, intuitive image review capabilities that are tailor made to the radiologist's specifications
- Interactively and intelligently through information-sharing – fast access to patient images
- Multimodality options allow all DICOM breast images from other imaging modalities such as ultrasound and MRI, improving workflow and efficiency
- Integrated CAD and breast density (Quantra) displays

medigration · MammoView

☒ Default display protocol
☒ Hi-Res displays or mixed setups
☐ Digital dictation integration
☒ Dedicated keypad
☒ WebClient

Highlights
- Extremely easy to use and manage
- Direct findings in the image
- CAD support (optional) and a second view area to examine US and MRT images
- Hanging protocols can be configured individually to automate your routine workflow
- Outstanding image quality (2,048 greyscale)

Siemens Healthineers · *syngo*.Breast Care

Highlights
syngo.Breast Care is the advanced reading and reporting solution with powerful tools for efficient screening and comprehensive multimodality diagnostics.
- Choose the most suitable solution from a stand-alone workstation to a multiple-user server
- Customize your automated reading workflow to your personal preferences
- Easily include multimodality and 3D ultrasound reading, synthetic views, contrast enhanced mammography, breast density and CAD information
- Integrated CAD solutions with interactive decision support based on highly trained AI-based algorithms.

Mobile RIS/PACS Viewer

Agfa HealthCare · Enterprise Imaging

Highlights
By seamlessly creating a comprehensive medical imaging record, and providing you with the tools to collaborate, exchange, view and manage it, Agfa HealthCare Enterprise Imaging supports you to build a system that will bring you clinical value all along the care continuum.

Agfa HealthCare · Enterprise Imaging Universal Viewer
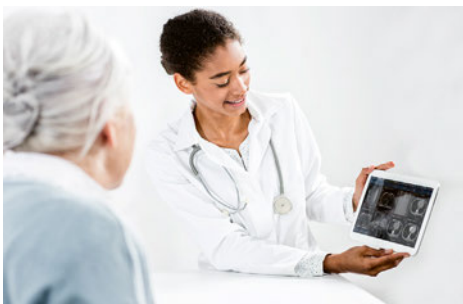
Highlights
Patient-centric image access from across all specialties in the enterprise, with enhanced viewing, collaboration and sharing, on a single web viewer. XERO Viewer provides secure access to imaging data from different departments and multiple sources, in one view, to anyone who needs it.
With the mobile device support, you can truly work on the go, capturing and uploading images wherever you are.

Agfa HealthCare · Image Exchange

Highlights
Fast, secure, reliable transfer of patient studies between hospitals, with no CDs or DVDs. With unlimited inbound and outbound uploading and downloading of images and a web-based way to share images with patients, referring physicians and other hospitals, Agfa HealthCare Image Exchange solutions provide the enhanced image sharing you need to improve the delivery of care while decreasing costs.

Chili · WebViewer^NG

Highlights
- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into any other system, such as HIS / RIS / PACS / EPR
- Works without an app store
- Independent of operating system (iOS, Android, …)
- Device independent (Apple, Google, …)
- No app – but HTML5!
- Works with any PACS

GE Healthcare · Centricity 360 Suite

Highlights
Centricity 360 will help distributed care teams collaborate efficiently on patient cases in a secure on premise platform to optimize and simplify patient information exchange with primary care to improve care management. Centricity 360 Case Exchange, Centricity 360 Physician Access and Centricity 360 Patient Access are the first applications in the Centricity 360 suite of private/public cloud or datacentre-based solutions.

Image Information Systems · iQ-3DVIEW

Highlights
iQ-3DVIEW is a zero-footprint viewer for web-based 3D visualization from anywhere. It runs on both tablet and desktop computers without requiring client installation. Feature highlights include curved MPR, Volume Rendering including Cropping and virtual endoscopic view.

Image Information Systems · iQ-4VIEW

Highlights
iQ-4VIEW is a ground-breaking diagnostic multimodality zero-footprint viewer, suitable for virtually all browsers and operating systems. It runs on almost any device (desktop computer, tablet PC or smartphone) and requires no installation on the client. iQ-4VIEW allows reading, viewing or reviewing any kind of images, structured reports and Encapsulated PDFs.

ITZ Medicom · ITZ Hyper.mView – Mobile solution

Highlights
- ITZ Hyper.mView supports all mobile devices and tablet-PC
- The solution is scaleable to your needs and budgets
- Secure by encryption and / or anonymized transmission
- Receive your images wherever you are with high image quality
- Different functionalities from viewing up to diagnosis
- Administration from any location
- Several helpful measurements

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Please visit us at

www.healthcare-in-europe.com

Mobile RIS/PACS Viewer

medigration · MutliPortal

Highlights
- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- Fast display of images and findings as PDF or SR
- No elaborate VPN neccessary
- For tablets & smartphones: Installation and updates easily via AppStore

Sohard Software · DICOM RT-Viewer

Highlights
- Runs on common internet browsers. Features all customary tools
- Displays images, diagnostic- & treatment data of previous cases, e.g. to confirm a diagnosis or to optimize treatment plans (in combination with SeDI – Semantic PACS)
- Displays images & image data from several stages of treatment or from comparable patients simultaneously (in multi-view mode)
- Incredibly fast, renders on graphic board

Dose Management Systems

Agfa HealthCare · Dose
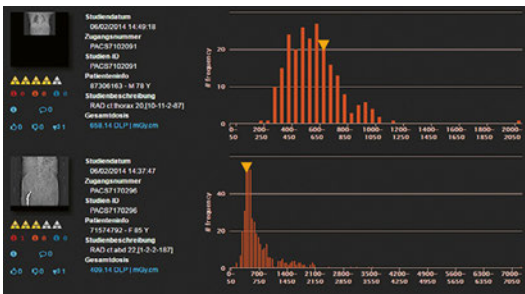
Highlights
The Web-based Dose Monitoring platform, integrates directly into existing picture archiving and communication system's (PACS) environment. Collecting the dose and metadata information already there, it can create patient radiation dose analyses at the study, patient, device, modality or institution level. It also provides all the tools you need for Root Cause Analysis, to help you understand and solve potential problems. The Dose Monitoring solution gives the tools needed to manage, analyze and balance the organization's radiation dose management.

BMS Informationstechnologie · EasyDose^{QM}

Highlights
EasyDose^{QM} liberates care professionals from most time consuming manual tasks: acquisition, documentation, analysis and archiving. It utilizes DICOM, HL7 and integrates seamlessly within existing HIS / RIS and PACS systems. Dose Information about individual patients, modalities and departments can be obtained without complicating search mechanisms with a few mouse clicks. EasyDose^{QM} has been developed with the end-user in mind.

BMS Informationstechnologie · EasyDose^{QM} – Options
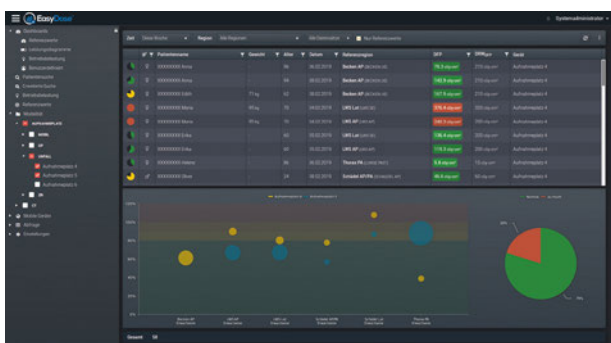
Highlights
EasyDose^{QM} complementary options:
- Integration of measuring stations and column scales
- RFID tracking of mobile devices, e.g. C-arms
- GPU based Monte Carlo Simulation
- HIS / RIS / PACS integration

Bracco · Nexo [Dose]

Highlights
- Nexo [DOSE] supports compliance with imminent European Directive (2013 / 59 / EURATOM)
- Single-server, fully automated system enables enterprise-wide data acquisition
- Multi-modality, vendor-neutral software minimizes installation time and costs
- Customized e-mail alerts help improve control and implement the ALARA* principle
- Global Dose Registry for study dose comparison

*ALARA (as low as reasonably achievable)

Canon · Vitrea Advanced Visualization
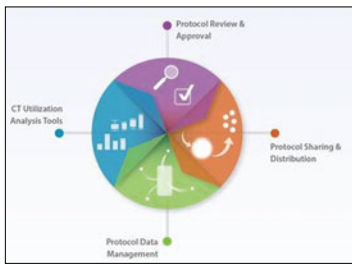
Highlights
- Vitality XT Applications empower institutions to optimize productivity and manage patient safety with Canon Medical Systems CT and XA systems as well as better manage dose, CT protocols and equipment to improve quality.
- The Dose Tracking Data Management System receives dose data and displays the total accumulation of skin dose for procedures performed on each patient.
- Vitality XT CT Applications deliver a comprehensive Protocol Management solution that enables protocol approval, distribution, and tracking for similar Canon Medical scanners.

Fujifilm · Syncro-Dose
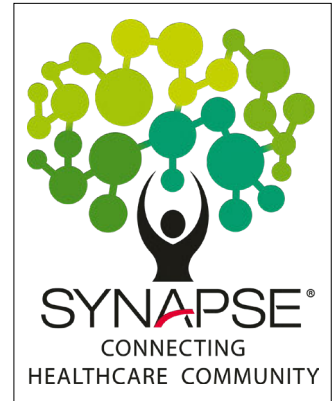
Highlights
Syncro-Dose is a comprehensive system for monitoring and managing patient radiation exposure across different imaging modalities. It is a support for the optimization of radiological procedures and acquisition protocols, a tool for supporting clinical audit and it provides a comprehensive Patient Dosimetric History. General and specific Dashboards track Key Performance Indicators (KPI) to measure productivity, to achieve quality assurance and to support quality of care.

GE Healthcare · DoseWatch

Highlights
DoseWatch is a comprehensive integrated solution that enables radiation dose and contrast parameters management, optimization and standardization. It is a web-based dose management solution that captures, tracks, and reports radiation and contrast dose directly from the medical device or PACS.
It is a multi-modality and vendor agnostic solution that can support optimizing dose levels by helping to detect possible causes of excess radiation. Thanks to its analytical functions and visualization abilities the system helps to get more transparency and dose awareness. Thus focused images ca be produced in diagnostic exams with lower exposure.
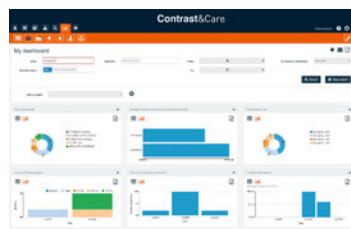
Guerbet · Dose&Care

Highlights
Dose&Care is an operational and flexible solution to monitor patient X-ray exposure. It connects to any ionizing modality and to the IT environment and can be adapted to the imaging center's specific workflow. Dose&Care records patient exposure data and provides a comprehensive set of tools to document, analyze and share information, including: patient history, DRLs benchmark, automated and manual alerts, organ dose, peak skin dose and much more. Easy to use and understand, Dose&Care stands out as solution which supports efficiently best-practice policies and facilitates regulation compliance.

Guerbet · Contrast&Care

Highlights
Contrast&Care is a unique web based solution dedicated to contrast media management.
It connects to compatible power injectors and to the IT environment (HIS, RIS, PACS…) and collects injection data, adverse events information, injector activity, estimated glomerular filtration rate (eGFR) and risk factors. Contrast&Care proposes a module to review the protocols before the exam, and presents the history of injections delivered to the patient with details of each procedures, adverse events, warnings and alerts if any. After the exam, Contrast&Care generates a report which includes, among other information, product data, injection phases, pressure and flowrate. Contrast&Care also provides, as an option, a set of tools to analyze the injection activity and to manage contrast media recalls conveniently.

## i-Solutions Health · RadCentre Dose View
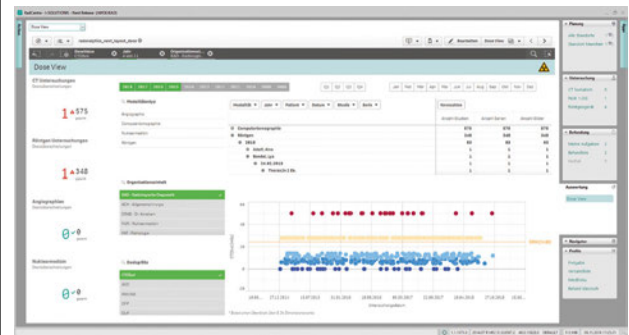
Highlights
RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements (i.e. EU-Directive EURATOM 2013/59 and related national regulations for radiation protection) by offering consistent standards to increase the quality of radiological examinations.

Dose Management Systems

Medigration · Domako
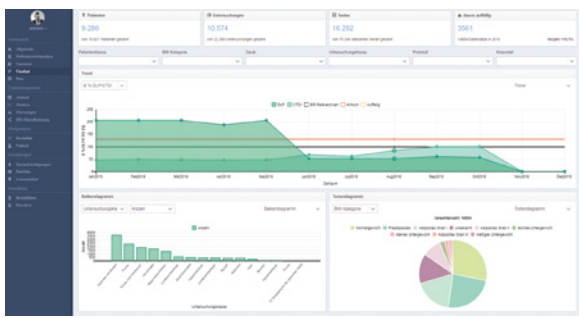
Highlights

Domako. Simple software solution for dose management (DM). Collects, classifies and evaluates dose data; graphs them. Efficiently control DM process. Optimize protocols of modalities purposefully. Observes dose guidelines of BfS. Holistic/detailed, be it in terms of individ. protocols, pat. groups or individuals. Fulfils function of an autom. X-ray book. Enables to react proactively to deviations. Web-based on-premises system. Can be integrated into other software systems.

Siemens Healthineers · teamplay

Highlights

teamplay is a departmental performance management solution that brings together healthcare professionals and experts. teamplay allows to make decisions swiftly and confidently, to access current data and thus optimize workflow and to cooperate in a global team. Our cloud-based network teamplay and the application teamplay Dose provide an overview of the doses applied.

The application visualizes the examinations that exceeded national reference levels or institutional set values, allowing to analyse outliers on a case-by-case basis and identify their cause. In short: teamplay Dose is the ideal tool to ensure compliance with Council Directive 2013/59/EURATOM.

Accessories / Complementary Systems

Canon · Advanced Edge Enhancement
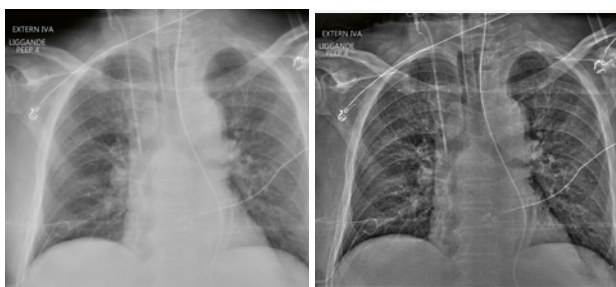
Highlights

Enhanced visibility of catheters, fine structures and bones
• Better visualization of foreign structures in the image
• Enhanced display of fine structures
• Better definition of the structures in soft tissue and low dose area's

• Obtain enhanced images suitable for measurement or other applications
• Catheter, Small Structure and bone settings depending on the specific application
• Improved visibility of bone contours for easier measurement of length and angles

Canon · Scatter Correction
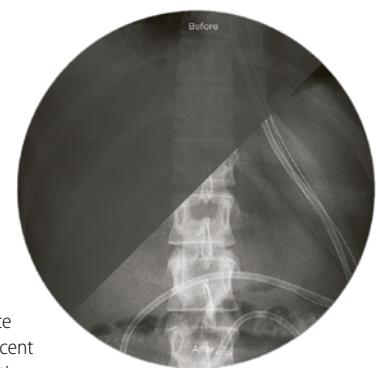
Highlights

Excellent image contrast without a grid. Canon's new image processing software Scatter Correction could reduce radiation dose by up to 60 percent on your radiographic examinations. Where a grid physically reduces scatter and thereby increases the image contrast, the software mimics this process virtually. The software works by creating a scatter model, which is subsequently subtracted from the image. The result is an image with reduced scatter and increased contrast. The software is available for Canon FPD imaging system.

i-Solutions Health · RadCentre Technician Profile
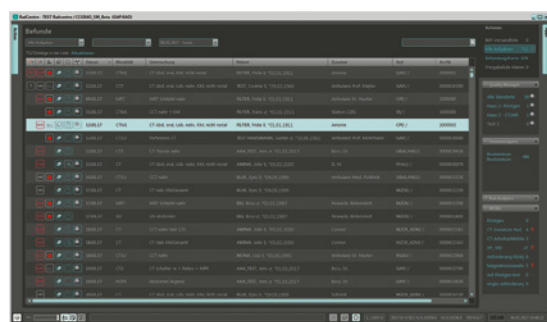
Highlights

RadCentre Technician Profile visualizes requested or performed examinations and reports at a glance and supports a fast and modality based workflow.
• Specific icons show examination status or patient information
• Images of prior examinations via integrated PACS viewer
• Interactive icons to change information or workflow status
• Scanned document files and laboratory results

i-Solutions Health · RadCentre Quality Manager
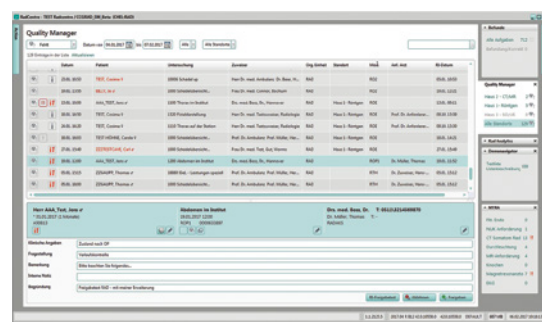
Highlights

RadCentre Quality Manager supports the justification and documentation process. It increases quality assurance, patient safety and efficiency of examinations and offers quick overview of information for doctors to initiate the justification.
• Integrated justification process
• Overview of non-validated examinations
• Easy planning of examinations and specific information for technologists

Mammography

Tomosynthesis

Digital Mammography

Film-Screen Mammography

Biopsy Units

Accessories /
Complementary Systems

Canon

DMS IMAGING

EXAMION
X-Ray Systems · Digital Imaging · Service

FUJIFILM

GE Healthcare

HOLOGIC
The Science of Sure

IMS Giotto

INTERMEDICAL

IAE

LEONI

Planmed

PTW

SIEMENS Healthineers

STERNMED
we make it possible

VAREX IMAGING

VILLA

Tomosynthesis

Canon · Artemis

Pixel size	Scan angle	Scan time
83 µm	30°	15 s

Highlights

The Artemis mammography system provides both 2D (Full Field Digital) and 3D (Digital Breast Tomosynthesis) imaging. The system system supports both screening and additional work-up examinations and biopsy procedures.

Fujifilm · Amulet Innovality

Pixel output	Scan angle	Scan time
50 µm / 100 µm / 150 µm	15° / 40°	4 s / 9 s

Highlights

- Unique new detector with Hexagonal pixels for fast, low dose examinations
- Tomosynthesis: Dual angle approach to tomosynthesis, and its unsurpassed 50 micron pixel output, better support breast screening and diagnostic mammography needs
- Intelligent AEC (iAEC) optimizes the X-ray dose for each breast type
- Dedicated mammography acquisition Workstation (AWS)

GE Healthcare · Senographe Pristina

Pixel size	Scan angle	Scan time
100 µm	±12°	<10 s

Highlights

- Inviting gantry design for patient- and user comfort featuring easy access and Dueta self-compression option
- Patented Rh/Mo x-ray tube for low dose imaging, especially in dense breasts
- IsoDose – comparable low dose 2D/3D
- AOP – Fully automated exposure control
- Option: Dueta, Seno 3D (DBT), SenoBright HD (CESM), Serena (Stereo)
- Detector size: 24 × 29 cm
- kV Range: 25 – 49 kV

Hologic · 3Dimensions

Pixel size	Scan angle	Scan type
70 µm (2D) / 140 µm (TOMO)	15°	3.7 s

Highlights

A Breast Tomosynthesis Exam with Results Like No Other. Only the Hologic 3D Mammography exam:
- Proven to detect up to 65 % more invasive breast cancers than 2D alone.*
- The only mammogram FDA approved as superior for women with dense breasts compared to 2D mammography.
- More than 200 studies demonstrate the exam's clinical efficacy.

Now you can have these clinically proven results with the new Hologic 3Dimensions 3D Mammography system.

Results from Friedewald, SM, et al. "Breast cancer screening using tomosynthesis in combination with digitalmammography." JAMA 311.24 (2014): 2499-2507

Hologic · Clarity HD High-Resolution

Pixel size	Scan angle	Scan type
70 µm (2D) / 140 µm (TOMO)	15°	3.7 s

Highlights

Fastest, Highest Resolution 3D Images
Unleash the power of the fastest and highest resolution 3D images in the industry with the same pixel size as FFDM (70 microns). The Clarity HD high-resolution 3D imaging's breakthrough detector and advanced 3D imaging algorithm work together to deliver exceptional 3D images – regardless of breast size or density
- Accelerate screening and analysis.
- Designed to clearly see subtle lesions and fine calcifications to help pinpoint cancers early.
- Designed to help you diagnose patients with greater certain.

Hologic · SmartCurve – Breast Stabilization System

Pixel size	Scan angle	Scan type
–	–	–

Highlights

More comfortable mammograms. More satisfied patients.
- Curved compression surface applies uniform compression over the entire breast.
- Shown to improve comfort in 93 % of patients who reported moderate to severe discomfort with standard compression paddles.*
- Processing software takes paddle geometry into account, so there's no impact on image quality.*

- There's no change in positioning technique or workflow for technologists.
- Can be used with a MammoPad breast cushion for additional cushioning and increased tissue capture.**

* In an internal study comparing Hologic's flat paddle to the SmartCurvE paddle (18 × 24cm)
** Coryell T. Increasing Mammography Tissue Acquisition through Positioning Training and Use of a Foam Breast Cushion.

IMS Giotto – GMM Group · Giotto Class 40000

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se

Highlights
The system is designed to drastically improve the screening and diagnostic throughput thanks to an high rotation speed and an improved vertical run speed
The gantry is ergonomically designed to give patients a natural and more relaxed positioning
The operating and interventional modalities include:
• Digital mammography examinations (2D)
• Breast Tomosynthesis (3D)
• Synthesized 2D image generated from 3D dataset
• Combo: Tomosynthesis & digital mammography
• High precision tomo guided or stereotactic biopsy
• Contrast-Enhanced Spectral Mammography (CESM)
IMS Giotto is a company of GMM Group

IMS Giotto – GMM Group · Giotto Class

Pixel size	Scan angle	Scan time
85 µm	38.6°	13 s

Highlights
Giotto Class is an advanced and innovative three dimensional breast imaging technology able to perform
• Digital mammography examinations (2D)
• Breast Tomosynthesis (3D)
• Synthesized 2D image generated from 3D dataset
• Combo: Tomosynthesis & digital mammography
• Stereotactic biopsy in prone or upright position
• Contrast-Enhanced Spectral Mammography (CESM)
IMS Giotto is a company of GMM Group

Intermedical · Womam

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se / a-Si

Highlights
• Mammography system available in different versions: analogic, 2D digital and 3D digital with tomosynthesis function.
• AEC with dual modality: PRE in function of effective breast density and FAST in function of compressed breast thickness.
• Version with isocentric C-arm dedicated for biopsy procedures.
• DICOM 3.0 connectivity.
• Optional diagnostic workstation available with CAD software.

Planmed Oy · Clarity 3D

Pixel size	Scan angle	Scan time
83 µm	15°	13 s

Highlights
• Digital mammography system for conventional 2D imaging, diagnostic imaging, stereotactic biopsies and Digital Breast Tomosynthesis (DBT)
• Continuous Sync-and-Shoot tomosynthesis imaging method with iterative reconstruction and Tomo-Marker technology to enable sharp and artifact free images
• Intuitive Planmed Clarity Flow touch screen based user interface

Siemens Healthineers · Mammomat Revelation

Pixel size	Scan angle	Scan type
85 µm	50°	25 s

Highlights
State-of-the-art digital mammography system for screening and diagnostics
• Make anatomical details clearly visible with our unique 50° wide-angle – in Breast Tomosynthesis and Breast Biopsy
• Automated breast density measurement right at the acquisition workstation allows for instant risk stratification
• InSpect – our integrated specimen scanner facilitates the immediate control of the biopsy directly at the system
• Get additional diagnostic information fast with Titanium Contrast Enhanced Mammography

Siemens Healthineers · 50° wide-angle Tomosynthesis

Pixel size	Scan angle	Scan time
85 µm	50°	25 s

Highlights
Advance screening and diagnostic results with high accuracy. 50° wide-angle Tomosynthesis has proven an increase in cancer detection rate of 41.5 % for invasive cancer – with a one-view tomo scan only.
• Highest depth resolution with 50° wide-angle tomosynthesis
• Gain a fast overview – with our synthetic visualization Insight 2D
• 40 % dose reduction as opposed to FFDM as an adjunct to tomosynthesis
• Decrease tomo reading time - with our unique, synthetic visualization Insight 3D a unique, rotating 3D display in breast tomosynthesis

Tomosynthesis

Villa Sistemi Medicali · Melody IIID TS

Pixel size	Scan angle	Scan time
85 µm	15° / 24° / 36°	5 s / 6 s / 9 s

Highlights
- Digital mammography system with tomosynthesis function
- Special anti-scatter grid for tomosynthesis allowing superior image quality
- Collimator with automatic recognition of compressor paddle
- User-friendly interface with touch screen display on each side of C-arm
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software
- Detector size: 24x30 cm

RADBOOK 2019

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www.healthcare-in-europe.com

Digital Mammography

DMS Imaging · Serenys DR Bym

Pixel size	Detector size	Detector type
85 µm	18 × 24 cm / 24 × 30 cm	a-Se

Highlights
- The Serenys DR Bym, with the added advantage of an isocentric C-arm including stereotactic biopsy
- The isocentric C-arm can be fully motorized and permits all breast projections without moving the patient and without adjusting the height of the C-arm, making exams faster and more comfortable
- The newest version dbt offers the possibility for tomosynthesis
- The device is also available in analogic or in compact version.
- kV Range: 20 – 35 kV

Examion · X-Mammo DR M

Pixel size	Detector size	Detector type
76 µm	18 × 24 cm	CsI

Highlights
Retrofit analogue and CR mammography systems. Get the advantages of a digital detector without replacing your existing mammography equipment.
- Pixel size of 76 µm for high image quality
- Image processing developed specifically for digital mammography
- Efficient work flow and high operating comfort

GE Healthcare · Senographe Crystal Nova

Pixel size	Detector size	Detector type
100 µm	24 × 29 cm	a-Si

Highlights
- High performance GE detector
- AOP – Fully automated exposure control
- Quick and automated gantry positioning
- eContrast image processing
- Small foot print
- kV Range: 20 – 50 kV

Planmed Oy · Clarity 2D

Pixel size	Detector size	Detector type
83 µm	24 × 30 cm	a-Si

Highlights
- Intelligent Planmed Clarity Flow dual touch screen user interface that adapts to different imaging modes
- Image post processing that can be tailored to radiologist preferences
- Side access for optimal patient positioning and user ergonomics
- Integrated MaxView breast positioning system for maximal tissue visibility
- Easy field upgrade to Planmed Clarity 3D digital breast tomosynthesis

Planmed Oy · Clarity S

Pixel size	Detector size	Detector type
83 µm	24 × 30 cm	a-Si

Highlights
- Sturdy companion for your everyday breast imaging and follow up studies
- Tailored image post-processing delivers optimal images for all needs
- Design enables perfect usability and excellent patient and user ergonomics
- Compact size, durable a-Si detector and single phase power feed make the unit optimal for demanding conditions such as mobile installations

Siemens Healthineers · Mammomat Fusion

Pixel size	Detector size	Detector type
83 µm	23 × 30 cm	CsI

Highlights
Premium mammography system to enhance everyday screening and diagnostics
- Help your patients to relax with the Mood-Light option
- Stereotactic biopsy option for fast seamless procedures
- New generation CsI detector technology for higher spatial resolution at low dose
- Refined workflow to perform complex tasks at the click of a button
- Personalized OpComp and OpDose
- Focus on total cost of ownership including operating costs and service

SternMed · Xenox S200

Pixel size	Detector size	Detector type
85 µm	23.9 × 30.5 cm	a-Si / CsI or a-Se

Highlights
- Indirect conversion technology a-Si detector or optional Direct Conversion detector
- Automatic Collimation and filtration according to the installed compression paddle
- Iso-centric c-arm
- Fully motorized movement
- Automatic Exposure Control (AEC)
- Acquisition console with 3MP B/W monitor and Transparent anti-X protective barrier
- Full Field digital stereotactic biopsy

Villa Sistemi Medicali · Melody IIID

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se or a-Si

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with dual modality: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- Optional diagnostic workstation available with CAD software

Film-Screen Mammography

Planmed Oy · Sophie Classic S

Power	Anode	Filter
20 – 35 kV	Mo	Mo / Rh

Highlights
- An optimum performance analogue system with ease-of-use
- High technology and smart solutions enable efficient workflow at smaller clinics and busy screening centers. Also diagnostic mammograms are available by upgrading the unit with a magnification platform and stereotactic biopsy device
- Automated features, such as the Automatic Exposure Control and automatic selection of the collimator ensure correct parameters for imaging and help to avoid additional retakes
- Optional CR interface available

Siemens Healthineers · Mammomat Select

Power	Anode	Filter
23 – 35 kV	Mo	Mo / Mo or Mo / Rh

Highlights
An analogue system that is easy to use, provides images at the right dose and is cost-effective to offer women the standard of care they need
- Easy touch screen control for streamlined workflow
- Easy to dose right with AEC control
- Easy to invest with flexible service and upgrades

Film-Screen Mammography

Villa Sistemi Medicali · Melody III

Power	Anode	Filter
20 – 35 kV	Mo	Mo / Rh

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- C-arm with ± 180° rotation
- Version with isocentric C-arm dedicated for biopsy procedures
- Available with 18 × 24 / 24 × 30 cm bucky or special potter accepting both cassette sizes

Biopsy Units

GE Healthcare · Senographe Pristina Serena

Pixel size	Detector size	Detector type
–	–	–

Highlights
Upgrade option
for Senographe Pristina
- Innovative system design for maximum flexibility
- Big image field for easy and fast positioning
- Easy and quick access to biopsy region
- Easy and quick switch between vertical/lateral approach
- Automatic positioning of the biopsy unit in all three axis (X / Y / Z)
- Laser light for anesthesia

Hologic · Brevera – Breast biopsy system with CorLumina

Pixel size	Focus	Detector size
20 µm / 12bit	50 µm	3.3 × 2.5 cm

Highlights
The Brevera system will change the way you think about performing breast biopsies
- Increase accuracy – Real-time imaging delivers a wealth of information to the point of care – so informed clinical decisions can be made with confidence.
- Enhance workflow – An intuitive user interface, real-time imaging, and automated specimen collection and separation work together to potentially reduce procedure times by up to 25 % or more.*
- Improve the patient experience – Fast, accurate, streamlined procedures mean less time under compression and can result in a more positive experience for you and your patients.

2015 Kadence International Survey of 200 healthcare professionals

Hologic · Affirm Prone – Biopsy system

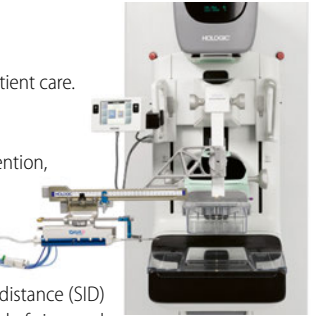| Pixel size	Detector size	Biopsy position
70 µm	14.3 × 11.7 cm	reclining

Highlights
The first and only dedicated prone stereotactic biopsy system with 2D / 3D imaging
- Stereotactic biopsy with Superior 2D or 3D imaging using the same proven detector technology found in our Selenia Dimensions mammography system.
- A streamlined workflow designed to deliver faster procedures.
- Easy, total access to the breast with full 360-degree access and an exclusive fully integrated lateral needle approach to facilitate reaching challenging lesions.
- Enhanced patient comfort through ergonomic design and an array of patient sitioning aids.

Hologic · Affirm Upright – Biopsy system

Pixel size	Detector size	Detector type
–	–	–

Highlights
Technological innovation. Improved patient care.
Advanced breast health solutions.
That's what the Affirm system delivers.
To further support breast health intervention, the Affirm system features:
- Both stereotactic breast biopsy procedures and the revolutionary tomosynthesis option.
- Full use of the 70 cm source to image distance (SID) technology, the 18 × 24 cm biopsy field of view and clear compression paddles available with the Selenia Dimensions diagnostic system, enabling easy patient positioning and biopsy device loading, as well as ample workspace for wire localization procedures.
- Unique, 10°-angled biopsy approach for an unobstructed view of lesions, while maintaining simple Cartesian targeting methods in all biopsy modes.

IMS Giotto – GMM Group · Giotto Class Smartfinder

Pixel size	Detector size	Detector type
85 μm	24 × 30 cm	a-Se

Highlights
Giotto Class is a patented breast tomosynthesis system offering a multitude of diagnostic and interventional solutions, including
• Stereotactic biopsy in prone or upright position using the specific prone table accessory
• High precision tomo guided biospy in prone or upright position using an innovative needle probe rotation for better lesion approach (SMARTFINDER)
• Combination of traditional stereo technique and tomo biopsy

The compact design and the versatile acquisition unit on wheels allow the operator to use the system in the same room for both diagnostic and interventional procedures
IMS Giotto is a company of GMM Group

IMS Giotto – GMM Group · Giotto Flexitable

Pixel size	Detector size	Detector type
85 μm	24 × 30 cm	a-Se

Highlights
Flexitable is an accessory which, in combination with the Giotto CLASS system and the Smartfinder biopsy kit, enables interventional prone biopsy procedures
• High manoeuvrability, thanks to its reduced weight, the handle and the special wheels
• Excellent ergonomics for the patient thanks to the possibility of adapting the position of the breast and inclining or raising the front end of the table to compensate for bending and come into closer contact with the chest
• Excellent ergonomics for the operator: thanks to the large vertical travel, which makes it possible to work either standing or sitting, and the absence of connecting cables when the table is powered by the battery
IMS Giotto is a company of GMM Group

Accessories / Complementary Systems

Hologic · ATEC – Breast biopsy and excision system

Highlights
ATEC breast biopsy & excising system provides clinicians with easier & more effective access to lesions with a single insertion.
• Tissue acquisition occurs every 4.5 seconds
• One simple console for every modalit
• Easily delivers local anesthetic continuously
• Fully closed system & disposable device reduce contamination risk
• No software to program / operate console
• One minute set-up and clean-up

Hologic · Eviva

Highlights
The Eviva breast biopsy device is a stereotactic and tomosynthesis guided biopsy solution for use with both prone and upright image guidance systems. The Eviva device combines focus on patient access with seamless integration, for a compassionate, minimally invasive breast biopsy.

Hologic · Localizer

Highlights
Localize is the revolutionary way to guide breast surgeries easily and accurately. Localizer uses a miniature radiofrequency Tag designed to be implanted into the breast up to 30 days before surgery. No surgical wires mean less stress for the patients and less localization scheduling conflicts between the radiology and breast surgery department. The handheld reader displays the distance to the tag in millimetres and the Tag IDs on a bright screen, making it easy to read during the procedure.

Hologic · Viera – Portable breast ultrasound
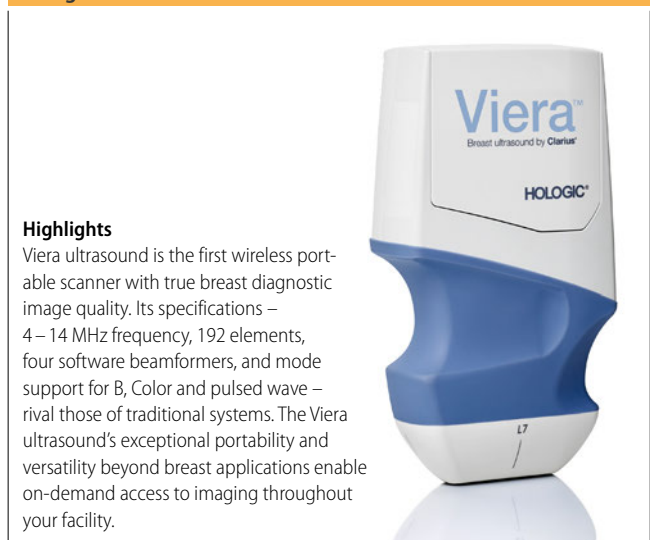
Highlights
Viera ultrasound is the first wireless portable scanner with true breast diagnostic image quality. Its specifications – 4 – 14 MHz frequency, 192 elements, four software beamformers, and mode support for B, Color and pulsed wave – rival those of traditional systems. The Viera ultrasound's exceptional portability and versatility beyond breast applications enable on-demand access to imaging throughout your facility.

## Accessories / Complementary Systems

I.A.E. · XK1016T

Highlights
- Rotating anode mammography X-ray tube, with special bi-angled target, for optimal performances with all techniques
- Two separate focal tracks, small focus on 10° and large focus on 16°, optimal resolution performances
- Reduced thermal stress on the bearings improves tube life duration
- Severe tests during conditioning assure best performances
- Compact light weight structure

I.A.E. · C340
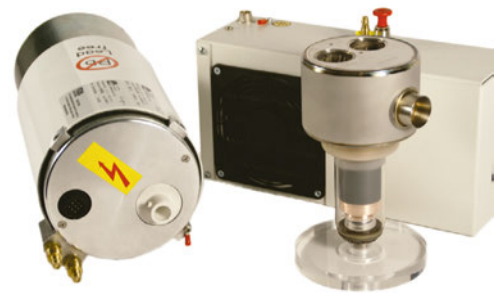
Highlights
- Water cooled mammography tube unit for beam scanning mammography equipments,high patients throughput screening applications
- Brass body lead free X-ray shielding internal pump for oil circulation improves oil to casing thermal Exchange
- Water cooled jacket avoids remote oil circulation
- Compact lightweight structure
- 800 W continuous dissipation for high energy techniques, high patients throughput

Leoni · Cable systems

Highlights
Leoni cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. Leoni provides wiring services for mammographs and can collaborate in the development phase.
As a systems supplier, Leoni provides consultation and analysis at local level, development and design of the optimum cabling and the supply of proto-types. In addition, Leoni offers individual and system verification testing, as well as customer-specific logistics solutions.

PTW · Nomex Multimeter

Highlights
- Dosimetry system, CE marked, class IIb certified, acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Ideal for tomosynthesis measurements
- Accessories: Normi MAM test objects

PTW · Normi MAM – Digital X-Ray test object
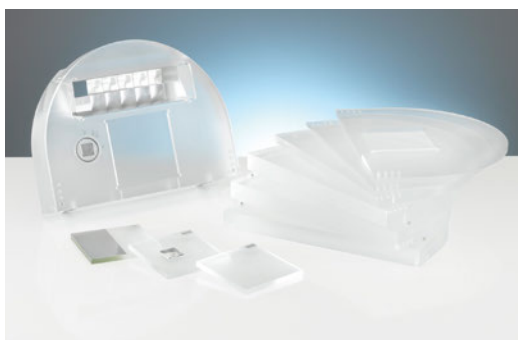
Highlights
- Checks all relevant parameters of digital mammographic X-ray installations
- Fully complies with DIN 6868-162 and DIN 6868-14
- Modularly composed CE marked class I certified test object
- Incl. different absorbers and test elements

Varex Imaging · B-121 – Mammography housing

Highlights
The B-121 is an air cooled mammography housing that fits a standard three-inch X-ray tube insert meant for digital and tomography applications.
The housing has two shroud configurations; with and without quiet D/C fans. The B-121 offers 300 watts of continuous heat dissipation with fans, which is approximately 200 % greater than standard mammography housings.

R / F Film-Screen

Bucky

Fluoroscopy

Mobile X-Ray

Accessories /
Complementary Systems

Canon

DMS IMAGING

EXAMION®
X-Ray Systems · Digital Imaging · Service

GE Healthcare

GMMGROUP

Iae

PROTEC
TEAM | SPIRIT | ABILITY

noesys
MedTec GmbH

SHIMADZU
Excellence in Science

SIEMENS
Healthineers

STEPHANIX
MEDICAL IMAGING SOLUTIONS

STERNMED®
we make it possible

VILLA

Bucky

Canon · Radrex

Power	Table	Table height
50 / 80 kW	Floating	Adjustable

Highlights

Canon recommends Radrex compact radiographic systems for general-purpose radiography, being highly accurate and efficient. It is possible to expand the original system to meet the particular clinical requirements of the user. When the system is combined with a portable FPD (35 × 43 cm) and digital processor, a wide range of applications can be performed.

Examion · X-R Ceiling Standard

Power	Table	Table height
55 / 65 / 80 kW	Floating	54 – 93 cm ± 1,5 cm

Highlights

The Examion ceiling-suspended X-ray system meets all hospital's requirements.
• Well proven system
• Manual or motorized tube support
• Low maintenance effort
• Affordable price

Examion · X-R Static Z / U-Arm

Power	Table	Table height
50 kW	Mobile table on request	59.5 – 86.5 cm

Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.
• Ideal for small rooms and low ceilings
• Easy positioning due to direct coupling of detector and tube
• Low maintenance effort
• Affordable price

GMM Group · Opera RT20 – RAD and TOMO unit

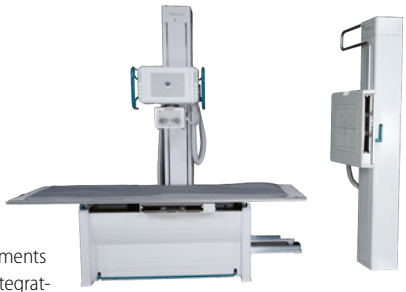| Power	Table	Table height
32 kW – 80 kW	Floor mounted	Adjustable

Highlights

• Compact X-ray units ensuring application versatility and operational efficiency.
• X-ray tube remarkable displacements for easy execution of examinations and oblique incidences also on stretchers.
• Total safety and comfort for the patient and enhanced diagnostic results in examinations of the spine, thorax, legs, etc.
• Utmost user-friendliness also in combination with wall stands.

Protec · PRS 500 F / E

Power	Table	Table height
40 / 50 / 65 / 80 kW	Floating	58 – 88 cm

Highlights

• Compact bucky system for minimal space requirements
• Provarion HF generator integrated into table (40 – 80 kW)
• APR and AEC
• Automatic coupling device to center tube and bucky
• Including wall bucky stand; stitching as optional solution
• Table with floating carbon fiber table top
• Individual system configuration from analogue to fully digital solution
• Adjustable height with PRS 500 E

Roesys · X Fit – Film-Screen-Cassettes, CR or DR detectors

Power	Table	Table height
50 – 80 kW	Floating	550 – 850 mm

Highlights

Stable and durable metal construction developed and made in Germany. Floating table top, height adjustment, electrical brakes and rotating/swiveling tube arm.

Shimadzu · RADspeed Pro automatic

Power	Table	Table height
50 / 65 / 80 kW	Floating	53,5 – 85 cm

Highlights
- High-performance automatic general radiographic system
- Auto positioning function
- Synchronized movements
- Next generation collimator with auto-filtering function
- High-load capacity table
- Space saving installation concept

Shimadzu · RADspeed fit Plus

Power	Table	Table height
32 / 56 kW	Floating	70 cm

Highlights
- Ultra compact X-ray unit
- Heavy load capacity of floating X-ray table
- Up to 432 application programs
- Flexible positioning of X-ray tube support
- Upgradeability to a fully-fledged digital system

Shimadzu · RADspeed Pro MC

Power	Table	Table height
50 / 65 / 80 kW	Fix	53,5 – 85 cm

Highlights
- Generator with high-frequency inverter technology
- Long vertical travel of ceiling-mounted tube support
- High-load capacity table
- Space saving installation concept

Shimadzu · RADspeed Pro MF

Power	Table	Table height
50 / 65 / 80 kW	Fix	53,5 – 85 cm

Highlights
- Generator with high-frequency inverter technology
- Floor-mounted tube support
- High-load capacity table
- Space saving installation concept

Siemens Healthineers · Multix Fusion

Power	Table	Table height
55 / 65 / 80 kW	Floating	Adjustable

Highlights
- Ergonomic table with optional wireless or fixed detector
- Key components adapted from Ysio like table, tube, bucky wall stand and many more
- Automation – fast positioning with advanced tube tracking and comfortable maneuvering
- Small space requirements – fits your room and budget
- Prepared for the future – digitize your system whenever you prefer

Stephanix · RAD series

Power	Table	Table height
Up to 80 kW	Floating	Fixed / variable

Highlights
- Designed for customising to your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive touch screen generator with 864 APR available
- Floor or ceiling tubestand
- Tomography
- Compact and reliable solution
- Upgradable to DR

Bucky

Villa Sistemi Medicali · Moviplan 800

Power	Table	Table height
32 / 40 / 50 / 65 / 80 kW	Floating	Fixed / adjustable

Highlights
- Modular bucky system for general radiographic applications, muscoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities
- Available with standard or tilting chest stand
Cassette Size: 13 × 18 – 35 × 43 cm
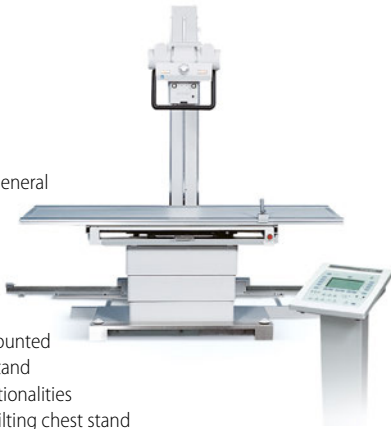
Fluoroscopy

Canon · Plessart EX8

Power	II format	CCD-matrix
80 kW	12"	1k x 1k

Highlights
The Canon Plessart EX8 is a digital remote control R / F system comprising a R / F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

Canon · Plessart Vivo

Power	II format	CCD-matrix
50 kW	12"	1k x 1k

Highlights
Canon Plessart VIVO is a remote control R / F system comprising an R / F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

Shimadzu · Flexavision series

Power	II format	CCD-matrix
50 / 80 kW	12" / 9"	1024 × 1024 × 12 Bit CCD

Highlights
- 90° / 30° Digital or analogue local R / F table
- Flexible configuration
- High reliability
- Turnable footrest
- Meets all requirements for routine R / F exams

Villa Sistemi Medicali · Apollo 4.0

Power	II format	CCD-matrix
50 / 65 / 80 kW	9" / 12" / 16"	1 k x 1 k

Highlights
- Premium remote controlled system for full clinical coverage in R / F applications
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

Villa Sistemi Medicali · Apollo EZ 4.0

Power	II format	CCD-matrix
50 / 65 / 80 kW	9" / 12"	1 k x 1 k

Highlights
- Compact and cost-effective system for all the needs of radiographic and R / F imaging
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

Mobile X-Ray

DMS Imaging · Rafale B

Power	Operation	Motorized
32 / 40 kW	Battery	Yes

Highlights

The Rafale B is a battery powered mobile X-ray unit analogic. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms. For precise positionning, motor assisted fine positioning adjustements are possible from the tube head and the entire unit moves millimeter by millimeter.
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 320 mAs

DRgem · Jade – Portable radiography system

Power	Operation	Motorized
4 kW	–	No

Highlights
- Portable radiography system
- Convenient and intuitive operation
- 110 ~ 240 VAC (free voltage) input
- 40 ~120 kV, 10~ 100 mA
- Includes manual collimator
- Three-way control (main body, control console, and remote control)
- Preprogrammed APR data and user-programmable APR
- Simple, collapsible mobile stand with external console
- USB external interface, with Bluetooth or DR interface options

Examion · X-R Mobile Pro 320

Power	Operation	Motorized
32 kW	Battery	Yes

Highlights

The X-R Mobile Pro 320 is a battery powered X-ray system that meets all the needs of the hospital.
- Easy maneuvering and positioning
- Swiveling column
- Telescopic arm optional
- Compact
- Affordable price

GE Healthcare · Traveller

Power	Operation	Motorized
32 kW	Mains	No

Highlights
- Cost-effective. Simple. Powerful.
- Rotatable tripod for fast and flexible positioning
- Application flexibility through dose level selection, organ automatic and two focus sizes
- Low maintenance due to battery-free operation

Shimadzu · MobileArt eco

Power	Opertion	Motorized
12.5 kW	Mains	No

Highlights
- Telescopic arm
- Easy positioning
- Wide coverage
- Compact design
- kV Range: 40 – 125 kV
- mAs Range: 0.32 – 320

Shimadzu · MobileArt Evolution MX7

Power	Operation	Motorized
12.5 / 32 kW	Battery	Yes

Highlights
- Superb image quality
- Easy handling
- User-friendly design
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs
- kV Range: 440 – 133 kV
- mAs Range: 0.32 – 320

Mobile X-Ray

Siemens Healthineers · Polymobil Plus

Power	Operation	Motorized
16 kW / 20 kW	Mains	No

Highlights
- Powerful entry level analogue mobile X-ray system
- High image quality due to high power output and a minimum exposure time down to 4 ms
- Easy handling and maneuverability based on a lightweight and compact system design
- High reliability

Siemens Healthineers · Mobilett XP Hybrid

Power	Operation	Motorized
30 kW	Mains / Battery	Yes

Highlights
- Advanced analogue mobile X-ray system
- Excellent image quality due to extremely short exposure times down to 1 ms
- Easy mobility and effortless positioning based on a lightweight and compact design, and an articulated swivel arm
- Remarkable user comfort, supported by self-explaining functionality, to ideally support the daily routine
- Operation from both battery and mains power and motor assisted traveling

Stephanix · Movix Series

Power	Operation	Motorized
20 / 32 / 40 / 50 kW	Battery / Mains	Yes

Highlights
- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 492 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time
- mAs Range: Up to 500 mAs
- kV Range: Up to 150 kV

SternMed · Xenox M90

Power	Operation	Motorized
30 / 40 kW	Mains	Yes

Highlights
- Rotating anode with 3,000 rpm
- 43 × 43 cm Rad field
- Six cassettes storage
- Touch screen 10.4" TFT display
- Collimator with laser pointer and pediatric filter
- Big rear wheels ø 43.5 cm can easily overcome small obstacles
- Motor driven
- Li-ion batteries for exposure up to 6,000 mAs

kV Range: 0.1 to 320 mAs
mAs Range: 40 – 125 kV

Villa Sistemi Medicali · Visitor T4

Power	Operation	Motorized
4 kW	Mains	No

Highlights
- Cost-effective mobile unit granting compactness and ease of use
- Suitable for most examinations performed in plaster rooms and health screenings contexts
- Compact and lightweight design for easy handling
- kV Range: 40 – 110
- mAs Range: 0.2 – 250

Villa Sistemi Medicali · Visitor T30C

Power	Operation	Motorized
32 kW	Mains	No

Highlights
- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel
- kV Range: 40 – 125
- mAs Range: 0.1 – 220

Villa Sistemi Medicali · Visitor T30M

Power	Operation	Motorized
32 kW	Battery	Yes

Highlights
- Motorized mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- kV Range: 40 – 125
- mAs Range: 0.1 – 320

Villa Sistemi Medicali · Visitor T30R

Power	Operation	Motorized
32 kW	Mains	No

Highlights
- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact design for a high maneuverability of the unit
- ± 90° arm rotation for increased flexibility of X-ray tube positioning
- APR anatomic mode
- User friendly control panel
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- kV Range: 40 – 125
- mAs Range: 0.1 – 220

Accessories / Complementary Systems

I.A.E. · C20

Highlights
- A new compact lightweight housing, specifically designed for mobile equipment.
- A low weight, less than 8.5 kg, combined with compact dimensions, 116 mm diameter and 342 mm length, allows significant reductions in the equipment supporting structures.
- A range of tube inserts up to 54 kW peak radiographic power at high rotation speed is available for this unit.

Protec Bucky series

Highlights
- Outstanding compatibility with X-ray tables, wall stands and U-arm of various brands
- High cost effectiveness due to continuation of use of existing grids and AEC chambers
- All established detector types are supported
- Suitable for cassettes / detectors of different dimensions
- Perfectly prepared for simple realisation when upgrading an existing analogue system to a fully digital DR
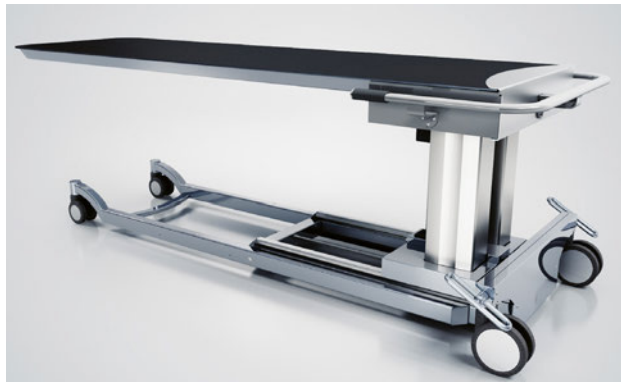
Protec · Prognost XP-series

Highlights
- Mobile patient table to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Fixed table height or elevating with floating carbon fibre table top
- Elevating versions with line connection or battery powered
- Power: Line or battery
- Table: Fixed or adjustable height (optional), carbon fiber table top

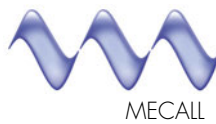## Roesys · X Mobil Q – Mobile table for U- or C-arm X-ray

Highlights
Mobile X-ray table with single sided floating carbon table top and optional height adjustment without disturbing cables by battery operation with optional wireless switch.

R/F Digital

CR
DR
DR Retrofit
Portable DR
Mobile DR
Flatpanel Fluoro
Dental
DXA
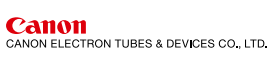Accessories /
Complementary Systems

AGFA HealthCare

Canon

Canon
CANON ELECTRON TUBES & DEVICES CO., LTD.

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DRGEM
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DUNLEE

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X-Ray Systems · Digital Imaging · Service

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SIEMENS
Healthineers

roesys
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SIUI
See the future

STEPHANIX
MEDICAL IMAGING SOLUTIONS

Swissray

TECHNIX

VILLA

CR

Agfa HealthCare · CR 10-X

Slots	Capacity	Resolution
1	34 Plates / h	10 Pixel / mm

Highlights
- Affordable CR solution that makes no compromises in image quality
- For a convenient and fast workflow
- Robust, yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Networking capabilities deliver seamless integration
- Cassette size: 35 × 43 cm

Agfa HealthCare · CR 12-X

Slots	Capacity	Resolution
1	Up to 78 Plates / h	5 -10 Pixel / mm

Highlights
- Affordable CR system offering high image quality
- Customer-chosen optimal workflow
- Robust, yet easy to install and maintain
- Suited for mobile applications
- Networking capabilities deliver seamless integration
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

Agfa HealthCare · CR 15-X

Slots	Capacity	Resolution
1	102 Plates / h	5 – 10 Pixel / mm

Highlights
- Affordable for a broad range of applications
- Convenient and fast workflow, with usercontrollable speed and resolution
- Robust yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Highly versatile, compact CR 15-X offers an ideal solution fordecentralised hospital environments, clinics and private practices.
- Size: 580 × 700 × 471 mm (w × d × h)

Agfa HealthCare · CR 30-Xm*

Slots	Capacity	Resolution
1	82 Plates / h	10 – 20 Pixel / mm

Highlights
- Tabletop digitizer
- Broad range of applications: mammography, general radiography, orthopaedics, chiropractic, dental and FLFS
- No quality compromises
- Horizontal cassette insertion
- Low total cost of ownership
- Mobile use
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

CR 30-XM not available in the US & Canada

Agfa HealthCare · DX-M*

Slots	Capacity	Pixel size
1 – 5	83 Plates / h	6,7 – 20 Pixel / mm

Highlights
DX-M: Mixed to perfection
- Next-generation CR digitizer
- NIP and PIP detectors for general radiography and mammography
- Superb image quality and potential for dose reduction
- Five cassette drop-and-go buffer
- Small footprint
- Musica Image Processing
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

* DX-M with CR Mammography application is not available in the US

Examion · X-CR Tabletop Sigma

Slots	Capacity	Pixel size
1	60 Plates / h	87.5 µm / 175 µm

Highlights
The X-CR Tabletop Sigma is the most universal solution available for digital X-ray images with superior image quality. It is compact, lightweight and extremely robust.
- Cassette size: 18 × 24 cm – 35 × 43 cm
- High resolution mode with 87.5 µm pixel size
- Reading time up to 60 cassettes (35 × 43 cm) per hour
- Reliable performance and affordable price

CR

Konica Minolta · Regius 210

Slots	Capacity	Pixel size
1	100 Plates / h	175 µm / 87.5 µm / 43.75 µm

Highlights
- High performance dual bay reader
- Outstanding image quality in both general X-ray and mammography
- Low dose imaging for paediatric use
- Use with standard cassettes and CsI cassettes (CP-1M, CP-1S)
- Cassette size: From 18 × 24 cm to 35 × 43 cm

Konica Minolta · Regius 110 HQ

Slots	Capacity	Pixel size
1	80 Plates / h	175 µm / 87.5 µm / 43.75 µm

Highlights
- Highy quality mammography read function
- Easy to operate and maintain
- Powerful compact reader with linear motor technology
- Use with standard cassettes and / or mammography cassettes
  Cassette size: From 18 × 24 cm to 35 × 43 cm

Konica Minolta · Regius Sigma II

Slots	Capacity	Pixel size
1	60 Plates / h	87,5 / 175 µm

Highlights
- Only 28 kg
- Foot print only 0.31 m^2
- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Environmentally friendly with an energy consumption of max. 100 VA
- Cassette size: From 18 × 24 cm to 35 × 43 cm

DR

Agfa HealthCare · DX-D 300

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI / GOS	<150 µm

Highlights
- Universal modality
- Single DR detector
- "Musica processing" provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Integrated software for generator and positioner interface
- Complete versatility with optional CR / DR combination
- Motorized positioner
- Floor mounted

Agfa HealthCare · DR 400 (floormounted)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	<150 µm

Highlights
- Cassette size bucky can rotate from landscape to portrait
- Build-in Dose Area product meter (optional)
- Scalable, flexible and affordable modality
- Flexible configurations and options for most needs
- Supports CR and DR integration
- Requires limited space (4 × 2 m)
- "Musica processing" provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow

Agfa HealthCare · DR 600 (ceiling suspended)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	<150 µm

Highlights
- Excellent user-friendly 10 inch tube head display with preview image
- Detector CsI technology with dose reduction potential
- Tilting wallstand bucky with vertical tracking, holders for patient convenience and colli-mator light switch
- High-productivity, top-of-the-line, direct radiography system with motorized auto-positioning.
- "Musica processing" provides superior contrast detail and consistent, exam independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Automatic versions support DR detectors in the wall stand and table with optional additional integrated CR

DR

GMM · Kalos – Powered by Canon DR

Power	Detector type	Pixel size
65 / 80 kW	CsI	125 µm

Highlights

Next generation High End solution for all radiographic applications

- Optimal workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Smart Automatic positioning and Smart tracking
- Motorized support for easy positioning
- Fixed tabletop, no patient movement
- Integrated with Canon detectors
- Canon NE acquisition software with generator integration
- Motorized, height adjustable table with fixed table top

NRT · Adora DRi – Powered by Canon DR

Power	Detector type	Pixel size
65 kW	CsI	125 µm

Highlights

Next generation high-end DR solution for all radiographic applications

- Intelligent workflows for high volume patient throughput
- APR auto-positioning with up to 999 positions
- Lateral examinations without repositioning of the patient
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- State-of-the-art ergonomics
- Table: Motorized, carbon fiber, floating top with 340° rotation

Arcoma · Precision – Powered by Canon DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights

High End solution for all radiographic applications

- Optimised workflow for high volume patient throughput
- Smart Automatic Positioning
- Fully Automatic Image Stitching
- High efficiency with RIS-integrated workflow
- Advanced 6-way Patient Table with motorised adjustment and motorised detector tracking
- Tubehead display allows access to a variety of examination information
- Motorized height adjustable with floating tabletop

Stephanix · D2RS – Powered by Canon DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	160 µm

Highlights

Unrivalled 3-in-1 solution for radiography and fluoroscopy

- Uncompromised direct digital radiography and fluoroscopy
- Motorized auto-positioning, dose reduction features
- Head-to-toe patient coverage
- "Smart access" table position for easy patient transfer
- Variable table height, variable SID for all clinical examinations (max. 180 cm)
- Table: –25 / +90 degrees
- Customizable pediatric protocols

Arcoma · Intuition – Powered by Canon DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights

Versatile solution for all radiographic applications

- Optimized workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual Alpha, Beta, X- and Y-movement
- Motorized Z-movement for easy positioning
- Floating tabletop
- Smart Chest and Table detector tracking
- Acquisition station with large DICOM calibrated touch screen display
- Easy to fit in low ceiling X-ray rooms
- Table: Motorized height adjustable with floating table top

Canon · Aceso+

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights

Aceso+ represents the optimum combination of 4th generation auto-positioning technology with ergonomic design. The result is an advanced digital radiographic system that creates an efficient workflow and maximizes patient throughput. Featuring advanced applications like auto-stitching, Aceso+ is the optimal solution to all your imaging needs.

Canon · Aceso

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
The Aceso is a unique combination of proven technology that creates an elite, yet cost-effective, DR imaging solution to a wide variety of clinical needs. The Aceso can be installed in both the tallest and shortest of rooms. Our unique ceiling wagon provides unsurpassed usable stroke for high ceiling heights while the CUBE solution allows the system to be installed in rooms with ceilings as low as 2,5 m without requiring ceiling support infrastructure.

Canon · Adora DRi

Power	Detector type	Pixel size
65 kW	CsI	125 µm

Highlights
Next generation high-end DR solution for all radiographic applications
• Intelligent workflows for high volume patient throughput
• APR auto-positioning with up to 999 positions
• Lateral examinations without repositioning of the patient
• Motorized manual handling using SmartHandle joystick
• Intuitive, icon-based user controls at the tube head
• State-of-the-art ergonomics
• Table: Motorized, carbon fiber, floating top with 340° rotation

Canon · Easy DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
Versatile solution for multipurpose examinations
• Multipurpose floor mounted X-Ray system
• Suitable for mobile installations (i. e. truck or container)
• Retractable anti-scatter grid
• Vertical and horizontal positioning of the U-arm
• Acquisition station with DICOM calibrated touch screen display
• Asymmetrical diaphragm, specially designed for Thorax examinations
• Optional low-power consumption X-Ray Generator

Canon · Trauma DR Plus

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
Versatile solution for trauma applications
• Fast and efficient workflow
• Easy manual positioning with motorized support for Z-movement
• Large open workspace with a fixed focus-detector distance of 135 cm
• Integrated cable management
• C-Arm dept of 55 cm
• Integrated Dose Area Product Meter (DAP)
• Acquisition station with large DICOM calibrated touch screen display

DMS Imaging · Camargue HQ DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI / Gadox	140 µm / 160 µm

Highlights
The Camargue series was designed to ensure the best radiographic performance.
Several model are available:
• Manual ceiling suspension
• Auto tracking
• Fully motorized, five axes
• Variable height table
Different configuration available with:
• Only one portable detector wifi for table & VBS
• One portable detector wifi & flat panel detector
• Two flat panel detectors
• Detector size: 36 × 43 cm (Wifi) / 43 × 43 cm, 41 × 43 cm (Fix)

DRgem · Full Auto Positioning Ceiling System (GXR-SD Series)

Power	Detector type	Pixel size
52 / 68 / 82 kW	GOS / CsI	139 µm

Highlights
• Premium ceiling system for high-end market
• High efficiency with optimized work-flow
• Patient safety with various sensors
• Multiple image stitching for stand and table
• Advanced elevating table with high patient load up to 300kg
• Tube stand touch screen console for system, collimator, X-ray control and X-ray preview
• Options include AEC, carbon tabletop
• Detector format: 17 × 17″ / 17 × 14″, wired / wireless

DR

DRgem · Essential Ceiling System (GXR-SD Series)

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	GOS / CsI	139 µm

Highlights
- Highly customizable DR ceiling system
- Ergonomic design for smooth movements and optimized work-flow
- Intuitive direction movement indicator and user-friendly interface
- Elevating or floating table with high patient load up to 300kg
- Integrated lock function
- Options include AEC, carbon tabletop, dual speed rotor and premium upgrade
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · Floor Mounted System (GXR-SD Series)

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	GOS / CsI	139 µm

Highlights
- Premium floor mounted system
- Auto-synchronization and auto-bucky tracking function
- Tube stand touch screen console for system, collimator, X-ray control and X-ray preview
- Elevating or floating table
- Options include AEC, carbon tabletop, dual speed rotor and premium upgrade
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · Diamond (U-arm Type)

Power	Detector type	Pixel size
52 / 68 / 82 kW	GOS / CsI	139 µm

Highlights
- All-in-one digital radiography system
- Fully automatic digital radiography system
- High-resolution removable grids and AEC
- Touch screen controller at system
- Mobile patient table, remote control
- Automatic X-ray collimation and system positioning
- Safety sensor
- Detector format: 17×17", wired

DRgem · VXR

Power	Detector type	Pixel size
32 / 40 kW	GOS / CsI	139 µm

Highlights
- Analogue / digital veterinary radiography system
- Capacitor-driven generator available
- 1,200 / 1,400 / 1,800 × 700 mm tabletop
- 2 or 4way movement
- High-quality wireless FPD for DR System
- Buckle fastener for animals
- Touch-screen control console for DR system
- Simple, intuitive user interface
- Easy cleaning with moving rack for generator
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · DR System for Chest and Chiropractic

Power	Detector type	Pixel size
32 / 40 / 52 kW	GOS / CsI	139 µm

Highlights
- Compact radiography system for clinic
- Motorized vertical synchronization with wall stand
- Image stitching for whole body
- Vertical synchronization tube with bucky
- UPS or capacitor generator is recommended solution for this model
- Detector format: 17×17" / 17×14", wired / wireless
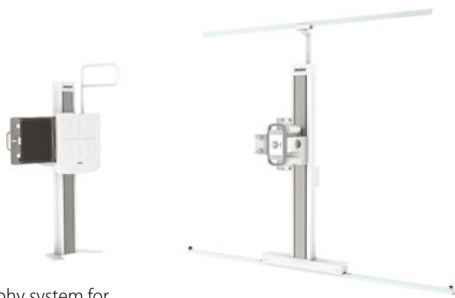
Examion · X-DRS Ceiling Standard

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / CsI	100 – 175 µm

Highlights
The Examion ceiling-suspended X-ray systems meet all hospital's requirements.
- Detector size: 10 × 12" – 17 × 17"
- High quality images
- Well proven system
- Manual or motorized tube support
- Low maintenance effort
- Affordable price
- Option for long leg images

Examion · X-DR Static Z-Arm or U-Arm

Power	Detector type	Pixel size
50 kW	a-Si / CsI	100 – 175 µm

Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.
• Detector size: 17 x 17"
• Ideal for small rooms and low ceilings
• Easy positioning due to direct coupling of detector and tube
• Low maintenance effort
• Affordable price

Fujifilm · FDR Smart X

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	CsI / GOS	150 µm

Highlights

• Fujifilm's outstanding Console Advance acquisition workstation and generator control console integrated into a single PC, allowing full streamlined operation in a single GUI.
• Synchronization between the movement of the X-ray tube and radiography stand/table makes positioning easier, enhancing radiography workflow and reducing the time the patient is kept in the X-ray room.
• mAs Range: 0.1-500 mAs
• Timer Range: 0.001 to 10 sec

GE Healthcare · Discovery XR656 HD

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si	100 µm

Highlights

• High productivity through complete motorization
• Excellent image quality for diagnostic precision through HELIX
• FlashPad HD detectors in two sizes for high quality low dose images
• Work facilitation through time-saving automated functions
• Various options available

GE Healthcare · Discovery XR646 HD

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si	100 µm

Highlights

• Universally applicable, high load-bearing capacity and robustness
• Flexible 3D tube ceiling tripod with tracking control
• Excellent image quality for diagnostic precision through HELIX
• FlashPad HD detectors in two sizes for high quality low dose images
• Various options available

GMM Group · Calypso – Multifunctional DR system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights

• Ceiling suspended-double detector system
• Enhanced Direct digital radiology in Trauma, ER, routine and specialized examinations.
• Fully automatic, preset for two fixed or WiFi detectors.
• Adjustable height examination table for easy and safe patient positioning.
• Exclusive interlocking technology ensuring automatic alignment of the X-ray source to the detector movement.
• Advanced digital system with optional stitching
• Table: Adjustable height

GMM Group · Calypso F – Multifunctional DR system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights

• Floor fixed system with double detector
• User-friendly solution for direct digital radiology.
• Adjustable height examination table floating in the four directions.
• X-ray tube column stand sliding on rails combined with examination table and wall stand.
• Column stand rotation around its vertical axis for an easy and safe execution of lateral projections.
• Advanced digital system for image acquisition and processing.
• Detector size: 35 × 43 cm / 43 × 43 cm

DR

Intermedical · Submarine – DR System

Power	Detector type	Size
50 / 65 / 80 kW	fixed / portable, single / double	35 × 43 cm wifi, 43 × 43 cm fixed

Highlights

A highly integrated system ensuring high quality diagnostic results in traumatology, emergency, routine and specialized examinations.
- Easy APR auto-positioning
- Detector tracking in all directions
- Fully automatic image stitching
- Generator Power up to 80 kW
- DELUXE processing provides outstanding image quality
- Fast and efficient workflow
- Full Dicom

Konica Minolta · AeroDR X60

Power	Detector type	Pixel size
65 – 80 kW	CsI	175 µm

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive AeroNAV console
- Detector size: 14 × 17" / 17 × 17" / 10 × 12"

Konica Minolta · AeroDR X70

Power	Detector type	Pixel size
50 – 80 kW	CsI	175 µm

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive CS-7 console
- Can be installed in rooms with a minimal height of 2.5 metres
- Detector size: 14" × 17" / 17" × 17" / 10" × 12"

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Mecall – GMM Group · Kalos

Power	Detector type	Pixel size
65 – 80 kW	a-Si	125 – 148 µm

Highlights
- Advanced elevating table with detector floating in the longitudinal and lateral directions
- Automatic alignment of the detector with the X-ray beam
- Useful radiographic area > 2 m including lateral projections
- Auto positioning features driven by anatomical programs
- Advanced image processor fully integrated into ceiling suspension touch screen
- Detector size: 43 × 43 cm / 35 × 43 cm / 24 × 30 cm

Mecall is a GMM Group brand.

Mindray Medical · DigiEye 280 DR system

Power	Detector type	Pixel size
30 kW / 50 kW	CsI	140 µm

Highlights
- Integrated high voltage generator design
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- Limited installation requirement
- Flexible configuration with portable detector
- Detector size: 35 × 43 cm

Mindray Medical · DigiEye 760 Pro DR system

Power	Detector type	Pixel size
50 kW / 65 kW	CsI	143 µm

Highlights
- Compact and low-cost-efficiency ceiling suspending DR system
- More flexible configuration of output and patient table
- Wire / wireless FPD with different sizes
- More efficient parallel exam mode
- High image quality at low dose
- Panoramic Imaging Technology

Primax International · Primo – SPL HF

Power	Detector type	Pixel size
4 / 8 kW	a-Si / CsI	148 µm

Highlights
- Suitable for any outdoor application (emergencies, countryside, military issues...)
- Foldable and easy to transport in suitcases
- Lightweight innovating WIFI portable detector for free projections
- Complete Portable and touch screen acquisition Station
- Intuitive images export via USB port
- KV Range: Up to 125
- mAS Range: Up to 250

DR 800
Multitool of Digital Imaging

A single investment for radiography, fluoroscopy and advanced clinical applications

In your imaging environment, you have the right to expect more from your equipment investments.

With the DR 800, we push versatility to the limit. Robust and reliable, it can handle radiography, a full range of fluoroscopy exams, and advanced clinical applications.

The Dynamic MUSICA image processing software - for both static and moving images - processes fluoroscopic images with the same high quality and low dose features.

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DR

Protec · PEDS 600

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	127 μm

Highlights
- DR-System with digital flat panel detector
- Detector size: max. 43 × 43 cm
- Provario HF generator (40 – 80 kW)
- Anatomical programs and AEC
- Variable SID 110 – 200 cm
- Rotatable U-arm – 30° up to +135°
- Rotatable DR-detector
- System operation, control of generator and software applications combined in one console

Protec · PRS 500 F (Touch option)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	127 μm

Highlights
- Integrated state-of-the-art touch concept
- Detector size: max. 43 × 43 cm
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control at integrated touch-screen
- First preview at the system immediately after the exposure
- Outstanding ease of use due to ideal workflow, simple handling and the selection of the patient at the X-ray system directly

Protec · PRS 500 E (Touch option)

Power	Detector type	Pixel size
40 – 80 kW	CsI / GOS	127 μm

Highlights
- Detector size: max. 43 × 43 cm
- Provario HF generator integrated into the table
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Adjustable height combined with undertable generator
- Fully digital DR-System with flat panel detector technology, different configurations from single to dual detector systems

Protec · PRS 500 X (Touch option)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	127 μm

Highlights
- Easy system handling and positioning due to its optimum weight counterbalance concept
- Detector size: max. 43 × 43 cm
- Maximum flexibility and workflow efficiency
- Fully digital X-ray generator connection by Conaxx image acquisition software
- Outstanding variability and extensibility in case of changing application requirements (e. g. upgrading with extended floor-rail)
- Also available as TouchVersion (see PRS 500 F / E)

Protec · PRS 500 B

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	139 / 150 μm

Highlights
- Motorized X-ray system with auto-tracking function
- Detector size: max. 43 × 43 cm
- Trend-setter for radiological centers, clinics and hospitals
- Integrated sophisticated autotracking functions – the system enables the user a comfortable, fast and efficient daily workflow
- 360° rotation of the entire X-ray tube stand for a maximum of application flexibility
- Fully digital auto stitching

Protec · PRS 300 VET Touch

Power	Detector type	Pixel size
2.4 – 32 kW	CsI / GOS	139 / 150 μm

Highlights
- Fully digital all-rounder for any veterinary
- „Hybrid" solution for mixed practices: mobile generator (up to 5 kW) can be easily removed for onsite examinations
- Stationary X-ray solution for small animal practices and clinics, powerful 32 kW generator
- Touch monitor direct at the system, allows user friendly operating while acquisition and diagnosis

Roesys · X Twin – Robotic X-ray DR system with auto tracking

Power	Detector type	Pixel size
50 – 80 kW	Csl / 43 × 43 cm²	100 µm – 143 µm

Highlights

Easy installation on the floor, unique two column design for lateral exami-
nation, six axis motorized movement, options for stitching, bed exams and
dynamic imaging.

Shimadzu · RADspeed Pro Edge

Power	Detector type	Pixel size
50 / 65 / 80 kW	Csl / GOS	150 µm

Highlights

- High-performance digital
  radiographic system with
  extended functionality
- Tomosynthesis
  (Digital multi-slice tomography)
- Auto-stitching (Speed Stitch function)
- Dual Energy Subtraction
- Auto-positioning
- Innovative flat panel detectors for
  increased versatility
- Low dose collimator
  with auto-filtering feature
- Size: 43 × 43 cm integrated,
  43 × 35 cm portable

Shimadzu · RADspeed Pro DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	Csl	100 / 125 / 175 µm

Highlights

- Flexible choice of differ-
  ent flat panel detectors
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" × 17" (43 × 42 cm)
  14" × 17" (35 × 43 cm)
  9" × 11" (23 × 28 cm)

Siemens Healthineers · Multitom Rax

Power	Detector type	Pixel size
65 / 80 kW	a-Si / Csl	148 µm

Highlights

- The world's first
  Twin Robotic X-ray scanner
- Streamlined clinical pathways
  while improving diagnostic
  insights and treatment
- Offers a multitude of X-rays – in just one room
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Detector size: 43 × 43 cm (RAX detector), 35 × 43 cm (MAX wi-D),
  24 × 30 cm (MAX mini)

Siemens Healthineers · Ysio Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / Csl	148 µm

Highlights

- Streamline workflows with
  unique automation for fast,
  simple and safe positioning
- Standardize outcomes to
  obtain consistently high image quality for all patients
- Tailor the modular system to precisely meet your requirements
- The Max effect: Combine with other Max systems for additional benefits in
  standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector), 35 × 43 cm (MAX wi-D),
  24 × 30 cm (MAX mini)

Siemens Healthineers · Multix Fusion Max

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / Csl	148 µm

Highlights

- Fast, high-quality results –
  easy positioning with tube
  tracking and Max image
  quality
- Low costs over lifetime –
  in-tray detector charging and sharing over multiple Max systems
- Consistent performance – high-quality components adapted from Ysio Max
- Ortho Fusion – for long leg and long spine images
- The Max effect: Combine with other Max systems for additional benefits in
  standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector), 35 × 43 cm (MAX wi-D),
  24 × 30 cm (MAX mini)

DR

Siemens Healthineers · Multix Select DR

Power	Detector type	Pixel size
55 kW	aSi / GOS	139 µm

Highlights
- Robust mobile flat detector to cover the full spectrum of clinical applications
- Imaging system from Siemens Healthineers' high-end product line (e.g. Ysio Max, Multix Fusion) enhanced by DiamondView Plus
- Intelligent automation with organ preset programs to speed setup and improve reproducibility
- High system reliability and availability
- Economical minimum space requirement of only 11 m² with an integrated generator
- Detector size: 35 × 43 cm

Siemens Healthineers · Multix Impact

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-SI/Csl	148 µm

Highlights
- Latest floor-mounted radiography machine (first shown at RSNA 2018)
- High-end technology at an economical price to improve access to care
- Free-floating flat table top for comfortable, accurate patient positioning
- Tube touchscreen keeps staff close to patients
- Intuitive imaging software and system handling, Positioning Guide, and optional motorization and tracking functions
- Fast digital imaging cycles, preset organ programs, and rapid image flavor adjustments
- Detector size: 35 × 43 cm (MAX wi-D), 35 × 43 cm (Impact wi-D)

Stephanix · RAD Series Pro DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

Highlights
- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities
- Detector: Fixed and wireless solutions
- Up to three Flat Panel Detectors, indirect conversion

Stephanix · Xtreme DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

Highlights
- Manual, vertical tracking or autopositioning version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities
- Detector: Fixed and wireless solutions
- Up to three Flat Panel Detectors, indirect conversion

Stephanix · Statif Pro DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

Highlights
- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless remote
- Automatic positioning, collimation, filtration, parameters
- Table: Optional carbon or elevating tabletop, on wheels

Stephanix · Statif DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

Highlights
- Multipurpose DR solution for small budgets
- It can be dedicated to chest and extremities examinations
- Low footprint for wide range of procedures at standing, sitting or lying patient
- Manual or motorized (SID and vertical movement)
- User-friendly interface
- Table: Optional carbon or elevating tabletop, on wheels

Swissray · ddRAura U

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 / 139 µm

Highlights
- Unlimited APS –
  Automated Positioning System
- Detector size: 43 × 43 cm
- Image display in 3 seconds
- 9.7" tube mounted touchscreen interface
- Single or dual detector options
- Off detector / Off center imaging
- Wireless handheld remote control or footswitch
- Small footprint
- Single focus stitching option

Swissray · ddRAura S

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 / 139 µm

Highlights
- Multifunctional system for all radiography examinations
- Detector size: 43 × 43 cm
- Motorized height and SID adjustment
- Effortless manual rotation of straight-arm, detector and tube
- Perfect solution for high throughput chest screening programs
- Various generator power incl. energy assist
- Touch screen workstation with unlimited APR programs
- Multi language capability
- Robust design, maintenance friendly
- Fits into very small examination rooms

Swissray · ddRAura OTC / APS

Power	Detector type	Pixel size
50 / 65 / 80kW	a-Si / CsI	148 / 139 µm

Highlights
- Automated Ceiling suspension DR-System
- Advanced robotics for automated system positioning
- Detector size: 43 × 43 cm / 35 × 43 cm
- Tube side 9.7" touch screen for procedure selection, system positioning, generator control and image preview
- Intuitive workflow optimized user interface
- Customizable fixed or wireless detector option
- Detector sharing option within ddRAura products
- Single Focus Stitching feature
- Multi language capability

Swissray · ddRAura FMTS

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 / 139 µm

Highlights
- Multifunctional Bucky table system with fixed or motorized height adjustment
- Detector size: 43 × 43 cm / 35 × 43 cm
- Effortless movements for precise positioning
- FollowMe feature provides tracking to table and wall stand
- Exceptional low X-ray beam for standing exams
- Single or multi detector capability
- Touch screen workstation with unlimited APR programs
- Manual single focus stitching option
- Multi language capability

Villa Sistemi Medicali · Armonicus

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	143 µm

Highlights
- Cost-effective DR U-arm system for extended use, including general radiographic and orthopedic studies
- Easy patient positioning via APR functions
- Auto-positioning capabilities according to RIS procedure codes
- Touch screen control panel, secondary keyboard and infrared remote control as standard
- Variable Source to Image Distance up to 180 cm
- On-board parking station for two grids
- Detector size: 43 × 43 cm

Villa Sistemi Medicali · Moviplan iC with ceiling suspension

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	100 µm / 143 µm

Highlights
- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tilting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions
- Detector size: 35 × 43 cm / 43 × 43 cm

DR

Villa Sistemi Medicali · Moviplan iC with floor-mounted column

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	100 µm / 143 µm

Highlights
- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions
- Detector size: 35 × 43 cm / 43 × 43 cm

DR Retrofit

Agfa HealthCare · DR 17e detector

Size	Detector type	Pixel size
17 × 17"	CsI / GOS	140 µm

Highlights
Wireless, high resolution full-field AED detector works with virtually any conventional or mobile
- "Musica processing" for excellent contrast detail and exam-independent, consistent image quality
- Convenient size and light weight provide optimal convenience and portability, for all Genrad examinations
- Easier patient positioning enhances workflow
- High DQE and optimal pixel size, for low dose examinations
- Improved workflow and examination speed

Agfa HealthCare · DR 14s detector

Size	Detector type	Pixel size
14 × 17"	CsI	125 µm

Highlights
- Extremely long battery autonomy of up to eight hours
- "Musica processing" for excellent contrast detail & exam-independent, consistent image quality
- Choice of Cesium Iodide (CsI) or Gadolinium Oxy-Sulphide (GOS) detector scintillator
- Improved workflow & examination speed
- Lightweight, small, high resolution Automatic Exposure Detection (AED) detector
- Offers optimal convenience & portability
- High DQE & optimal pixel size, for low dose examinations
- Easy to clean & disinfect
- Size: 46 × 38.4 × 1.5 cm

Agfa HealthCare · DR 14e detector

Size	Detector type	Pixel size
14 × 17"	CsI / GOS	140 µm

Highlights
Wireless, high resolution full-field AED detector works with virtually any conventional or mobile
- "Musica processing" for excellent contrast detail and exam-independent, consistent image quality
- Convenient size and light weight provide optimal convenience and portability, for all Genrad examinations
- Easier patient positioning enhances workflow
- High DQE and optimal pixel size, for low dose examinations
- Improved workflow and examination speed

Agfa HealthCare · DR 10s detector

Size	Detector type	Pixel size
10 × 12"	CsI / GOS	148 µm

Highlights
- Lightweight, high resolution Automatic Exposure Detection (AED)
- Offers optimal convenience & portability
- Easy cleaning & disinfection
- Compact detector fits into incubator bucky tray
- Seamless use with virtually all X-ray systems and maximizing the use of the existing X-ray equipment
- High DQE & optimal pixel size, for low dose examinations
- Extremely long battery autonomy of up to eight hours
- "Musica processing" for excellent contrast detail & exam-independent, consistent image quality
- Size: 251.0 × 314.5 mm (10 × 12 inch) (Effective area)

Canon Electron Tubes & Devices · FDX 2530 RPW

Size	Detector type	Pixel size
25 × 30 cm	CsI / Tl	140 µm

Highlights
- Wireless compact FPD
- Incorporates our proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Automatic switching between wireless/tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Lightweight: 1.7 kg
- AED available
- Compact and lightweight battery recharger

Canon Electron Tubes & Devices · FDX 3543 RPW / FDX 4343 RPW

Size	Detector type	Pixel size
35 × 43cm / 43 × 43 cm	CsI/Tl	140 µm

Highlights
- Wireless type Portable FPD
- Incorporates our proven advanced fine CsI/Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI/Tl screen
- Standard cassette size
- Automatic switching between wireless/tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Compact and lightweight battery recharger

Canon Electron Tubes & Devices · FDX A4343R

Size	Detector type	Pixel size
43 × 43 cm	CsI/Tl	140 µm
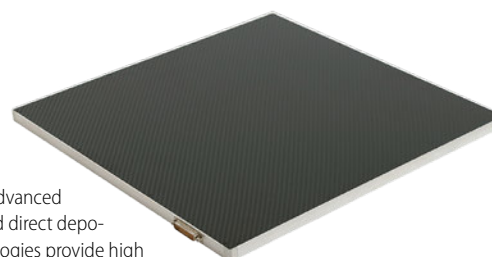
Highlights
- Our proven advanced fine CsI/Tl and direct deposition technologies provide high resolution and high contrast.
- The reflective coating in the CsI/Tl screen provides high sensitivity.
- Standard cassette size
- Prompt display of preview/full images and short cycle time enable fast image acquisition.
- Unique moisture-proof sealing method provides an extremely reliable CsI/Tl screen that is protected from degradation.
- AED available

Canon Electron Tubes & Devices · FDX 3543 RP

Size	Detector type	Pixel size
35 × 43 cm	CsI/Tl	143 µm

Highlights
- Our proven advanced fine CsI/Tl and direct deposition technologies provide high DQE and excellent resolution.
- Unique moisture-proof sealing method provides an extremely reliable CsI/Tl screen that is protected from degradation.
- Compact and lightweight for easy handling
- Standard cassette size
- Prompt display of preview/full images and the short cycle time enable fast image acquisition.

Canon Electron Tubes & Devices · FM3543S-D6T / FM4343S-D6T

Size	Detector type	Pixel size
35 × 43 cm / 43 × 43 cm	CsI/Tl	140 µm
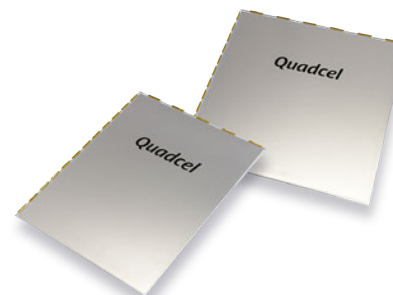
Highlights
- FPD Module(TFT Panel with CsI & IC)
- Incorporates Canon's proven advanced fine CsI/Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI/Tl screen
- World Leading Image Quality
- Fast solution for high performance in cassette-sized FPD
- Distinguished Unique FPD
- Extraordinary Performance
- Minimum cost and shortest time

Canon · DR-Upgrade-within-2-minutes

Size	Detector type	Pixel size
43 × 42 / 35 × 43 / 27.4 × 35 cm	CsI	125 µm

Highlights
Easy upgrade solution for any X-ray system in two minutes using just two components
- No connections or modifications to your existing X-ray system is necessary
- Easily add DR to any X-ray system using just two lightweight components
- Simply pick up and move to any X-ray system
- Optional integrated USB DAP Meter
- CXDI-410C/710C/810C Wireless Flat Panel Detector
- DR Upgrade within 2 minutes. Freedom within reach

Canon · CXDI-410C / 710C / 810C Wireless

Size	Detector type	Pixel size
27.4 × 35 / 35 × 43 / 43 × 42 cm	CsI	125 µm
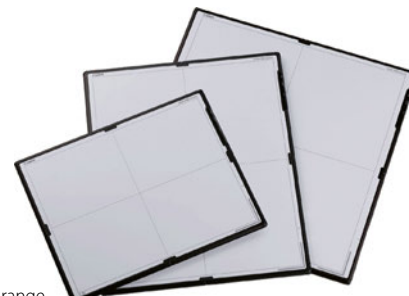
Highlights
Wireless flat panel detector range
- Ultralight wireless detectors
- Increased durability by strong carbon fiber construction techniques
- Ergonomic detector design for easy hold, easy handle and easy position
- Waterproof (IPX7)
- Docking station for detector check-in, detector battery charging and image transfer
- Equipped with on-board memory where 99 images can be stored (in stand-alone-mode)

DR Retrofit

DRgem · AcquiDR

Size	Detector type	Pixel size
43 × 36 cm / 43 × 43 cm	GOS / CsI	139 µm

Highlights
- DR retrofit solution
- Radmax acquisition workstation
- Turns any analogue X-ray system into a fully digital radiography system
- Easy to apply to any X-ray generator (AED function included)

- DICOM 3.0 compatible
- Simple installation and operation
- Optional image stitching program
- Vet software available
- Detector format: 17 × 17" / 17 × 14", wired / wireless

Examion · X-DR

Size	Detector type	Pixel size
10 × 12" / 14 × 17" / 17 × 17"	a-Si / CsI	100 – 175 µm

Highlights
Customized Retrofit solutions for stationary, mobile and portable X-ray equipment.
The right detector for any application.
- Detector: 10 × 12" / 14 × 17" / 17 × 17"
- Excellent image quality

- Perfectly matched hardware and software components
- Reliable workflow

Fujifilm · FDR D-EVO GL

Size	Detector type	Pixel size
43.2 × 124.5 cm	GOS	150 µm

Highlights
- Patented IIS technology provides low dose DR longview imaging and simplified acquisition compared to CR
- Single exposure capture and reduced acquisition time compared to multi-exposure DR
- Increased patient safety and comfort through faster exam completion and lower dose

Konica Minolta · AeroDR HQ range

Size	Detector type	Pixel size
10x12" / 14x17" / 17x17"	CsI	175 µm

Highlights
- Unique battery technology prevents overheating
- High quality images at a low dose
- Two second preview
- Durable design

- Detector size: 17 × 17", 14 × 17", 10 × 12"
- Lightweight, for light handling: 1.7 kg (10 × 12"), 2.9 kg (14 × 17"), 3.6 kg (17 × 17")

Konica Minolta · AeroDR Premium

Size	Detector type	Pixel size
14 × 17" / 35 × 43 cm	CsI	175 µm

Highlights
- Portable Digital X-ray Detector
- Lightweight, only 2.6 kg
- Improved cycle time for increased throughput
- Robust: surface load of 300 kg
- AED – Hybrid detection technology
- Waterproof IPX6, this makes the detector suitable for more extreme environments
- Konica Minolta's unique capacitor technology: quick charging (30 minutes), no overheating

Konica Minolta · AeroDR 2S

Size	Detector type	Pixel size
14 × 17" / 35 × 43 cm	CsI	175 µm

Highlights
- Portable Digital X-ray Detector
- Konica Minolta's lightest 14 × 17" detector on the market at just 2.5 kg
- Robust, IPX6 waterproof, carbon monocoque housing
- Full image acquisition within four seconds only
- Charging time of only 13 minutes
- AeroSync

Konica Minolta · AeroDR HD

Size	Detector type	Pixel size
14 × 17"	CsI	100 µm

Highlights
- Portable Digital X-ray Detector
- Pixel size: 100 µm – High Definition
- Able to display micro structures
- Better visibility of bone trabecular
- No "pixel shape" when zooming in
- Lightweight for easy handling: 2.6 kg
- Load resistance of 400 kg
- 130 kg bending resistance
- Two second preview
- Waterproof IPX6

medigration · DR Retrofit-Kit DX|Vision

Size	Detector type	Pixel size
35 × 43 cm	a-Si / CsI	148 µm

Highlights
Wireless, portable detector with WLAN and Battery
- Easy integration into an existing X-ray system
- 100 % touch-capable user interface
- Cordless and lightweight wireless flat panel detector
- For the use with mobile X-ray systems
- Auto-trigger mode (AED function) – No need to synchronise with the generator
- Excellent image quality through an integrated operating program with HARMONY image processing
- Detector format: 35 × 43 cm

DR Retrofit

Protec · RAPIXX tethered / Mobile detectors

Size	Detector type	Pixel size
43 × 36 cm / 43 × 43 cm	CsI / GOS	127 µm

Highlights
- Detector size:
  43 × 36 cm / 43 × 43 cm
- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Predestined for simple Retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette (ISO 4090 compliant)
- High shock tolerance portable flatpanel detector
- Interface box, power supply and Conaxx 2 image acquisition software included in standard delivery – fully DICOM compatible for integration to PACS

Protec · RAPIXX fix installed detectors

Size	Detector type	Pixel size
43 × 43 cm	CsI / GOS	139 µm
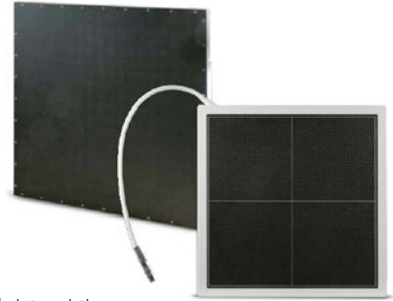
Highlights
- Detector size: 43 × 43 cm
- 16 bit dynamic range
- Cable connection
- Minimal cycle time: 6 s
- For integration and upgrade into existing conventional X-ray units / intended for constant mounting in a X-ray unit
- Interface box, power supply and Conaxx 2 image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

Protec · RAPIXX WiFi detectors

Size	Detector type	Pixel size
43 × 36 cm / 43 × 43 cm	CsI / GOS	127 µm

Highlights
- Complete set of wireless detector incl. two batteries, Conaxx 2 DR-software (X-ray generator connection as option)
- Detector size:
  43 × 36 cm / 43 × 43 cm
- Detectors are ISO 4090 compliant, existing Bucky can be used for DR Retrofit
- Just one flatpanel required for integration into bucky table + wall stand
- 16-bit dynamic range and high DQE for excellent image quality in three seconds
- Lightweight: < 3.0 kg

Rayence · 1012, 1417, 1717 WCC / WGC

Size	Detector type	Pixel size
10×12" / 14×17" / 17×17"	CsI / Gadox	127 µm /140 µm

Highlights
- Wireless Digital X-Ray Detector
- Retrofit ready
- Water and dust resistant (IP66)
- Ergonomic design
- Highly visible OLED-display
- High DQE, superb image quality
- Housing made of carbon & magnesium
- Surface load up to 661 lbs (300 kg)
- AED (Automatic Exposure Detection)
- Preview image in two seconds
- Detector size:
  10×12" / 14×17" / 17×17"
- Weight: 1.68 kg / 3 kg / 3.49 kg

Rayence · 1717 SCC / SGC

Size	Detector type	Pixel size
17×17"	CsI / Gadox	127 µm / 140 µm

Highlights
- Wired Digital X-Ray Detector
- Retrofit ready
- Economical digital solution
- High DQE, superb image quality
- AED (Automatic Exposure Detection)
- Preview image in two seconds
- Detector Size: 17×17"
- Weight: 4.4 kg

Roesys · X Vision go – Lightweight mobile DR Retrofit for ICU and RAD

Power	Detector type	Pixel size
–	CsI / 35×43 cm^2	100 µm – 143 µm

Highlights
Works on its own secure network, no WiFi infrastructure required, battery change during operation, option for gridless bed examination, antibacterial surface coating.

Stephanix · Nomad DReam

Size	Detector type	Pixel size
14×17" / 17×17"	Various types & brands	125 µm / 148 µm

Highlights
- To get easily the digital benefits in analogue x-ray rooms and mobile units
- No modification or Generator connection
- Several panel brands and sizes are available
- Advanced functions: APR, post-processings
- DICOM connectivity
- Shareable solution with other Stephanix modalities

Swissray · ddRAura DRiveKit

Power	Detector type	Pixel size
–	a-Si / Csl	148 / 139 µm

Highlights
Truly portable digital Radiography upgrade
- Detector size: 35×43 cm / 24×30 cm
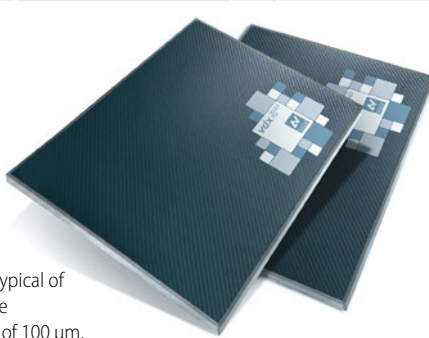
Fix workstation:
- 23" DICOM touch screen monitor
- Cristal clear digital images, available in less than four seconds
- Fixed or wireless detector combination options
- Fully integrated DR workstation with generator control option

Portable workstation:
- Medical grade windows OS tablet with 10" touch screen display
- ddRAura user interface
- Less than 1 kg weight
- Withstands drops of up to 1.5 m
- Docking station with 23" monitor option

Villa Sistemi Medicali · VDX 3543PW

Size	Detector type	Pixel size
35 × 43 cm	aSi / Csl	100 µm

Highlights
- Complete cordless positioning freedom, typical of a conventional cassette
- Outstanding pixel size of 100 µm, for the highest image quality
- Auto-triggering mode: the detector automatically synchronizes the acquisition once the X-ray source starts the emission
- System equipped with battery charger and two batteries as standard
- Enhanced productivity with DICOM functions

Villa Sistemi Medicali · VDX 3543TC

Size	Detector type	Pixel size
35 × 43 cm	a-Si / Csl	143 µm

Highlights
- Portable lightweight design flat panel fitting into existing bucky without modification
- Increased workflow
- Cost-effective solution, integrating a tether cable for both detector powering and image transferring
- Easy handling from chest stand to bucky table for upright, in-table, lateral and out of bucky exposures
- Enhanced productivity with DICOM functions

Portable DR

DMS Imaging · EZ2GO

Size	Detector type	Pixel size
35 × 35 cm	a-Si / Csl	140 µm / 160 µm

Highlights
- Connect up to three wifi flat panel detectors
- Image preview in 2 s and image acquisition in 4 s
- 8 h battery / autonomy
- The cassette size of the detector allows upgrade everywhere in the hospital
- Ideal for control exams for bedridden patients
- The lightiest solution of the market (3.9 kg tablet & detector)
- Design : DR upgrade mobile in 2 minutes
- System concept : 2 components

Examion · X-DR Portable

Size	Detector type	Pixel size
14 × 17"	a-Si / Csl	150 µm

Highlights
Portable case solutions for emergency X-ray. All functions for acquisition, diagnosis and archiving on a single mobile PC.
- Wireless Digital X-Ray
- Excellent image quality
- Patient administration with mini-PACS
- Radiological viewer
- Synchronization with stationary image archives
- Detector size: 14 x 17"
- Pixel size: 150 µm

Portable DR

SIUI · SR-1000

Size	Detector type	Pixel size
35 × 43 cm	a-Si / GOS	139 µm

Highlights
- Integrated design with generator, wireless flat panel detector, workstation and accessories including carry case and different stands.
- Unplugged and wireless design for most outdoor and emergency diagnosis.
- Battery power supply system: a full charge enables over 300 times at average power.
- WIFI to connect X-ray generator and workstation, flat panel detector and workstation.

- Bluetooth controls exposure through mobile or PC to distance X-ray source.
- PIE-5 workstation: professional software for digital archive transmission and management developed by SIUI.

Villa Sistemi Medicali · ArtPix EZ2GO

Size	Detector type	Pixel size
35 × 43 cm	a-Si / Csl	148 µm

Highlights
- Plug-and-play solution for immediate upgrade to digital radiography
- Lightweight and portable acquisition system based on Wi-Fi Flat Panel detector and tablet
- Extreme flexibility and ease of use thanks to wireless connections
- Multi-use solution for shared use with general radiographic systems and mobile units
- Powerful acquisition software complete with post-processing tools and DICOM functions

Mobile DR

Agfa HealthCare · DX-D 100+ (mobile)

Power	Width	Weight
20 / 32 / 40 / 50 kW	67 cm	595 kg

Highlights
- Easy operation, security and precision of all patientrelated positioning movements
- "Musica processing" provides superior contrast detail and consistent, exam independent image quality
- Fully motorized, with superior battery capacity due to split battery concept

- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Wireless and tethered detectors available
- Motorized: Up to 4 km / h

Agfa HealthCare · DR 100e

Power	Width	Weight
32 kW	61.8 cm	181 kg

Highlights
- Comfortable imaging experience for patient and operator
- Short exposure times and fast assessment of images after exposure
- Outstanding image quality and dose reduction potential Seamless connectivity with PACS, HIS / RIS and imagers
- Wireless detector for improved flexibility and infection control
- Your path to Direct Digital at your own pace

- Equipped with a powerful generator of up to 32 kW
- Operation: Plug / Motorized: No

Solutions for tomorrow · !M1 – Powered by Canon DR

Power	Width	Weight
20 / 32 / 40 kW	58 cm	324 kg

Highlights
Setting a new standard in mobile X-ray
- Smallest and lightest
- Battery operating time up to 9 hours
- 10 min charging – 1 hour operation time
- 8 years battery warranty

- Easy to clean
- Ready to use within 10 seconds
- Height and reach adjustable drive handle
- Remote diagnostic handle
- Motorized collapsible column support
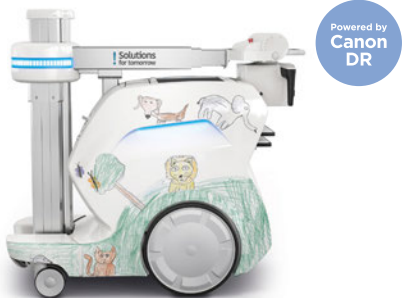
DMS Imaging · Rafale B DR

Power	Width	Weight
32 / 40 kW	57.6 cm	396 kg

Highlights
The Rafale B DR is a battery powered mobile X-ray unit featuring a flat panel detector and integrated acquisition station which suits a wide range of clinical applications. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms.
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 320 mAs
- Detector size: 35 × 43 cm

DRgem · Topaz

Power	Width	Weight
32 / 40 kW	58.3 cm	520 kg

Highlights
• Motorized mobile DR system
• Enhanced mobility with touch-sensitive handle
• Optimized image quality with advanced RADMAX software
• Safety bumper and brake with LED Indicator
• Wide LCD touch screen
• Storage compartment for detector and other equipment
• Wider coverage of ±325° (column rotation)
• Remote diagnosis
• Remote control
• Detector format: 17×14", wireless

Examion · X-DRS Mobile Pro 320

Power	Width	Weight
32 kW	57.6 cm	397 kg

Highlights
The X-DR Mobile Pro 320 is a battery powered and motorized X-ray system with detector that meets all the needs of the hospital.
• Easy maneuvering and positioning
• Swiveling column
• Telescopic arm optional
• DICOM connectivity + WLAN
• kV Range: 40 – 133 kV
• Pixel size: 150 µm / 100 µm

Fujifilm · FDR GO Plus

Power	Width	Weight
32 kW	560 mm	440 kg

Highlights
• Multiple easy-to-reach tube positioning releases and front and rear collimation controls for fast, easy collimation and positioning exactly where you need it.
• Compatible with FDR D-EVO II detectors available in GOS and CsI, in standard 14×17" or full field-of-view 17×17" sizes, and a 24×30 cm perfect for neonatal and extremity use
• System battery power provides up to four hours of use on a single charge and features emergency reserve mode for additional exposures and travel after low battery warning.
• Monitor size: 19"

Fujifilm · FDR Nano

Power	Width	Weight
2.5 kW	550 mm	90 kg

Highlights
• Ground breaking compact and light weight cart. By utilizing the ultrahigh sensitive D-EVO II and Virtual Grid technology, resulting in a compact mobile X-ray cart only weighing 90 kg.
• For improved operation and image viewing the FDR nano has an integrated Console Advance and X-ray controller in one unit.
• By adopting the use of lithium batteries, a single four hour battery charge provides use for approximately twelve hours (around 240 exposures). Also plug-in exposure is possible, providing reduced downtime in case of emergency usage
• mAs Range: 25 – 35 mAs / kV Range: 40 – 100 kV

GE Healthcare · Optima XR240amx

Power	Width	Weight
30 kW	56 cm	450 kg

Highlights
• Easy positioning – only 65 cm wide
• Ultra-high resolution and dose efficiency of FlashPad HD detector
• HELIX advanced image processing
• QuickConnect – adaptive wireless connectivity
• QuickCharging – dual in-bin detector charging
• kV Range: 50 – 125
• mAs Range: 0.2 – 630

GMM Group · MAC – Mobile radiographic unit

Power	Width	Weight
32 kW	a-Si	139 µm – 148 µm

Highlights
• DR mobile unit with HF generator
• Operational efficiency in general radiology, sports medicine, emergency, intensive care, operating rooms
• Compact unit with reduced overall dimensions for ease of transport and positioning
• Monoblock HF generator
• Collimator with LED lamp and additional filters
• Advanced touch screen user interface
• Different configurations available: with single detector (wired or Wi-Fi) or with double Wi-Fi detector

Mobile DR

Konica Minolta · AeroDR X30

Power	Width	Weight
20 / 32 / 40 / 50 kW	67 cm	530 kg

Highlights
- Fully integrated digital mobile X-ray system
- Completely motorized and very easy to manoeuvre: can be controlled with one hand
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving
- 100 % wireless communication for effortless usage at patient's bedside
- Retractable, telescopic column
- Detector sharing with X-ray rooms

Konica Minolta · AeroDR X10

Power	Width	Weight
26 – 32 kW	61,8 cm	170 kg

Highlights
- Fully integrated digital mobile X-ray system
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin
- 100 % wireless communication for effortless usage at patient's bedside
- Detector sharing with X-ray rooms

Mindray Medical · MobiEye 700 Mobile DR System

Power	Width	Weight
30 kW / 50 kW	47 cm	370 kg

Highlights
- Marvelous Mobility with intelligent operation
- Bionic design manipulator with eight high flexible mechanical joints
- Superior Power management technology
- Remote motion control and remote exposure control
- 19 Inch Multiple-touch Screen
- Lighter and smaller
- High reliability and compatibility
- Detector auto-charging

Primax International · Raybow DR

Power	Width	Weight
40 kW	67 cm	260 kg

Highlights
- Lightweight unit for easier displacement
- Manual or motorized with "dead man" braking system
- Arm rotation around vertical axis
- User friendly touchscreen interface
- Wireless image transmission
- Image export via DICOM CD or USB key
- DICOM 3

Protec · Proslide 32 B

Power	Width	Weight
32 kW	57.6 cm	397 kg

Highlights
- High-end motorized mobile X-ray system
- Powerful 32 kW generator for comprehensive application range
- Telescopic arm enables perfect positioning even in difficult conditions
- Front sensors to avoid collision
- System autonomy of > 8000 mAs

Protec · Proslide 32 SR

Power	Width	Weight
32 kW	59.6 cm	240 kg

Highlights
- Very compact light-weight unit
- Powerful 32 kW generator for comprehensive application range
- Rotation arm enables outstanding handling flexibility
- Touchscreen operation with fully digital DR configuration

Shimadzu · MobileDaRt Evolution MX8 – Pediatric version

Power	Width	Weight
32 kW	56 cm	440 kg

Highlights
- High-sensitive wireless FPD type CXDI-810C (CsI, 14 × 11")
- Handling benefit through easy placement, e.g. in standard incubators
- X-ray images within two seconds
- Easy and advanced operating functions
- Energy saving collimator with a bright irradiation filed through LEDs
- Fully DICOM compliant
- WLAN connectivity
- mAs range: 0.32 – 320

Shimadzu · MobileDaRt Evolution MX8

Power	Width	Weight
32 kW	56 cm	440 kg

Highlights
- Motor-driven, compact system with collapsible column for easy positioning
- Easy and advanced operating and safety functions
- High-sensitive, light-weight, durable and water proof FPD generation
- Imaging area: 17 × 17" (43 × 42 cm) 17 × 14" (43 × 35 cm) 14 × 11" (35 × 27 cm)
- Multiple wireless FPD connectivity for maximum efficiency
- X-ray images within two seconds

Siemens Healthineers · Mobilett Elara Max

Power	Footprint	Weight
35 kW	127.8 cm (l) × 59.8 cm (w)	Approx. 380 kg

Highlights
- High-end, fully digital mobile X-ray system
- Compact system design, easy maneuverability, flexible positioning with the MAXreach arm and consistently high-quality images
- Unique antimicrobial coating and easy-to-clean design
- Intuitive and fully digital *syngo* FLC workflow, excellent wireless connectivity, virtual workstation and cybersecurity package
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector: 35 × 43 cm (MAX wi-D) 24 × 30 cm (MAX mini)

SIUI · SR-1000

Power	Footprint	Weight
2 kW	–	12 kg

Highlights
- Integrated design with generator, wireless flat panel detector, workstation and accessories including carry case and different stands.
- Unplugged and wireless design for most outdoor and emergency diagnosis.
- Battery power supply system: a full charge enables over 300 times at average power.
- WIFI to connect X-ray generator and workstation, flat panel detector and workstation.
- Bluetooth controls exposure through mobile or PC to distance X-ray source.
- PIE-5 workstation: professional software for digital archive transmission and management developed by SIUI.

Stephanix · Movix 4 / 8 DReam

Power	Width	Weight
4 / 8 kW	78 cm	94 kg

Highlights
- Lightweight, less than 100 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Shareable solution
- kV Range: Up to 125 kVp

Stephanix · Movix Series DReam

Power	Width	Weight
20 / 32 / 40 / 50 kW	67 cm	580 kg
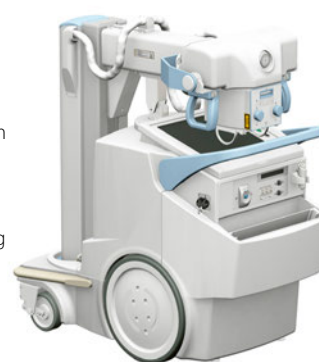
Highlights
- New ultra-compact and light design
- Motorized up to 5 km / h
- Independent from mains, only for batteries loading
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode, thin dual focal spots and high heat capacity
- Color LCD touch screen 17"
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Shareable solution
- kV Range: Up to 150 kVp
- mAs Range: Up to 500 mAs

Mobile DR

Swissray · ddRCruze

Power	Width	Weight
32 / 40 / 50 kW	67 cm	557 kg

Highlights
- Easy to maneuver motorized mobile X-ray system with variable speed
- 40 to 150 kV and 0.1 to 500 mAs output power
- Convenient and fast image acquisition from the bedside, the OR, ICU or ER room
- Telescopic column and tube arm for unrestricted maneuverability
- Additional tablet for image preview and generator control (option)
- Lightweight WIFI portable detector delivers superb IQ and maximum workflow efficiency
- Detector size: 35 × 43 cm / Pixel size: 148 / 139 µm

Villa Sistemi Medicali · Visitor T30 M-DR

Power	Width	Weight
32 kW	57.6 cm	412 kg

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity
- Detector size: Up to 43x43 cm

Villa Sistemi Medicali · Visitor T30 C-DR

Power	Width	Weight
32 kW	61.8 cm	170 kg

Highlights
- Compact and lightweight mobile DR unit
- High performance X-ray generator, tubehead with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions
- Detector size: Up to 43 × 43 cm

Villa Sistemi Medicali · Visitor T30 R-DR

Power	Width	Weight
32 kW	69.5 cm	250 kg

Highlights
- Mobile DR unit
- ± 90° rotating arm for flexible positioning of the unit
- High performance X-ray generator, tube-head with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions
- Detector size: Up to 43 × 43 cm

Villa Sistemi Medicali · Visitor T40 M-DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Powerful 40 kW generator for high productivity and performance
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity
- Detector size: Up to 43 × 43 cm

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Technix · TMB 400 / TMB 400 DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Freeview technology thanks to telescopic column
- Battery powered X-ray exposures
- Two different versions: analogue and digital
- X-ray Housing
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Interfaceable with multiple detectors and imaging software

Technix · TMS 320 R / TMS 320 RDR

Power	Width	Weight
32 kW	70 cm	240 kg

Highlights
- Light and maneuverable unit with small footprint
- Efficient positioning at patient's bed thanks to the rotating arm
- Available in two versions: TMS320 RDR (digital) and TMS320 R (analogue)
- Available also with fixed arm (TMS320 / TMS320 DR)
- Upgradable to DR on the field
- Multiple FPD and imaging software can be interfaced
- High level of detail of X-ray images
- 19" touch user interface
- Full DICOM connectivity+WLAN

Technix · TMS 300 DRH

Power	Width	Weight
30 kW	62 cm	220 kg

Highlights
- 30 kW power for performing any kind of examination
- Small footprint for easy maneuvering
- Inclines automatically the load on stairs
- Motorized crawler tracks for easy transport on stairs
- Sturdy wheels for moving on long distances or uneven surfaces
- High quality DR images on easy-to-use tablet PC
- Several detectors and imaging software can be interfaced
- Immediate exam review and transmission to the reference hospital

Flatpanel Fluoro

Agfa HealthCare · DR 800 (Fluoroscopy)*

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	<150 µm

Not available in Canada

Highlights
Dynamic 3-in-1 direct radiography system offering real time images for fluorscopy, general radiography and direct exposures.
- Single touch, remote-controlled user-interface and table auto-positioning, improving workflow and maximizing patient comfort
- Wide range of fluoroscopy, general radiography and portable applications, incl. optional full leg/full spine and tomography
- Includes gold-standard Musica image processing for dynamic images

NRT · Adora DRFi – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Powered by Canon DR

Highlights
Next generation high-end hybrid solution for all radiographic applications
- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation

NRT · Celex – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Powered by Canon DR

Highlights
Next generation multi-purpose tilt C-arm solution
- Hybrid offering fluoroscopic, serial and radiographic imaging
- Table load capacity of 300 kg; best in class SID of 150 cm
- Intuitive controls, focus on ergonomics and patient comfort
- Save and restore any position – permanently or on the fly
- Detachable table option for maximum examination flexibility
- Small foot print and maximum work areas for staff
- Table: Left or right side suspended; detachable table option

Flatpanel Fluoro

NRT · Adora DRFi – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation high-end hybrid solution for all radiographic applications

- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation

Canon · Raffine-i

Power	Detector type	Pixel size
80 kW	CsI	143 µm

Highlights

A busy department or clinic requires reliable technology that responds flexibly to a wide range of clinical demands with outstanding diagnostic performance. Raffine-i, Canon Medical's intelligent R/F system, covers an extensive diagnostic portfolio with high image quality, exceptional workflow efficiency and effective dosecontrol. The system's wide tabletop combines excellent mobility with the highest level of safety and comfort for both the staff and patients.

Canon · Ultimax-i

Power	Detector type	Pixel size
80 kW	CsI	148 µm

Highlights

- The Ultimax-i system provides a multipurpose digital X-ray system with a tilting C-arm table for multipurpose diagnostic applications and interventional radiology.
- An additional ceiling mounted X-ray tube can be combined. This system can be used for a wide variety of clinical applications.
- Detector size: 43 × 43 cm

Canon · Xantara

Power	Detector type	Pixel size
80 kW	CsI	148 µm

Highlights

- The Xantara system was designed to provide maximum flexibility for all types of exam rooms and for all types of exams.
- From the clean, sleek lines of the design, to the simplified all-in-one control console, to the mechanical ergonomics and elegance, the Xantara is the remote controlled table solution like you've never seen before.
- Source-to-Imager Distance 180 cm.
- Four-way movement of tabletop.
- Optional second X-ray tube, vertical Bucky stand and wireless FPD.
- Detector size: 43 × 43 cm

Canon · Zexira / FPD

Power	Detector type	Pixel size
80 kW	CsI	148 µm

Highlights

- General radiography abdominal / skeletal).
- Non-vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, nerve block procedures, etc.
- Non-vascular IVR (ERCP, PTC, biopsy, ileus tube, etc.).
- Angiography (abdomen, shoulders, upper / slower trunk and cervical spine, etc.).
- Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.)
- Detector size: 43 × 43 cm

DMS Imaging · Optima

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 µm

Highlights

The Optima is designed to be effective and adapt to any type of budget.

- SID up to 180 cm
- Fully motorized tube rotation
- Patient coverage 195 cm with 2 ways and >270 cm with 4-way table top
- +90° / −30° motorized tilting table, this table performs all types of R/F examinations
- Innovative tilt / shift movement allowing 79 cm fixed height
- Detector size: 43 × 43 cm
- Remote-controlled / fully-motorized
- Image system : DRF & Analogic

DMS Imaging · Platinum dRF

Power	Detector type	Pixel size
50 / 65 / 80 / 100 kW	a-Si / CsI	148 µm

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading
- Excellent image quality with lowest possible dose (SID 180 cm)
- All movements are motorized and independent for maximum configuration versatility
- Innovative control system based on PC server technology
- Innovative workflow options
- Available DRF & Analogic
- Detector size: 43 × 43 cm
- Digital remote controlled fully motorized

GE Healthcare · Discovery RF180

Power	Detector type	Pixel size
65 / 80 kW	a-Si	148 µm

Highlights
- Flexible with 90°/90° tilting
- Complete left-sided system access
- Dynamic detector 43 × 43 cm
- FFA variable up to 180 cm - no wallstand required for thoracic images
- Large patient cover (285 cm) without repositioning

GMM Group · Opera Swing – Multifunctional system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights
- Highly integrated system for enhanced examinations in digital RAD and Fluoro procedures
- Extraordinary user-friendliness and operational efficiency in any application: E.R., digital angiography, Tomosynthesis, column-lower limbs Stitching, ect.
- Easy execution of lateral projections and oblique incidences also on stretchers
- Exams on tabletop or in direct contact with the detector
- Detector size: 43 × 43 cm

GMM Group · Opera T90 Sharp – Remote-controlled system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights
- Wide series of R / F remote-controlled tables with digital flat panel detector
- User-friendliness and enhanced examinations in E.R., trauma, thorax and lungs, skeleton, gastroenterology, urology, digital angiography, etc.
- Reduced distance of the elevating tabletop from the floor
- Intelligent user interface integrating all the controls in a unique advanced touch screen
- Detector size: 43 × 43 cm

GMM Group · Opera Evolution – R / F Remote-controlled tables

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights
- Wide series of advanced remote-controlled tables with different configurations tailored to the operator's needs
- Cutting-edge ergonomics and utmost user-friendliness
- Advanced U.I., smart digital system with multi-touch screen display
- Enhanced examinations in any diagnostic procedure (skeleton, thorax and lungs, gastroenterology, ER and traumatology, paediatrics);
- DSA, Tomosynthesis, Stitching

Mecall – GMM Group · Clisis Evolution

Power	Detector type	Pixel size
65 – 80 kW	a-Si	139 – 148 µm

Highlights
- 90 / 90 RF system with 43 × 43 cm flat panel detector and exclusive auto-focusing device
- Single end suspended carbon-fibre patient tabletop for total accessibility from any side
- Elevating tabletop with 50 cm minimum distance from the floor
- Full-length patient examination in both vertical and horizontal position
- Full integration with optional ceiling suspension and Wi-Fi detector
- Detector size: 43 × 43 cm / 35 × 43 cm / 24 × 30 cm
Mecall is a GMM Group brand.

Flatpanel Fluoro

Primax International · Nikaïa DRF

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	148 µm

Highlights
- Broad range of application from simple orthopaedic to interventional application
- Full accessibility around the table
- High resolution – low dose images (FDD up to 180)
- Optimal patient loading with reduced distance to ground
- Tomography standard included
- Real time image stitching
- Possibility to work with several Flat Panels
- Detector size: 43 × 43 cm

Shimadzu · Sonialvision G4

Power	Detector type	Pixel size
65 / 80 kW	CsI	139 µm

Highlights
- Premium R / F system with dynamic flat panel detector
- 2nd tube option for multi purpose room solution
- Bariatric functionality
- SUREengine-Advance: real-time image enhancement processing technology
- Tomosynthesis and T-smart
- Slot radiography
- Angiography option (real-time and motion-tolerant RSM-DSA)
- Comprehensive dose management package
- Size: 17 × 17" (43 × 43 cm)

Shimadzu · Flexavision F3

Power	Detector type	Pixel size
50 / 80 kW	CsI	160 µm

Highlights
- Portable dynamic FPD for various studies from head to toe
- Outstanding digital image quality
- Great flexibility through smart modular technology
- Intensive patient care
- Size: 14 × 17" (35 × 43 cm)

Siemens Healthineers · Luminos dRF Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights
- Stronger synergies – with a true 2-in-1 solution for radiography and fluoroscopy
- Sharper imaging – for fast, confident diagnosis with a large 43 × 43 cm Max dynamic detector
- Safer use – to protect patients and technologists with a 48 cm minimum table height, full patient access from all sides and SmartTouch
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector), 35 × 43 cm (MAX wi-D), 24 × 30 cm (MAX mini)

Siemens Healthineers · Luminos Agile Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights
- Stronger synergies – with a true 2-in-1 solution
- Sharper imaging – for fast, confident diagnosis
- Safer use – to protect patients and technologists
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector), 35 × 43 cm (MAX wi-D), 24 × 30 cm (MAX mini)
- Ysio Max options: • Fully integrated ceiling-suspended tube with bucky tracking
  • MAX wi-D and MAX mini detectors
  • SmartOrtho: long leg and full spine imaging

Siemens Healthineers · Luminos Fusion

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights
- Max image quality in R / F (FD version only)
- Technology from high-end Max systems
- Easy access for fast and easy patient positioning
- Touch-sensitive joysticks
- Outstanding dose reduction with CARE
- Wide range of options and applications
- 2-in-1 efficiency: flexibility and high utilization saves space and costs
- Detector size: 43 × 43 cm

Siemens Healthineers · Multitom Rax

Power	Detector type	Pixel size
65 / 80 kW	a-Si / Csl	148 µm

Highlights
- The world's first Twin Robotic X-ray scanner
- Streamlined clinical pathways while improving diagnostic insights and treatment
- Offers a multitude of X-rays – in just one room
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Detector size: 43 × 43 cm (RAX detector), 35 × 43 cm (MAX wi-D), 24 × 30 cm (MAX mini)

Stephanix · D²RS

Power	Detector type	Pixel size
Up to 80 kW	a-Si / Csl	148 µm / 160 µm

Highlights
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors
- Motorized: Automatic positioning, collimation, filtration, parameters

Villa Sistemi Medicali · Apollo Open DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / Csl	148 µm

Highlights
- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- Touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 × 43 cm

Villa Sistemi Medicali · Apollo DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / Csl	148 µm

Highlights
- Premium digital remote controlled system for full clinical coverage in R/F applications
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Availablable with DSA and stitching options
- Detector size: 43 × 43 cm

Villa Sistemi Medicali · Apollo EZ DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / Csl	148 µm

Highlights
- Compact and cost-effective digital system for all the needs of radio-graphic and R/F imaging
- New tomosynthesis function
- Touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 × 43 cm

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Dental

Planmeca · ProOne / ProX

Highlights

Planmeca ProOne is a full-featured panoramic X-ray unit, designed with simplicity in mind. It combines extensive diagnostic capabilities and superior image quality into a compact, easy-to-use package. The Planmeca ProX intraoral X-ray unit provides easy and precise positioning, a straightforward imaging process and top quality images in high resolution.

DXA

DMS Imaging · Stratos

Detector	System	Scan method
Photomultiplier	HF Monoblock Generator	2 D-fan beam

Highlights

- Technology: Digital fast beam
- The complete solution for an optimal fracture risk diagnosis in routine
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 60 seconds per site
- Powerful easy-to-use software
- Compatible with new 3D-DXA technology to provide trabecular and cortical bone information with reference curves.
- Body composition application for weight management, tracking fat and lean tissue

DMS Imaging · Stratos DR

Detector	System	Scan method
256 elements	HF Monoblock Generator	Pencil beam

Highlights

- Technology: 2D-Fan Beam
- Detector: 256 elements, highest image resolution
- Complete solution for an optimal fracture risk diagnosis
- Full options including peadiatric and orthopedic software
- Powerful easy-to-use software
- Exams can be performed in only 30 seconds in routine mode
- Compatible with new 3D-DXA technology to provide trabecular and cortical bone information with reference curves.
- Body composition application for weight management, tracking fat and lean tissue

GE Healthcare · Lunar Aria

Detector	System	Scan method
Multi detector	Narrow Angle Fan Beam	Meandering scan

Highlights

- Central DXA device for clinical practice
- Reliable clinical osteoporosis diagnostics
- Distortion-free scanning technology without magnification errors
- Composer for automatic generation of individual patient findings
- Designed to fit in small spaces so there is likely no need to allocate a large room or incur construction costs

GE Healthcare · Lunar Prodigy Series

Detector	System	Scan method
Multi detector	Narrow Angle Fan Beam	Meandering scan

Highlights

- DXA System for osteoporosis diagnostics and progression control
- High patient throughput due to fast measuring speed
- Composer – Automatic creation of individual patient reports
- Analysis of body composition
- Expandable platform with individual configurations

GE Healthcare · Lunar iDXA

Detector	System	Scan method
Multi detector	Narrow Angle Fan Beam	Meandering scan

Highlights

- Premium system for bone density measurement and analysis of body composition – distribution of fat, muscles, etc. in relation to each other
- Direct digital technology
- Exclusive High-Definition Detector
- High precision of measurement results

Hologic · Horizon DXA system

Detector	System	Scan method
HR ceramic detector	Dual energy X-ray source	Single-sweep scanning

Highlights

The Horizon DXA platform is designed to help healthcare professionals in managing Osteoporosis, Obesity and Cardiovascular diseases.
- Less than 15 sec for Hip and Spine BMD, 20 sec for Vertebral Fractures Assessment, 3 min Whole Body and 20 sec atypical femur detection
- High resolution imaging with ceramic detectors
- A Dynamic Calibration for greater long-term measurement stability

Accessories / Complementary Systems

Canon Electron Tubes & Devices · XRR-4631G

Highlights
- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 % smaller housing than previous model
- Can be used as a replacement part for similar models
- High power input: 100 kW / 40 kW (0.1 s)
- High cooling rate provided by housing
- Size: 1.2 / 0.6 (Focal Spot)
- Power: 100 kW / 40 kW (Max Rating)
- Capacity: 400 kHU (Anode heat capacity) 1,200 W (Anode heat dissipation)

Canon Electron Tubes & Devices · XRR-6652 X
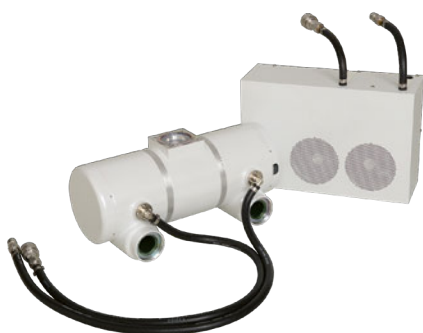
Highlights
- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 % smaller housing than previous model
- Can be used as a replacement part for similar models
- Size: 0.8 / 0.3 (Focal Spot)
- Power: 52 kW / 12 kW (Input Power)
- Capacity: 600 kHU (Anode heat capacity) 1670 W (Anode heat dissipation)
- High throughput (1000W continuous input power)
- Enhanced heat transfer performance of heat exchanger
- High resolution image with small focal spot size

Canon Electron Tubes & Devices · XRR-3332 X

Highlights
- 3 inch ROTANODE X-ray tube assembly for Mobile systems
- 20 % smaller size / 22 % lighter weight housing than previous model
- High power input: 46 kW/20 kW (0.1 s)
- XRR-3332X is useful for designing smaller and excellent mobile system.
- Adotp large capacity anode target to support multipurpose diagnostic application.
- Size: 1.2 / 0.6
- Power: 46 kW / 20 kW
- Capacity: 300 kHU (Anode heat capacity) 870 W (Anode heat dissipation)

Canon · OrthoMod3D

Highlights
- One platform, one software application.
- Optical orthopedic image acquisition & fusion
- 3D reconstruction & spine analysis in weight-bearing position.
- Based on optical & X-ray data fusion.
- Innovating and unique combination of the spine with the back surface.

DMS Imaging · Biomod 3S
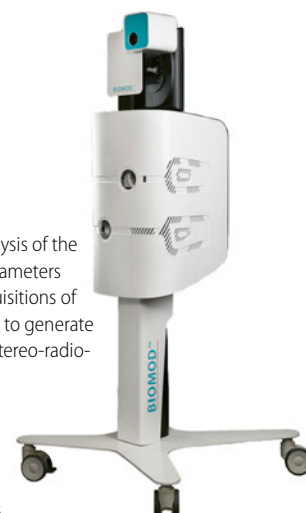
Highlights
- Technology: 3D modelization and analysis of the spine, Automatic calculation of 2D parameters
- Biomod 3S combines two optical acquisitions of the spine with a classic stitching exam to generate a 3D model of the vertebral column (stereo-radiographic acquisition)
- For the study and the diagnosis of the spine (Scoliosis)
- No additional radiation dose
- New module MI for the 3D modelization of lower limbs

Accessories / Complementary Systems

DMS Imaging · 3D DXA
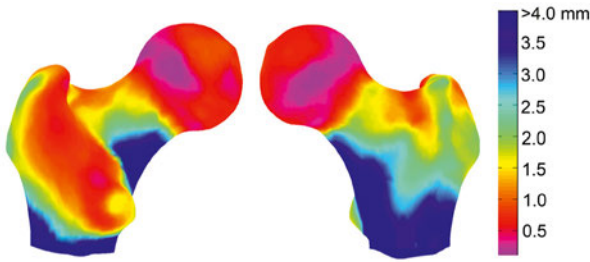
Highlights
3D-DXA is a 3D modelization of the hip performed with DMS DXA systems. Detailing information such as:
• vBMD (volumic BMD) trabecular, cortical and global (total femur, femoral neck, intertrochanteric, greater trochanter)

• Technology: Breakthourgh Technology to complete fracture risk assessment
• Color mapping of cortical thickness
• Mean cortical thickness on relevant regions
• Femoral Neck Axis Length in 3D
• Femoral Neck Shaft Angle in 3D
• Includes reference curves to monitor

DRgem · GXR series – X-Ray generator

Highlights
• High-frequency generator, perfect for general radiography
• Excellent reproducibility, accuracy, and linearity
• Smaller, lighter modular design
• 1,280 APR conditions with APR utility software
• Tube overloading and housing overheating protection
• Real-time monitoring and self-diagnosis
• Remote diagnosis and automatic calibration

• Adaptive calibration for long-term usage
• Capacitor type: compatible with standard wall outlet
• UPS type: 800W, free-voltage (100 ~ 240VAC) line power
• UPS type: Operation time of up to 12 hours and 3,500 x-ray shots during a power failure

DRgem DXT Series – X-Ray Tube

Highlights
• Fine and well-defined X-ray focus
• Long term stability and reliability
• Minimized rotational noise
• Designed to support maximum throughput in highly utilized rooms

DRgem · Mobile imaging DR Van

Highlights
• Compact radiography system for mobile RAD room
• Motorized vertical synchronization with wall stand
• Image stitching for whole body
• Auto numbering function with barcode scanner available

• UPS or capacitor generator is recommended
• Power 32 / 40 / 52kW
• Detector type: GOS / Csl, 17×17" / 17×14" , wired / wireless

Dunlee · Smit Röntgen Grids

Highlights
• Dose is verifiably lower as compared with aluminum interspaced grids
• Customized design for each application (e.g. Mammo, standard X-ray; CBCT)
• Higher SN ratio = more signals reach the detector
• 30 % lighter than Alu grids make them ideal for mobile applications
• Trusted product with more than 200 satisfied customers
• Interspacher: Fiber

Examion · X-Emergency

Highlights
Customized container for digital X-ray.
• U-Arm or Z-Arm design. Z-Arm allows lateral exposures on lying patients
• Low maintenance effort
• Excellent image quality
• Patient administration

• Mini-PACS or connection to central archives
• Radiological viewer
• Power: 50 kW
• System concept: Wireless or Wired
• Detector size: 14 x 17" / 17 x 17"
• Pixel size: 100 – 175 μm

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I.A.E. · C31-RTM 72

Size	0.6 / 1.2
Power	30 kW / 75 kW
Capacity	300 kHU (Anode heat capacity)
	500 W (Anode heat dissipation)

Highlights
- Rotating anode X-ray tube unit for mobile x-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range –10℃ / +80° C
- Optional mounting plate for tilting brackets

I.A.E. · RTC 600

Highlights
- Rotating anode graphite XRay tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

PTW · Nomex multimeter

Highlights
- Dosimetry system, CE marked, class IIb certified, acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Accessories: Normi RAD/FLU test object

PTW · Diamentor RS / Diamentor C-RS – Wireless DAP systems

Highlights
- Wireless DAP System
- Integrated DAP chamber and DAP electronics housing (Diamentor RS)
- Automatic air density correction of DAP measurements (Diamentor RS)
- Highly integrated electronics (Diamentor C-RS)
- Available with RS232 or RS485 interface
- Optional Diamentor BT interface for wireless data transfer from DAP Meter to an X-ray unit

PTW Normi RAD / FLU – X-Ray test object
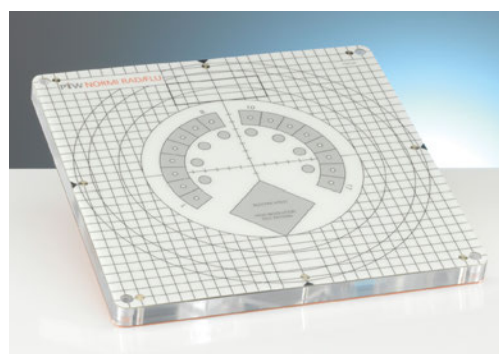
Highlights
- Checks all relevant parameters of analogue and digital fluoroscopic and radiographic X-ray units
- Suitable for routine quality checks on over/under couch tubes and C arms
- Includes an attenuation plate for patient simulation
- Complies with DIN 6868-4 and 6868-150
- Available with the outer format of 300×300 mm or 200×200 mm

Molecular Imaging

PET-MR
PET-CT
SPECT-CT
SPECT

PET-MR

GE Healthcare · Signa PET / MR 3.0 T

Gradient	Slewrate	Channels
44 mT / m	200 T / m / s	96 / 128

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0 T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters

Siemens Healthineers · Biograph mMR

System sensitivity	Energy resolution (NEMA)	Fields of view
–	–	258 mm

Highlights
- Maximize MR-PET
- Benefit from motion-free PET images with MR-based motion compensation beyond gating
- Advance PET attenuation correction with whole-body 5-compartment model including bones and HUGE
- Deliver exceptional quality and speed in MR-PET with the latest MR innovations

PET-CT

Canon · Celesteion

System sensitivity	Energy resolution (NEMA)	Fields of view
13.5 / 23.7 cpm / kBq	11.2 %	196 mm axial

Highlights
- Pure Vision detector
- 90 cm bore CT / 88 cm bore PET
- 70 cm FOV
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- SUREtrace detector
- 394 ps typical TOF Timing Resolution
- Point Spread Function
- Registration accuracy and repeatability

GE Healthcare · Discovery MI DR

FOV	Energy resolution (NEMA)	Time resolution
157 mm	12.5 %	549 ps

Highlights
- PET / CT platform with 64 slices Revolution EVO CT
- VUE Point FX Time-of-Flight
- Q.Suite for quantitative PET
- Q.Clear for a fully convergent PET reconstruction: up to twofold improvement in image quality (SNR)*
- Reduction of CT dose by up to 82 percent and doubling of spatial resolution with ASiR-V
- Upgradeability path to to digital Discovery MI

*Compared to prior generation

GE Healthcare · Discovery MI

FOV	Energy resolution (NEMA)	Time resolution
150 / 200 / 250 mm	9.4 %	385 ps

Highlights
- PET / CT platform with digital silicon photomultiplier and 64 slices Revolution EVO CT
- Highest sensitivity (NEMA) of up to 21 cps / kBq
- VUE Point FX Time-of-Flight
- Reduction of CT dose by up to 82 percent
- Doubling the spatial resolution with ASiR-V

GE Healthcare · Discovery IQ

FOV	Energy resolution (NEMA)	Time resolution
155 / 208 / 260 mm	12.5 %	–

Highlights
- PET / CT platform with 16 slices Optima CT 540
- High sensitivity (NEMA)
- VUE Point HD + SharpIR: iterative 3D PET
- Reconstruction and all corrections within the loop
- Q.Suite for quantitative PET
- Q.Clear for a fully convergent PET reconstruction: up to twofold
- Image Quality Enhancement (SNR)*

*Compared to prior generation

PET-CT

Siemens Healthineers · Biograph mCT		
System sensitivity –	Energy resolution (NEMA) –	Fields of view Up to 221 mm

Highlights
- Molecular CT – quantification redefined
- Increased confidence in quantitative results with automatic daily quality control with normalization
- Superb visualization, particularly of small tumors with industry-leading volumetric resolution* of 95 mm^3
- Whole-body PET scans in only 5 minutes or with 5 mCi injected dose**
- Increase revenue with a 78 cm bore for radiation therapy planning

* Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. ** With TrueV.

Siemens Healthineers · Biograph mCT Flow*		
System sensitivity –	Energy resolution (NEMA) –	Fields of view Up to 221 mm

Highlights
- Only PET / CT where planning and scanning are based on a single continuous table motion
- Finest detail in every organ with industry's highest resolution** of 95 mm^3
- Up to 25 % less scan time per patient with single scan protocol using motion management
- Whole-body PET scan in 5 minutes***
- Accurate and reproducible quantification in all dimensions enables a more confident interpretation

* Biograph mCT Flow is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.
** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. *** With TrueV.

Siemens Healthineers · Biograph Horizon*		
System sensitivity –	Energy resolution (NEMA) –	Fields of view Up to 221 mm

Highlights
- Designed with technologies that set the standard in PET / CT, Biograph Horizon brings you premium performance at an attractive level of investment.
- More accurately stage disease by identifying small lesions early with Biograph Horizon's 4 mm, high resolution LSO crystals and Time of Flight.
- Leverage automated tasks and protocols to free up your staff's time, so they can focus on what matters most, your patients.
- Reduce your capital investment and keep overhead expenses under control with minimal upfront infrastructure requirements and low operating costs.

* Biograph Horizon is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

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SPECT-CT

GE Healthcare · NM / CT 870 CZT		
FOV 511 x 393 mm	Energy resolution (NEMA) 6.3 %	Time resolution –

Highlights
- High-performance SPECT / CT system with CZT semi-conductor detectors and current diagnostic 16 slices Optima CT 540 with advanced SPECT and CT dose management
- Flat detectors and large patient opening of 70 cm
- Flexible detector positioning, up to 227 kg patient weight
- Imaging in hospital bed and on standing patients

GE Healthcare · NM / CT 870 DR		
FOV 540 x 400 mm	Energy resolution (NEMA) 9.8 %	Time resolution –

Highlights
- High-performance SPECT / CT system with up-to-date diagnostic 16 slices Optima CT
- 540 with advanced SPECT and CT dose management
- Flat detectors and large patient opening of 70 cm
- Flexible detector positioning, up to 227 kg patient weight
- Imaging in hospital bed and on standing patients

GE Healthcare · NM / CT 860

FOV	Energy resolution (NEMA)	Time resolution
540 x 400 mm	9.8 %	–

Highlights
- SPECT / CT system with current diagnostic eight slices Revolution ACTs
- CT with advanced SPECT and CT dose management
- Flat detectors and large patient opening of 70 cm
- Flexible detector positioning, up to 277 kg patient weight
- Imaging in hospital bed and on standing patients

GE Healthcare · NM / CT 850

FOV	Energy resolution (NEMA)	Time resolution
540 x 400 mm	9.8 %	–

Highlights
- Ultra-Lowdose-CT with especially flat detectors
- Large patient opening 70 cm
- Flexible detector positioning
- Up to 227 kg patient weight
- Sturdy tripod with fast gantry robotics
- Ultra-Lowdose 8-lines CT
- High productivity through Ignite workflow
- Imaging in hospital bed and on standing patients

SPECT-CT

Siemens Healthineers · Symbia Intevo Bold

System sensitivity	Energy resolution (NEMA)	Fields of view
–	–	–

Highlights
- iMAR – Interative Metal Artifact Reduction – to see more details by reducing metal artifacts. iMAR lets you overcome the effects of metal artifacts in challenging exams
- SAFIRE – Sinogram Affirmed Iterative Reconstruction – reduces radiation dose while maintaining image quality
- IVR – Interleaved Volume Reconstruction – reconstructs up to 32 slices to evaluate small structures
- Dual Energy Scan improves image quality with two sequential spiral scans at different energies

Siemens Healthineers · Symbia Intevo

System sensitivity	Energy resolution (NEMA)	Fields of view
202 cpm / µCil	–	533 × 387 mm

Highlights
- Higher image resolution enables physicians to distinguish between degenerative disease and cancer
- The first and only system offering accurate and reproducible SPECT quantification
- Up to 68 % lower CT dose* with CARE Dose4D and up to 80 % lower injected dose* with IQ•SPECT to reduce patient radiation risk
- Productivity tools and IQ•SPECT save time and can double patient throughput

* Based on competitive literature available at time of publication. Data on file.

Siemens Healthineers · Symbia Intevo Excel

System sensitivity	Energy resolution (NEMA)	Fields of view
202 cpm / µCi	–	533 × 387 mm

Highlights
- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45 % higher reconstructed resolution* than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view* enables physicians to more accurately localize lesions
- IQ•SPECT enables up to 80 % lower injected dose* or shorter imaging time, increasing patient comfort and satisfaction

* Based on competitive literature available at time of publication. Data on file.

SPECT

GE Healthcare · Discovery NM 530c

System sensitivity	Energy resolution (NEMA)	Fields of view
1.300 cpm / µCi	6.2 %	–

Highlights

Alcyone Technology
- Solid State CZT Detectors
- Pin hole focused collimation
- Stationary acquisition
- 3D reconstruction
- Higher sensitivity; Flexibility to manage dose more efficiently
- Scans as fast as three minutes

Siemens Healthineers · Symbia Evo Excel

System sensitivity	Energy resolution (NEMA)	Fields of view
202 cpm / µCi	–	533 × 387 mm

Highlights
- Smallest* room size in its class, reducing costs associated with room remodeling and expansion
- Ability to image every patient** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading* image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

* Based on competitive literature available at time of publication. Data on file.   ** Patients up to 227 kg.

Siemens Healthineers · Symbia Evo

System sensitivity	Energy resolution (NEMA)	Fields of view
202 cpm/µCi	–	533 × 387 mm

Highlights
- Save up to 50 %* more time and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading* image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

* Based on competitive literature available at time of publication. Data on file.   ** Patients up to 227 kg.

Displays / Printers

Displays – Mammo

Displays – Grayscale

Displays – Color

Displays – Clinical Review

Printers

DVD Burner

DVD Import

AGFA *Agfa*
HealthCare

BARCO

CHILI®
Einfach überzeugend

IMAGE
Information
Systems

KONICA MINOLTA

JVC

bender
gruppe medigration

Displays – Mammo

Barco · Nio 5MP

Panel size	Resolution	Max. Luminance
21.3"	5.8 MP (2,100 × 2,800)	1,000 cd / m²

Highlights
- 600 cd/ m² calibrated luminance
- Steady colors and greyscale image rendering
- 5.8 MP color
- Five-year warranty incl. front sensor

Barco · Coronis Uniti

Panel size	Resolution	Max. Luminance
33"	12 MP (4,200 × 2,800)	> 2,100 cd / m²

Highlights
- Approved for PACS, FFDM, DBT, breast MRI & US
- Proven 10 % higher detection when scrolling DBT IMAGES Proven 10 – 15 % higher detection probability compared to other FFDM displays
- 2 x the lifetime and 2 x the brightness of other PACs and FFDM displays
- Five-year warranty incl. front sensor

JVC · MS55i2 plus

Panel size	Resolution	Max. Luminance
21.3″	2,048 × 2,560 / 2,048 × 7,680	2,000 cd / m²

Highlights
- LED Backlight
- 1,400 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

JVC · CCL550i2

Panel size	Resolution	Max. Luminance
21.3″	2,048 × 2,560	1,000 cd / m²
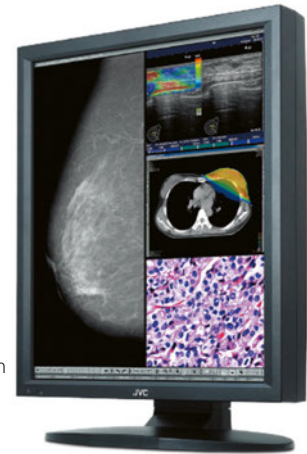
Highlights
- Panel technology: IPS
- 1,300 : 1 contrast ratio
- Auto Text Mode
- Dynamic Gamma
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

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Displays – Grayscale

Image Information Systems · MED-TAB v.2

Panel size	Resolution	Max. Luminance
13.3"	2 MP	300 cd/m²

Highlights

MED-TAB is the world's first DICOM-calibrated radiology tablet uniquely created for continuous high-quality, incredibly precise image access from any location. It runs on the Android operating system and is compatible with any zero-footprint DICOM viewer.

- Large 13.3'' and bright 300 cd / m² screen
- 2 MP high resolution anti-glare display
- 11-bit DICOM grayscale calibration: a world first

JVC · MS35i2

Panel size	Resolution	Max. Luminance
21.3"	1,536×2,048 / 1,536×6,144	1,700 cd / m²

Highlights
- Panel technology: IPS
- 1,400:1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

JVC · MS25i2

Panel size	Resolution	Max. Luminance
21.3"	1,600×1,200 / 4,800×1,200	1,900 cd / m²

Highlights
- Panel Technology: IPS
- 1,400:1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

JVC · ME195

Panel size	Resolution	Max. Luminance
19.1"	1,280×1,024	1,400 cd / m²

Highlights
- Panel technology: IPS
- 1,000:1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

Displays – Color

Barco · Coronis Fusion Product Line

Panel size	Resolution	Max. Luminance
30.4"	see below	1,050 cd/m²

Highlights
- Resoultion: 4 MP (2,560×1,600)
  6 MP (3,280×2,048)
- Bezel-free 30-inch multi-modality PACS imaging desktop
- Unmatched viewing characteristics and image quality
- High-performance medical-grade image processing
- Automated intervention-free calibration and QA
- Five-year warranty incl. front sensor

JVC · CCL650i2

Panel size	Resolution	Max. Luminance
30"	3,280×2,048	800 cd / m²

Highlights
- Panel technology: IPS
- 1,000:1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI / DisplayPort Input
- Auto Text mode and Dynamic Gamma

JVC · CL-S300

Panel size	Resolution	Max. Luminance
21.3"	2,048×1,536	1,000 cd / m²

Highlights
- Panel technology: IPS
- 1,500:1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

Displays – Color

JVC · CL-S200

Panel size	Resolution	Max. Luminance
21.3"	1,600 × 1,200	1,000 cd / m²

Highlights
- Panel technology: IPS
- 1,200 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

JVC · CL-R211

Panel size	Resolution	Max. Luminance
21.3"	1,600 × 1,200	500 cd / m²

Highlights
- Panel technology: IPS
- 1,800 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

JVC · CCL242

Panel size	Resolution	Max. Luminance
24.1"	1,920 × 1,200	300 cd / m²
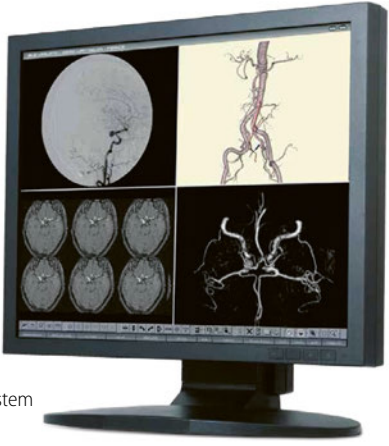
Highlights
- Panel technology: IPS
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Optional AR coating

JVC · CCL196

Panel size	Resolution	Max. Luminance
19"	1,280 × 1,024	800 cd / m²

Highlights
- Panel technology: IPS
- 1000 : 1 contrast ratio
- Video and DVI interface
- Brightness stabilization system
- Remote management
- Integrated power supply

Displays – Clinical Review

Barco · Eonis Family

Panel size	Resolution	Max. Luminance
19" / 21" / 22" / 24"	*see below*	330 / 440 / 250 / 300 cd / m²

Highlights
- Resolution: 1 MP (1,280 × 1,024)
  2 MP (1,600 × 1,200)
  2 MP (1,920 × 1,080)
- Optional High bright (19" and 24")
- Optional Touch screen (19", 22" and 24")
- Optional protective glass cover (22" and 24")
- Optional external power supply for use in immediate patient vicinity
- Optional white cabinet
- Design supports hospital infection control initiatives
- Three-year warranty including front sensor

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Printers

Agfa HealthCare · Drystar 5503

Technology	Capacity	Resolution
Direct digital imaging	100 films / h (14 × 17)	508 dpi

Highlights
- Multi-modality, high throughput imager with film sorter
- Ideal for centralized workflow, can easily be connected to the network
- Integrated A#Sharp technology for optimized image quality
- Three multi-format trays, each supporting different film sizes and types
- Suitable for CT, MRI, DSA, digital R / F, CR, DR and optional mammography applications

Agfa HealthCare · Drystar Axys

Technology	Capacity	Resolution
Direct digital imaging	75 films / h (14 × 17)	508 dpi

Highlights
- Flexible, tabletop imager delivering mammography-quality images
- Multi-application hardcopy solution, including digital mammography
- Integrated A#Sharp technology for optimized image quality
- Two multi-format trays, each supporting different film sizes and types
- Very short access time for extremely fast delivery of first four prints

Agfa HealthCare · Drystar 5302

Technology	Capacity	Resolution
Direct digital imaging	75 films / h (14 × 17)	320 dpi

Highlights
- Suitable for all applications and ideal for CR / DR
- A#Sharp technology for optimized image quality
- Convenient imaging with two media sizes on-line (multi-format)
- Very short access time ensures fast printing of small print jobs

Agfa HealthCare · Drystar 5301

Technology	Capacity	Resolution
Direct digital imaging	70 films / h (14 × 17)	320 dpi

Highlights
- A#Sharp Technology
- Direct Digital Imaging Technology
- Excellent reliability, minimum maintenance
- Convenient imaging with one media size online
- Provides excellent quality for low operating cost

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Konica Minolta · DryPro 873

Technology	Capacity	Resolution
Laser	180 films / h	530 dpi

Highlights
- Fully DICOM compatible
- Ready for up to three film trays
- Optional sorter available
- Fast multi-modality printer for optimal performance
- High density printing for mammography – Dmax 4.0

Printers

Konica Minolta · DryPro 832		
Technology	**Capacity**	**Resolution**
Laser	90 films / h	320 dpi

Highlights
- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to two film trays
- Support of five different film sizes

Konica Minolta · DryPro Sigma II		
Technology	**Capacity**	**Resolution**
Laser	110 films / h	508 dpi

Highlights
- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to two film trays
- Support of five different film sizes

DVD Burner

Chili · Burn Gateway

Highlights
- Receives data by DICOM C-Store
- Burns data on one or more CD / DVDs
- Optional reports
- Individual label printing
- Client enabled (different logos)
- CHILI viewer in report quality
- Alternative presentation as HTML and JPEG
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray

medigration · CD-Imager

Highlights
- Fully automatic compact system for creating DICOM patient CDs or DVDs
- Highly compatible with all digital DICOM modalities (multimodality)
- Individual labeling (practice / clinic logo)
- Easy integration of DICOM patient data
- Extremely cost effective due to quick printing times and low link consumption
- Format: CD-R, DVD-R, DVD+R, DVD-R DL, DVD+R DL
- Capacity: 30 CDs / h or 15 DVDs / h (burn and print)
- Magazine size: 2 × 50 pcs

DVD Import

Chili · Import Robot

Highlights
- Automatic import robot
- Import of patient CD / DVD
- 2, 5 or 10 drives
- 2 import trays (regular / express)
- 2 output trays (ok, failed)
- Optional virus scan
- Correction of foreign data
- Automatic DICOM transfer
- Works with any PACS

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Ultrasound

Canon · Aplio i800

Frequency range	Display mode	Display size
1 – 33 MHz	2D / 3D / 4D	23"

Highlights
- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging, Ultra High Frequency
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, Dispersion Imaging (WIP), MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio i700

Frequency range	Display mode	Display size
1 – 33 MHz	2D / 3D / 4D	23"

Highlights
- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio i600

Frequency range	Display mode	Display size
1 – 22 MHz	2D / 3D / 4D	23"

Highlights
- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio a550

Frequency range	Display mode	Display size
1,5 – 18 MHz	2D / 3D / 4D	23"

Highlights
- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio a450

Frequency range	Display mode	Display size
1.8 – 18 MHz	2D / 3D / 4D	21.5"

Highlights
- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging

Canon · Aplio 500

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D / 4D	21.5"

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, Acoustic Structure Quantification, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio 400

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D / 4D	21.5"

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio 300

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D / 4D	21.5"

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Xario 200G

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D / 4D	21.5"

Highlights
- Up to eight hours battery autonomy, two seconds startup from standby, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; SR, MPR, MultiView, Freehand 3D, Luminance
- Shearwave elastography with propagation curves, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist, Extensive line-up of transducers

Canon · Xario 200 Platinum Edition

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D / 4D	19"

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue
- Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime Shearwave elasto with propagation curves, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

Canon · Xario 100G

Frequency range	Display mode	Display size
1.8 – 18 MHz	3D/4D	21.5"

Highlights
- Up to 4 hours battery autonomy, two seconds startup from standby, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo,
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist, Extensive line-up of transducers

Canon · Xario 100 Platinum Edition

Frequency range	Display mode	Display size
1.8 – 18MHz	3D / 4D	19"

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo, EUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist

Canon · Viamo sv7

Frequency range	Display mode	Display size
1.5 – 10 MHz	–	12"

Highlights
- Portable ultrasound system
- Swivel touch screen, Tablet mode possible
- Single transducer input, expandable to three transducers
- Battery and AC operation, very fast boot time (< 10 s from standby to scanning), three hours battery support
- High color sensitivity, exceptional image quality
- Highly programmable Touch Screen, few buttons, easy to operate, protocol assist. Precision Plus, Aplipure Plus, Cardiac measurement kit and OB measurement package kit are pre-installed.

Canon · Viamo c100

Frequency range	Display mode	Display size
1.5 – 18 MHz	3D	15"

Highlights
- Up to two hours battery autonomy, 15 inch screen display
- High Density Beam former, Compounding, Speckle reduction, THI, Tissue Enhancement
- 3D-imaging: surface rendering, Virtual HD, depth cueing
- Auto IMT, needle enhancement, Quick Scan
- Magnesium alloy housing, height adjustable on cart, Quick Start (eight seconds from standby).

GE Healthcare · Logiq e

Frequency range	Display mode	Display size
1 – 18 MHz	2D	15"

Highlights
- Portable premium system with shared service capabilities
- Unique 4 button transducer (L4-12t) which offers you a 3rd hand
- Needle recognition feature for a better needle imaging
- CrossXBeam, B-steer and SRI imaging
- Logiq view (panoramic imaging)
- High frequency imaging up to 22 MHz for vascular and musculoskeletal exams
- Musculoskeletal suite with 2D PDI quantification and patient follow up settings

GE Healthcare · Logiq F8

Frequency range	Display mode	Display size
1 – 18 MHz	2 D / 3D	19"

Highlights
- Outstanding display properties as well as numerous innovative assistance functions support a confidant diagnosis
- Compatible with a wide range of transducers and different software packages
- Can be used in nearly all medical disciplines

GE Healthcare · Logiq P7 / P9

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D	21.5"

Highlights
- Personalized: intuitive console controls, personalized digital user interface "My Page", programmable 'User Defined' keys
- Patient-centric: Excellent image quality with minimal tweaking, superb B-mode spatial + contrast resolution, wide selection of high quality probes, excellent exam coverage, advanced imaging tools
- Photo Assistant, Remote Control (LP9)
- Practical: Compact, lightweight design, large 21.5" monitor and accessible 10.4" touchscreen, digital TGC +digital keyboard, automated tools, scanning on battery

GE Healthcare · Logiq S7 XDclear

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D	23"

Highlights
- Sensational Performance: S-Agile ultrasound beamformer, XDclear + matrix array transducer technology, image optimization tools, AutoTGC
- Smart Design: slim and light console, 23" High-Res widescreen display, 10.1" Touch Panel, raw data imaging, Compare Assistant, fully flexible configuration, enhanced portability
- Specialized Capabilities: a wide range of clinical packages like B-Flow, elastography with quantification, contrast imaging with amplitude modulation, B-Steer+, STIC + OmniView, scanning on Battery

Shear Wave Elastography

Assessment of Diffuse Liver Disease in Daily Clinical Practice

Giovanna Ferraioli, MD; Laura Maiocchi, MD; Carlo Filice, MD

Shear Wave Elastography is a non-invasive method to assess the staging and the progression of liver fibrosis with good sensitivity and reproducibility in conjunctions with blood tests. As recommended by EFSUMB and WFUMB guidelines on liver Shear Wave Elastography, a proper training in the acquisition of real time 2D with simultaneous Shear Wave Elastography is required, in order to obtain a better accuracy and intra-observer and inter-observer reproducibility of liver stiffness measurement. The illustrated clinical case below has been performed on the Mindray Resona 7 system by the team of experts at Ultrasound Unit of the "Fondazione IRCCS Policlinico San Matteo", Medical School University of Pavia (Italy).

Nowadays, NAFLD has become the most common liver disease. The term encompasses a large spectrum of disease, from simple steatosis to NASH that may evolve to liver cirrhosis with its related complications. Assessing the stage of liver fibrosis in patients with NAFLD is extremely important, since it has been reported that NAFLD patients with fibrosis, regardless of steatohepatitis or NAFLD activity score, have shorter survival respect to patients without fibrosis [1]. Patients with NAFLD are often asymptomatic and the diagnosis could be made incidentally on imaging requested for unrelated symptoms [2]. Our patient had significant liver steatosis on ultrasound examination. The availability of an ultrasound system, in which shear wave elastography technique is implemented, has allowed us to evaluate the liver stiffness as well. The results were compatible with significant fibrosis (F2), confirmed by liver biopsy.

The assessment of liver stiffness with shear wave elastography requires a very short time (few minutes) and gives the possibility to perform a thorough evaluation of the liver in the same session using ultrasound. It is a non-invasive technique easy to use after a proper training and without any discomfort to the patient. A value of liver stiffness within the normal range can rule out significant liver fibrosis if in agreement with the clinical and laboratory data.

www.mindray.com

References
1 Angulo P, Kleiner DE, Dam-Larsen S, et al. Liver fibrosis, but no other histologic features, is associated with long-term outcomes of patients with nonalcoholic fatty liver disease. Gastroenterology 2015;149:389-97.
2 Rinella ME. Nonalcoholic fatty liver disease: a systematic review. JAMA 2015 ;313:2263-73.

Patient with Non Alcoholic Fatty Liver Disease (NAFLD)

A 45-year-old male with abdominal pain in the right upper quadrant

- Overweight with a BMI of 28 kg/m^2
- Week alcohol intake < 10 drinks
- Uneventful past medical history except for appendectomy at age of 12
- Blood tests negative for hepatitis B virus and hepatitis C virus
- Mild increase of the transaminases and gamma-glutamyl transferase values
- Platelet count and other blood tests within the normal range

B-mode and Doppler Findings

- Bright liver with smooth margins
- Portal vein is patent and the mean portal blood flow velocity is 28 cm/s
- Flow in the hepatic veins has a biphasic pattern
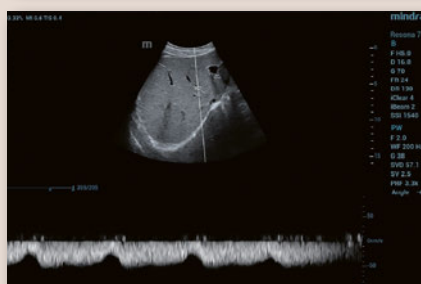
Shear Wave Elastography

- 2D-SWE with the STE technique of the Resona7 Mindray US system shows a median value of 8.83 kPa (IQR/M = 1.8 %). The value indicates significant fibrosis and the liver stiffness measurement is reliable

- Transient elastography with FibroScan device is performed in the same session soon after the evaluation with the Resona7 Mindray US system and the values obtained with the Fibroscan is 8.5 kPa. Liver biopsy, performed a week later, shown a fibrosis stage 2

mindray
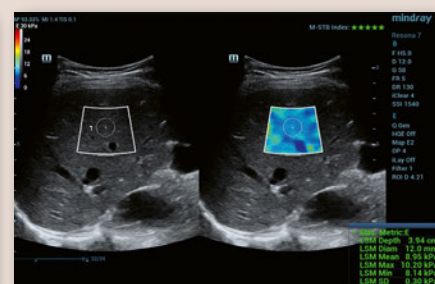
GE Healthcare · Logiq S8 XDclear 2.0

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	22"

Highlights
- Superb imaging: S-Agile ultrasound beamformer, XDclear and matrix array transducer technology, contrast imaging with amplitude modulation + optional HiRes settings, elastography with quantification, B-flow imaging, 22" High-Res widescreen OLED display
- Simplified workflow: slim and light console, fully flexible configuration, Scan Assistant, raw data imaging
- Scalable to your needs: wide applications coverage to maximize scan productivity, scanning on battery, integrated FibroScan module

GE Healthcare · Logiq E9 XDclear 2.0

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	22"

Highlights
- Extraordinary Images: Agile ultrasound beamformer with acoustic models, XDclear and matrix array transducer technology, CrossXBeam, SRI, 22"High-Res widescreen OLED display
- Expert Tools: contrast imaging with HiRes + amplitude modulation settings, Strain elastography + PDI with quantification, realtime 4D in CEUS mode, Volume Navigation with fusion, 3D GPS + Needle Tracking
- Easy Workflow: Scan Assistant, raw data imaging, Q&R with multimodality imaging navigation

GE Healthcare · Logiq E10

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	22"

Highlights
- The Logiq E10 provides a new standard in imaging, advanced tools, and enhanced workflow ergonomics
- cSound Imageformer ensures outstanding uniformity from near to far
- E-Series and new XDclear probes: Powerful high fidelity and broad bandwidth produce high resolution images whether scanning superficial or deep targets – or at any point in between
- Future-oriented technologies such as remote access via app and numerous automated tools for subtle diagnostic clarification

GE Healthcare · Venue

Frequency range	Display mode	Display size
2 - 13 MHz	2D	19"

Highlights
- Designed for the emergency room and the intensive care unit: The Venue system features a shock tool kit (Auto IVC, Auto VTI, Auto B-Lines)
- The 19" LCD multi-touch monitor allows easy operation
- The system provides a splash-proof, easy-to-clean and disinfect smooth surface

GE Healthcare · Venue 50

Frequency range	Display mode	Display size
1 – 18 MHz	2D	10.4"

Highlights
- High-performance tablet with sleek and portable design easily fits into tight spaces
- The single-surface screen can be easily cleaned and disinfected
- Offers Pinpoint GT, an advanced needle guidance technology that provides greater control over needle placement with twice the accuracy of conventional ultrasound needle guidance. Flexible data management and connectivity options, with optional DICOMTM, help speed image storage and archiving for physicians at the Point of Care. Ophthalmic mode & Needle recognitional patient bedside.

GE Healthcare · Vscan Extended

Frequency range	Display mode	Display size
1.7-3.8 / 3.3-8.0 MHz ph/lin	2D	3.5"

Highlights
- Its pocket-sized portability – one-hand operation
- Patient imaging – immediately and non-invasively – for basic or focused assessment
- Can be used during routine periodic monitoring and triage assessments or during procedural guidance as well the use in the home healthcare environment
- Vscan Extend app available (e.g. Lung Protocol & Assisted bladder volume measurement)
- Vscan Extend is offering WIFI & DICOM connectivity configurations
- Harmonic Imaging & Color Doppler – able to differentiate between stationary and flowing liquids
- Weight: 430 g

GE Healthcare · Invenia ABUS

Frequency range	Display mode	Display size
6 – 15 MHz	3D	17"

Highlights
- Clinical Excellence: Screening with ABUS has a 57 % relative increase in invasive breast cancers identified in dense breast tissue using supplemental ABUS[1]
- Powerful Imaging Architecture for user-independent and standardized Volume acquisition
- Innovative Technology: Reverse Curve Transducer with One Button automation
- CE / FDA approved for Screening and Diagnosis

1 Wilczek, Leifland, et.al. Adding 3D Automated Breast Ultrasound to mammography screening in women with heterogeneously and extremely dense breasts. Report from a hospital-based, high-volume, single-center breast cancer screening program. European Journal of Radiology 85 (2016) 1554–1563

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Hitachi · Arietta 850

Frequency range	Display mode	Display size
1 – 22 MHz	3d / 4 D	22"

Highlights
- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 22" OLED monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications
- Advanced modalities: SWM, ATT, Real-time Elastography, Combi-Elasto, CEUS, RVS Fusion, 3D SIM navigator, E-field Simulator, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · Arietta 850SE

Frequency range	Display mode	Display size
1 – 22 MHz	3D / 4D	23"

Highlights
- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 23" LCD monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications
- Advanced modalities: SWM, ATT, Real-time Elastography, CEUS, RVS Fusion, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · Arietta V70

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	21"

Highlights
- Multi-disciplinary platform, ergonomic design
- Symphonic Technologies underpin high quality of diagnostic images
- High quality 21" IPS-PRO high contrast monitor
- Wide range of transducers for interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, CEUS, RVS Fusion, 3D SIM Navigator
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, 2D Tissue, Protocol Assistant

Hitachi · Arietta 65

Frequency range	Display mode	Display size
1 – 18 MHz	2D	21.5"

Highlights
- Compact multi-disciplinary platform with comfortable workflow, high definition imaging and useful application from premium platform
- Automated process features: Protocol Assistant, Auto-Optimizer, Auto Measurement
- Battery
- Unique image processing technology underpin outstanding image quality
- 21.5" LCD Widescreen Monitor, fully articulating monitor arm
- Wide range of transducers for GI, urology and TEE applications
- Advanced modalities & analysis: Dual gate Doppler, Strain Elastography, CEUS, 2DTT

Hitachi · Arietta V60

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	17" / 21"

Highlights
- Lightweight compact multi-disciplinary platform with ergonomic design
- Symphonic Technologies underpin outstanding image quality
- High quality 17" or 21" IPS-PRO LCD
- Wide range of transducers include interventional guidance, urology and TEE applications
- Advanced modalities & analysis: Strain Elastography, CEUS, Time Intensity Curve, eTracking, Protocol Assistant

Hitachi · Arietta 50

Frequency range	Display mode	Display size
1 – 15 MHz	2D	21"

Highlights
- Lightweight compact multi-disciplinary platform with intuitive workflow, clear imaging, and easy-to-use applications
- Automated process features: Auto Optimizer, Doppler auto trace, Automated Measurement (IMT, NT)
- Simplified and user-friendly interface
- Battery
- Unique image processing technology underpin outstanding image quality
- Widescreen 21" LCD monitor
- Transducers for GI
- Advanced modalities: CEUS

Hitachi · Arietta 50LE

Frequency range	Display mode	Display size
1 – 15 MHz	2D	21"

Highlights
- Lightweight compact multi-disciplinary platform with intuitive workflow, clear imaging, and easy-to-use applications
- Automated process features: Auto Optimizer, Doppler auto trace, Automated Measurement (IMT, NT)
- Simplified and user-friendly interface
- Battery
- Unique image processing technology underpin outstanding image quality
- Widescreen 21" LCD monitor with fully articulating monitor arm
- Transducers for GI
- Advanced modalities: CEUS

Hitachi · Arietta Precision

Frequency range	Display mode	Display size
1 – 18 MHz	2D	21.5"

Highlights
- For surgical use, full range of transducers
- High image quality – uses same advanced image processing technologies as high-end systems
- 21.5" monitor incorporates a full touch panel
- Tablet-style remote allowing a flexible layout in the OR
- Simple and intuitive to use with automatic image optimisation and presets
- All parts fully compatible with commonly-used disinfectant procedures

Hitachi · Arietta Prologue

Frequency range	Display mode	Display size
1 – 18 MHz	2D	12"

Highlights
- For POC use, Scan-Synch function
- Compact design, high mobility, in-built battery for portable use
- Simple and intuitive to use, tablet-style with touch screen control
- Hand carry, can be used with probe tray or cart
- Ethernet, Wi-Fi, Bluetooth network connections
- Option of 14 transducers, offers high quality imaging for a broad range of applications including MSK, rheumatology, emergency medicine, anaesthesiology

Hitachi · Noblus

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	15 "

Highlights
- Uses high-end technology migrated from HI VISION platforms
- Wide range of compatible transducers for many different clinical applications
- Premium image quality and advanced functions
- Flexibly designed in the form of a laptop PC with optional cart
- Unique space-saving design
- Tilt and swivel monitor
- Smart Touch feature for parameter adjustment by direct touch on image screen

Hitachi · iVu Sofia – 3D breast ultrasound system

Frequency range	Display mode	Display size
5 – 13 MHz	3D	--

Highlights
- Ultrafast automated bilateral whole breast
  3D image acquisition (< 1 min/breast)
- Compatible with Noblus, Arietta V70, V60
  and 92 mm Broad Band Linear Transducer
- Adjunct to mammography for dense breast patients
- Whole breast 3D imaging for patients where mammography is contraindicated
- Identification of bilateral and multi-focal disease
- Comfortable exam in prone position, radial image acquisition

Hologic · Viera – Portable Breast Ultrasound

Frequency range	Display mode	Display size
4 – 14 MHz	2 D	Platform dependent

Highlights
Viera ultrasound is the first wireless
portable scanner with true breast diagnostic
image quality. Its specifications –
4 – 14 MHz frequency, 192 elements,
four software beamformers, and mode
support for B, Color and pulsed wave – rival
those of traditional systems. The Viera ultra-
sound's exceptional portability and versatility
beyond breast applications enable on-demand
access to imaging throughout your facility.

Konica Minolta · Sonimage HS1

Frequency range	Display mode	Display size
Up to 18 MHz	2D	15"

Highlights
- Triad Tissue Harmonic Imaging (3 THI)
- SNV – Simple Needle Visualization
- Newly developed multi-frequency probes up to 18 Mhz
- Portable system with built-in battery
- Start-up from standby within 15 seconds
- Excellent for MSK / orthopaedic, nerve, vascular and anaesthesia
- Rotatable and tiltable 15 inch touch-screen
- Weight: 7.8 kg

Konica Minolta · Sonimage MX1

Frequency range	Display mode	Display size
Up to 14 MHz	2D	12.1"

Highlights
- Portable Point-of-Care ultrasound
- Dual Sonic Technology
- Tailored for MSK & Anesthesia
- One-touch image optimization for quick diagnosis
- Multi Parameter Adjuster function
- Simple Needle Visualization (SNV) for guided injections
- High quality – Made in Japan
- Weight: 4,5 kg

Mindray Medical · Resona 7

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	21.5"

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete set of tools – V Flow, Fusion Imaging, RIMT and CEUS – for Radiology and clinical research

Mindray Medical · Resona 6

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	21.5"

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research

Mindray Medical · DC-80A with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	23.8"

Highlights
- Superb 3D / 4D with single crystal volume and Hyaline
- Outstanding ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Large touch screen (13.3") & Full HD monitor (23.8"), five active sockets
- Best in class shear wave (STE & STQ)
- Built-in battery for continuous scanning

Mindray Medical · DC-80 with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	21.5" / 23.8"

Highlights
- Single Crystal with 3T technology transducer, ComboWave transducer, interventional transducer
- Best in class shear wave(STE & STQ), NTE (shell), UWN+ CEUS, ART Flow, TT QA, LVO
- Dual-wing floating arm, powerful and intuitive gestures, MedTouch

Mindray Medical · DC-70 Exp with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	13.3" / 21.5" / 23.8"

Highlights
- Top in class 3D/4D with single crystal volume and Hyaline
- Best in class ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Largest Full HD monitor (21.5" / 23.8") and ultra-slim touch screen (13.3")

Mindray Medical · DC-60 Exp with X-insight

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	21.5"

Highlights
- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Mindray Medical · DC-40 with Full HD

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	21.5"

Highlights
- 21.5" full HD LED monitor with 1,920 × 1,080 resolution
- Upgraded one-key auto image optimization solution
- One-key to switch the exam mode
- Complete features: Smart Face, Smart FLC and IVF application package, Smart V, Smart Track
- Higher compatibility of power supply requirement

Mindray Medical · M9

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	15"

Highlights
- Advanced premium level laptop style color Doppler offering easy handling and mobility
- Rich in technology such as 3T transducer with single crystal and high dynamic range flow
- Ideal shared-service solution suitable to be used within muptiple clinical settings
- Intelligent workflow with iTouch (one key image optimisation)
- User-defined operation to improve work efficiency

Mindray Medical · M7 Premium

Frequency range	Display mode	Display size
2 – 16 MHz	3D / 4D	15"

Highlights
- 15" LCD monitor
- Free Xros M-mode: anatomic M-mode
- Contrast imaging
- Elastography imaging
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- iNeedle: needle visualization enhancement

Mindray Medical · TE7

Frequency range	Display mode	Display size
1 – 16 MHz	3D	15"

Highlights
- Touch enabled repsonse providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features eSpacial Navi, iNeedle+, AutoEF, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · ZS3 Diamond Edition

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	19"

Highlights
- ZST featured
- Focused image across the full field view
- CEUS with superior sensitivity, spatial resolution and temporal resolution
- ARFI
- Complete transducer solution with transducer tracking technology
- Automatic Image Optimization reduces exam time
- Weight: 66kg

Mindray Medical · Z.One PRO

Frequency range	Display mode	Display size
1 – 14 MHz	3D / 4D	17"

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery
- Weight: 66 kg

Samsung · RS85

Frequency range	Display mode	Display size
–	3D / 4D	23"

Highlights:
- Premium ultrasound system that adopted the integrated solution built with exquisite image quality and expert tools
- Advanced imaging functions (MV-Flow, HQ Vision)
- Quantitative measurement tools (S-Shearwave, S-Shearwave Imaging, S-3D Arterial Analysis)
- Interventional procedure (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Diagnostic guidance tool (S-Detect)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23" LED monitor / 13.3" tilting touch screen

Samsung · RS80A with Prestige

Frequency range	Display mode	Display size
–	3D / 4D / 5D	23"

Highlights:
- Premium ultrasound system that offers superior imaging performance for radiology
- Interventional procedure (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, S-3D Arterial Analysis)
- Advanced imaging function (HQ Vision)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Diagnostic guidance tool (S-Detect)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23" LED monitor / 13.3" tilting touch screen

Samsung · WS80A with Elite

Frequency range	Display mode	Display size
–	3D / 4D / 5D	23"

Highlights:
- Premium ultrasound system with innovative technologies for women's health
- Efficient diagnosis with 5D solutions (5D Heart Color, 5D CNS+, 5D Follicle, 5D NT, 5D Limb Vol.)
- Innovative volume rendering technologies (Crystal Vue Flow, Crystal Vue, Realistic Vue)
- Ovarian tumor classification tool (IOTA-ADNEX)
- Accurate diagnosis for breast (S-Detect, E-Strain)
- Elastography for cervix (E-Cervix)

Samsung · HS70A with Prime

Frequency range	Display mode	Display size
–	3D / 4D / 5D	23"

Highlights:
- High-end ultrasound system enables high efficiency in practice
- Diagnostic guidance tool (S-Detect)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, Arterial Analysis)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Cardiac solutions (Strain+, Stress Echo)
- Needle guidance technology (NeedleMate+)
- 23" LED monitor / 10.1" touch screen

Samsung · HS60

Frequency range	Display mode	Display size
–	3D / 4D / 5D	21,5"

Highlights:
- High-end ultrasound system with versatile diagnostic solutions
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Elastography for breast with strain ratio (E-Strain)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · HS50

Frequency range	Display mode	Display size
–	3D / 4D / 5D	21.5"

Highlights:
- Slim and compact ultrasound system for wide applications range
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · HS40

Frequency range	Display mode	Display size
–	3D / 4D / 5D	21.5"

Highlights:
- Fully equipped ultrasound system for everyday efficiency
- Advanced imaging functions (S-Harmonic, ClearVision, MultiVision)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen / Gas lift / Side pocket

Samsung · HS30

Frequency range	Display mode	Display size
–	3D / 4D / 5D	21.5"

Highlights:
- Ultrasound system which represents efficient performance and intelligent design
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (EZAssist, EZ-Exam+, EZCompare)
- 21.5" LED monitor / Side pocket

Samsung · HM70A with Plus

Frequency range	Display mode	Display size
–	3D / 4D	15"

Highlights:
- Laptop design to suit various diagnostic environments
- Advanced imaging functions (ClearVision, HDVI, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate)
- User-oriented features (ADVR, EZ-Exam+, QuickScan)
- Fast booting within 20 sec
- Full screen mode
- 15" LED monitor / Optional cart (3 transducer ports / extended battery)

Samsung · PT60A

Frequency range	Display mode	Display size
–	2D	10.1"

Highlights:
- Improved point-of-care usability with tablet design
- Advanced imaging function (ClearVision)
- Needle guidance technologies (NeedleMate, Beam Steer)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- User-oriented feature (QuickScan)
- 10.1" LED full touch screen monitor / Lightweight (3.6 kg) / Long battery life (80 Min)
- Optional cart (height-adjustable / 3 transducer ports / basket space / encased printer)

Siemens Healthineers · Acuson Sequoia Ultrasound System

Frequency range	Display mode	Display size
1 – 17.8 MHz	2D	15.6" / 22"

Highlights
- Unique BioAcoustic technology delivers highest signal fidelity for deep tissue penetration without impacting diagnostic quality of up to 40 cm
- Ultra-fast, fully focused B-mode imaging without degradation of near or far field resolution. Color flow and color sensitivity without flashing or artifacts
- Advanced applications, such as contrast-enhanced ultrasound and elastography allow a personalized approach to provide accurate and reproducible results

Siemens Healthineers · Acuson Juniper Ultrasound System

Frequency range	Display mode	Display size
1.1 – 18 MHz	2D / 3D / 4D	13.3 / 21.5"

Highlights
- High-performance, shared-service system for virtually every patient with one of the industry's smallest footprint
- Five active transducer ports and one CW port support 16 transducers for a wide variety of capabilities – from radiology, interventional radiology, cardiology, urology to orthopedics and OB / GYN
- High-fidelity acoustic signals greatly reduce noise and offer premium image quality with industry-leading elasticity solutions

Siemens Healthineers · Acuson X600

Frequency range	Display mode	Display size
1.3 – 11.4 MHz	2D / 3D / 4D	20"

Highlights
- Optimized workflow to improve patient throughput
- QuickStart standby mode to facilitate rapid mobility between scanning rooms
- 3D / 4D imaging with new ergonomic, lightweight transducers

Siemens Healthineers · Acuson Freestyle

Frequency range	Display mode	Display size
2 – 15 MHz	2D	15"

Highlights
- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display improve procedural confidence in interventional settings
- Empowered workflow with zero cable-drag and single-user operation via integrated scanning controls

Siemens Healthineers · Acuson Freestyle Elite

Frequency range	Display mode	Display size
2 – 15 MHz	2D	15"

Highlights
- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display may improve procedural confidence in interventional settings
- Automatically populate patient registration data between systems with Artis Patient Synchronization using Artis Access

Siemens Healthineers · Acuson SC2000 PRIME

Frequency range	Display mode	Display size
1.25 – 10 MHz	2D / 3D / 4D	21.5"

Highlights
- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves
- Capable of 2D and 4D TTE, TEE, and ICE and TrueFusion on one system
- Comprehensive 1-click knowledge-based advanced clinical applications: eSie Measure, eSie LVA, eSie Left Heart and eSie Valves
- Advanced applications to support routine echo and interventional guidance with eSie PISA, eSie VVI, Volume Right Ventricular Analysis (RVA), Septal Guide, TrueFusion and more

Siemens Healthineers · Acuson S Family Ultrasound Systems

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D / 4D	12.1 / 21.5"

Highlights
- Superior imaging performance in general imaging, interventional radiology and women's health with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: eSieFusion multi-modality imaging, ARFI shear wave & manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel to eliminate unnecessary keystrokes

Siemens Healthineers · Acuson S2000 Breast Volume Scanner

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D / 4D	12.1 / 21.5"

Highlights
- Automated volume acquisition for operator-independent, standardized 3D imaging to enable consistent, reproducible results improving the quality of breast imaging
- Excellent 2D imaging capabilities using hand-held high-frequency HD transducers
- Advanced technologies to expand clinical capabilities: manual and shear wave elastography, multi-modality review
- Read anytime. Anywhere. syngo.Ultrasound Breast Analysis reading software

Siemens Healthineers · Acuson P500

Frequency range	Display mode	Display size
1.3 – 16 MHz	2D	15.4"

Highlights
- innovative technologies that automatically detect and prevent motion artifacts, reduce noise, and simultaneously enhance color
- 15" infrared touch screen improves gesturing accuracy
- Increase patient throughput with mobile quick scanning and boot-up times of less than 30 seconds
- The new IntraCardiac Echocardiography (ICE) Edition integrates the imaging capabilities of the Acuson AcuNav catheters providing real-time visualization of cardiac anatomy within the heart

Siemens Healthineers · Acuson NX3 Elite

Frequency range	Display mode	Display size
1.3 – 16 MHz	2D / 3D / 4D	10.4" / 21.5"

Highlights
- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3x more user-defined keys
- 21.5" HD display and 220° endo-cavity transducer provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · Acuson NX3

Frequency range	Display mode	Display size
1.3 – 12 MHz	2D / 3D / 4D	10.4" / 21.5"

Highlights
- Powerful platform driven by efficiency and built for performance
- Intuitive user interface with up to 28 % fewer keystrokes and 3 x more user-defined keys
- 21.5" HD display provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · Acuson NX2

Frequency range	Display mode	Display size
2 – 10 MHz	2D	21.5"

Highlights
- Provides premium imaging performance using a cost-efficient, eight-transducer set to perform a wide range of exam types at a sustainable value
- Intuitive control panel design combined with up to four front-facing transducer ports optimize workflow efficiency
- Large 21.5" 1080 p HD display; Twice the pixel density
- Simplified control panel designed to enable operator efficiency and speed-up completion of essential tasks

Siemens Healthineers · Acuson NX2 Elite

Frequency range	Display mode	Display size
2 – 10 MHz	2D	21.5"

Highlights
- Provides premium imaging performance using a cost-efficient, ten-transducer set to perform a wide range of exam types at a sustainable value
- Intuitive control panel design combined with up to four front-facing transducer ports optimize workflow efficiency
- Large 21.5" 1080 p HD display; Twice the pixel density
- Migrated optional advanced clinical applications such as DTI, eSie Touch elasticity & advanced foursight technology

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SIUI · Apogee 5800 Genius

Transducer inputs	Display mode	Display size
6	3D/4D	23" / 13.3"

Highlights
- 23" LED monitor / 13.3" touch screen, four USB ports, gel warmer
- New imaging algorithm and optimizing processing technology empower premium image quality.
- SWE (Shear Wave Elastography) offers a much more accurate way to detect disease of some deeper organs.
- Ultrasound Contrast Imaging applies in clinical difficult parts such as 2D liver, 4D oviduct contract imaging etc.
- Professional functions like Auto EF, Auto Strain, Stress Echo offers ideal clinical solutions for cardiology
- SIUI MAI: available for remote pre-sales demonstration, remote application and technical instructions, online public classes ect.
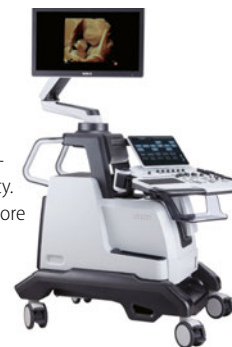
SIUI · Apogee 6500

Transducer inputs	Display mode	Display size
5	3D/4D	23" / 13.3"

Highlights
- 23" LED monitor / 13.3" touch screen, four USB ports, gel warmer
- Cardiology: Auto Echo EF, Auto Strain, Stress Echo, Anatomic M Mode (5 Lines)
- OB/GYN: Lumi 4D, 4D Pro (n-Slice, Any-Cut, Q-cut), Elastography
- Anesthesia: Needle Enhancement
- Hepatology: Ultrasound Contrast Imaging
- Excellent probe performance on Urology and Neonatology
- SIUI MAI: available for remote pre-sales demonstration, remote application and technical instructions, online public classes ect.
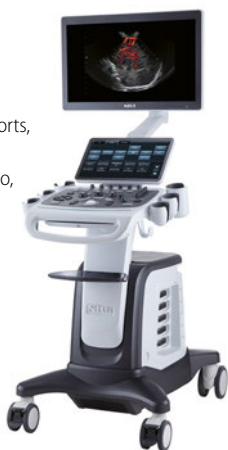
SIUI · Apogee 6300

Transducer inputs	Display mode	Display size
4	3D/4D	23" / 13.3"

Highlights
- 23" LED monitor / 13.3" touch screen, four USB ports, 500 GB hard disk image archiving
- Equipped with the most advanced imaging technology like Balanced echo compensation, Fuzzy multi-filter, Fuzzy frequency encoding and Fuzzy logic flow, it presents excellent image quality.
- OB/GYN: Lumi 4D, 4D Pro (n-Slice, Any-Cut, Q-cut), Elastography
- Cardiology: Auto EF, Auto Strain, Stress Echo, Anatomic M Mode (Five Lines)
- Radiology: Needle Enhancement, Ultrasound Contrast Imaging, Elastography, Auto IMT
- SIUI MAI: available for remote pre-sales demonstration, remote application and technical instructions, online public classes ect.

SIUI · Apogee 5800

Transducer inputs	Display mode	Display size
6	3D/4D	23" / 10.4"

Highlights
- 23" Medical LED monitor / 10.4" touch screen, gel warmer, special probe holder for different endo-cavity probes
- Intelligent image processing platform Smartech Engine optimizes image quality
- Professional application tools like Auto SG, Auto EF, Lumi 4D, Needle enhancement facilitate demanding clinical practice
- SIUI MAI

SIUI · Apogee 5500

Transducer inputs	Display mode	Display size
4	3D/4D	19" / 10.4"

Highlights
- iF design award, 19" medical LED monitor / 10.4" touch screen, detachable gel warmer cup
- Exclusive technology including Balanced echo compensation, Fuzzy logic flow, Nanopure and Nanoview boosts satisfactory image quality.
- Comprehensive assessment tools insure confident diagnosis in cardiology, OB/GYN, MSK etc.
- SIUI MAI

iF DESIGN AWARD 2015

SIUI · Apogee 5300 (upgrade 2.0)

Transducer inputs	Display mode	Display size
4	3D / 4D	19" / 10.4"

Highlights
- 19" medical LED monitor/ 10.4" touch screen, distinct control panel with intuitive layout
- Promising image quality relies on newly upgrade technology including Fusion THI 2.0, Xbeam, Balanced echo compensation, VS Flow and 5Q probe technology.
- Needle enhancement facilitates visualized practice
- Auto IMT accomplishes accurate assessment
- Quick EF enables efficient diagnosis
- 4D nSlice, Any cut and Opti-4D carries out effortless scanning

iF DESIGN AWARD 2015
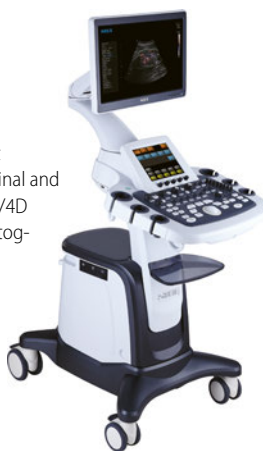
SIUI · Apogee 3500 Elite

Transducer inputs	Display mode	Display size
4	3D / 4D	18.5" / 8.4"

Highlights
- 18.5" LED monitor / 8.4" touch screen, independent probe and cable management
- OB / GYN: The system supports both abdominal and transvaginal volumetric probes to realize 3D/4D imaging in OBG, and linear probes with Elastography image.
- Cardiology: The system is endowed with complete functions and professional cardiac measurement packages with over 800 items.
- Radiology: The system boasts all functions for radiology including VS Flow, Panoscope, Needle enhancement etc.

SIUI · Apogee 3300 Neo

Transducer inputs	Display mode	Display size
4	3D / 4D	((Value)) "

Highlights
- Lower down power supply avoids current interference
- Leading imaging technology: Balanced echo compensation delivers much more uniform image, Fuzzy logic flow enhance flow sensitivity, Fusion THI 2.0 presents image with enhanced resolution and tissue contrast, Xbeam 2.0 increases spatial resolution.
- Complete application package in women's healthcare, cardiovascular and radiology fulfills your need.
- Efficient auto solutions including Auto fit, Auto trace, Auto volume, Quick EF etc.

SIUI · Apogee 1000 Neo

Transducer inputs	Display mode	Display size
1/ extender 2 or 4	2D	15"

Highlights
- 15" LED monitor 90° left and right rotatable
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: mini desktop probe extender, trolley and travelling backpack
- Smart tools allow easy and confident diagnosis: MFI renders premium images with outstanding resolution, high contrast and enhanced penetration,

Nanoview presents tiny images with distinct tissues and enhanced edge, TDI and Simpson Auto Tracing offer reliable diagnosis on cardiology.

SIUI · Apogee 2300

Transducer inputs	Display mode	Display size
2	3D / 4D	15"

Highlights
- Compact design: 15" medical LED with tilting angle, user-orientated control panel, detachable Li-ion batteries, optional accessories including trolley, probe extender, backpack, carry case etc.
- All-round application packages like Auto EF, Auto SG, 4D Pro, Elastography, Needle enhancement, render abundant clinical solutions.
- Daily diagnosis relies on simple and smart work-flow: Smarchive, complete and professional measurement package across applications, user-friendly setting, and professional report system.

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SIUI · Apogee 2100

Transducer inputs	Display mode	Display size
2	3D / 4D	15 "

Highlights
- 15" LED monitor with wild tilting angle, detachable battery, various external interfaces, light weight
- Promising performance from advanced technology: MFI, Xbeam, VS Flow
- Versatility across different applications: 4D Pro, Elastography, Panoscope etc.
- Convenient workflow facilitates efficiency: intuitive interface, Smarchive, professional clinical diagnosis and report system, general application measurement package, DICOM 3.0

SIUI · Apogee 1000 Lite

Transducer inputs	Display mode	Display size
1	2D	15 "

Highlights
- 15" LED monitor tip-back up to 125°
- Detachable battery with working time about 6 – 7 hours when fully charged
- Operational accessories: cable for car cigarette lighter, car battery charger
- A variety of professional probes cover all applications including OBG, Cardiology, Urology, abdomen, small parts etc.

SIUI · CTS-8800 Plus Color

Transducer inputs	Display mode	Display size
2	3D / 4D	15"

Highlights
- 15" LED monitor, built-in lithium battery
- Enhanced B/W image and upgradable color Doppler package
- Advance imaging technology: Speckle reduction technology, Trapezoidal imaging, Smart one key optimization, Pulsed Wave Doppler, Smarchive
- Value-added clinical solutions: Versatile 4D Lite, Xbeam, Panaromic, SonoAir

SIUI · Apogee 5300V Neo

Transducer inputs	Display mode	Display size
4	3D / 4D	10.4"

Highlights
- Ergonomic design with 10.4" touch screen
- Advanced technology: MFI, Nanoview, XBeam, FusionFreq, Fusion THI etc
- Innovative diagnostic tools: ECG,TDI, CW, VS Flow, Smarchive
- Complete application: abdomen, reproductive systems, cardiology, etc
- Powerful data management including report, hard disk, DICOM 3.0, USB ports and DVD-RW
- General application: canine, feline, bovine, equine

SIUI · Apogee 1000V Neo

Transducer inputs	Display mode	Display size
1 / optional 2 or 4	2D	15"

Highlights
- 15" Monitor 90° left and right rotatable
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: mini desktop probe extender, trolley and travelling backpack
- Advanced image technology: MFI, Nanoview, XBeam, FusionFreq, Fusion THI and so on
- General application: canine, feline, bovine, equine, ovine, porcine

SIUI · Apogee 2300V

Transducer inputs	Display mode	Display size
2	3D / 4D	15"

Highlights
- Compact design: 15" medical LED with tilting angle, user-orientated control panel, detachable Li-ion batteries, optional accessories including trolley, probe extender, backpack, carry case etc.
- Advanced imaging technology: MFI, VS Flow, Nanoview, XBeam etc.
- Full functional application packages: CW, PW, TDI, user-oriented workflow etc.
- General application: canine, feline, bovine, equine, ovine, porcine

SIUI · Apogee 2100V

Transducer inputs	Display mode	Display size
2	3D / 4D	15"

Highlights
- 15" LED Monitor with titling angle
- User-oriented control panel, operate fluently
- Replaceable Li-ion batteries support 1 hour continuous scanning
- Leading image technology: MFI, Nanoview, XBeam, Fusion THI etc.
- General application: canine, feline, bovine, equine, ovine, porcine

SIUI · CTS-8800V Plus

Transducer inputs	Display mode	Display size
2	2D / 3D	15"

Highlights
- 15" LED monitor
- Built-in lithium battery
- Enhanced B/W images, PW imaging and upgradable color Doppler package
- Advanced imaging technology: Spatial compound imaging, Speckle reduction technology, Trapezoidal imaging etc.
- General application: canine, feline, bovine, equine

SIUI · CTS-800

Transducer inputs	Display mode	Display size
1	2D	7"
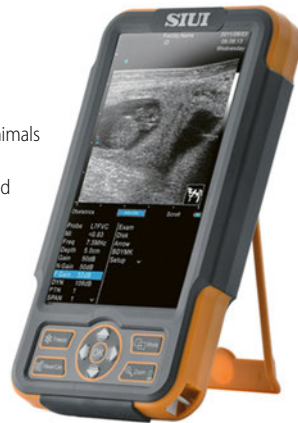
Highlights
- Handheld ultrasound scanner for farm animals
- 7" WVGA LCD monitor
- Environmental rating: IP54 (main unit) and IP67 (probe head)
- Three hours operating time
- Software and report for reproductive system
- Gravity sensor for layout change (transverse / vertical)
- Measurement for distance, area, circumference, volume, angle, heart rate
- Video glasses

SIUI · IBUS 60

Transducer inputs	Display mode	Display size
4	4D	–

Highlights
- Intelligent breast volume ultrasound system, third of its kind in the world
- Offers high resolution image and reduces missed diagnosis, ideal for breast and dense breast exams
- Acquires data from multi-section, multi-angle and multi-direction
- Coronal scanning intuitively shows anatomical information of breast tissue in supine position during operation
- Exceptional diagnosis experience: unique double coupling, mute scanning, automatic reset after scanning, customized scanning protocol, 3D-positioning, Nanopure speckle reduction technology, breast health report system

SuperSonic Imagine · Aixplorer Mach 30

Frequency range	Display mode	Display size
1 – 20 MHz	3D	23"

Highlights
- Modern ergonomic design to maximize comfort and drive efficiency
- Intuitive SonicPad, 77 % less hand gestures and 32 % reduction of exam time
- Next-generation of UltraFast imaging, up to 20 kHz frame rate
- Exceptional image quality to handle exams with confidence
- Real-time Elastography ShearWave PLUS with larger box and increased frame rates. Optimized on a wide range of probes and applications

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Testing Devices

IBA Dosimetry · Test Device Primus A
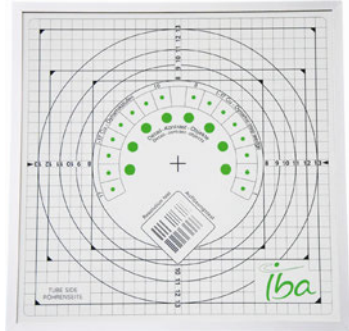
Highlights

Test device Primus A is designed according DIN 6868-150 & DIN 6868-4 for Quality assurance at radiography and fluoroscopy systems.
• 17 steps for dynamic verification
• 8 low contrast sensitivity circles
• Grid for easy and efficient determination of light- & beam field alignment as well as geometrical distortions

IBA Dosimetry · DIGI-13
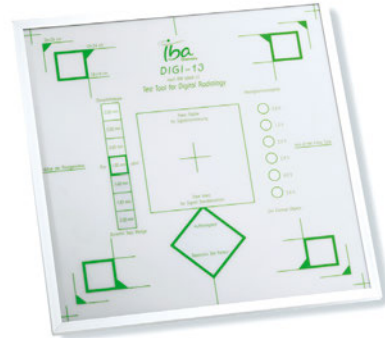
Highlights

For quality checks at digital radiographic systems (CR / DR) according DIN 6868-13.

Test parameter:
• Uniformity	• Image scale
• Spatial resolution	• Artifacts
• Alignment of light and beam field	• Geometrical distortion

IBA Dosimetry · ETR1 incl. Centering Tube
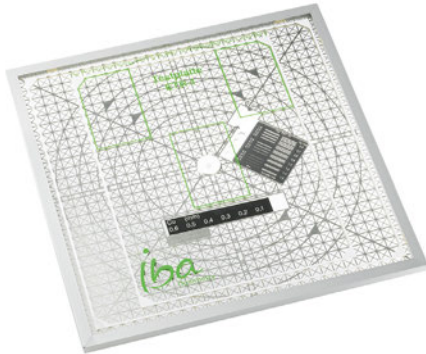
Highlights

For quality checks of conventional radiography systems; according DIN 6868-3; including holder for chest wall stand.

Test parameter:
• Spatial resolution	• Alignment of light and beam field
• Low contrast	• Geometrical distortion
	• Measuring areas for optical density

IBA Dosimetry · Mammo-162

Highlights

For quality assurance / acceptance test of digital Mammography Systems, according DIN 6868-162.
• 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
• 6 mm structural plate with recess for test inserts
• Test insert: PMMA, SDNR & High Contrast
• 3 × 20 mm / 1 × 10 mm / 1 × 4 mm PMMA attenuation plates
• 1 × 20 mm PMMA full field attenuation plate (260 × 320 mm)

IBA Dosimetry · Mammo-152
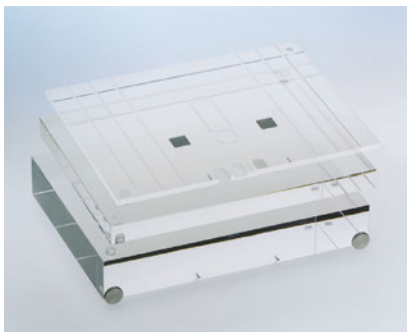
Highlights

For quality assurance / acceptance and constancy tests according DIN 6868-152, DIN 6868-7, IEC 61223-3-2 and EPQC (EUREF) in conventional mammography.

Test parameter:
• Object thickness and tube voltage compensation resp. AEC reproducibility	• Spatial and contrast resolution
	• Artifacts / Geometry
	• Check of the image limitation towards the thorax side

IBA Dosimetry · Mammo-14

Highlights

For quality assurance / constancy test at digital mammography systems according DIN 6868-14.
• 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
• 6 mm structural plate with recess for test inserts
• Test insert: PMMA, SDNR & High Contrast
• 3 × 20 mm / 1 × 10 mm / 1 × 4 mm PMMA attenuation plates
• 2 × 20 mm PMMA full field attenuation plate (260 × 320 mm)

IBA Dosimetry · DSA Test Device
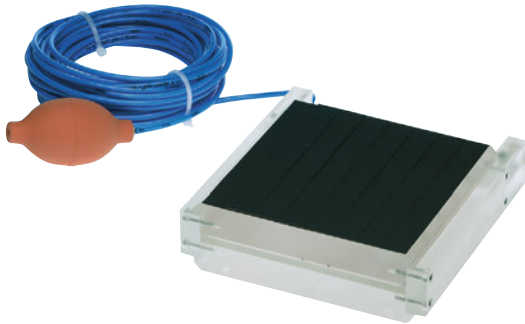
Highlights
For Quality Assurance of
"Digital Subtraction Angiography"
(according DIN 6868-150, DIN 6868-4,
IEC 61223-3-3)

Test parameter:
• Cupper dynamic step wedge
  with logarithmic check
• DSA contrast sensitivity
• Artefacts

IBA Dosimetry · DVT-3D

Highlights
Test of 3D image quality
of "Digital Volume Tomography"
(DVT) systems, according
DIN 6868-150 / DIN 6868-4.
Optional Carbon adapter for easy
and precise positioning in the beam
without artifacts.

Spatial parameter:
• Detail resolution
• Uniformity and noise
• Laser marks for convenient
  positioning in iso-center

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IBA Dosimetry · 2-part PMMA CT-Phantom

Highlights
Phantom for measurements of CTDI according IEC 60601-2-44, IEC 61223-3-5,
IEC 61223-2-6.
• 1 Adult Head-Phantom, 16 cm diameter, 5 holes
• 1 Adult Body anulus, 32 cm diameter, 4 holes
• 9 Acrylic rods for plugging in all phantom holes

IBA Dosimetry · 3-part PMMA CT-Phantom
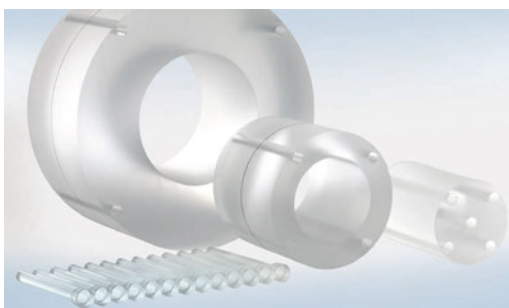
Highlights
Phantom for CTDI measurements,
according IEC 60601-2-44, IEC 61223-
3-5, IEC 61223-2-6.
• Innovative 3-part nested phantom
  according FDA 21 CFR 1020.33.
• 1 Pediatric Phantom, 10 cm diameter,
  5 holes

• 1 Adult Head anulus, 16 cm diameter,
  4 holes
• 1 Adult Body anulus, 32 cm diameter,
  4 holes
• 13 Acrylic rods for plugging in all
  phantom holes

IBA Dosimetry · Multimeter MagicMaX Universal

Highlights
Usable with different detectors:
• XR – Radiography/ Fluoroscopy /Dental
• XM – Mammography
• DCT10-MM – Ionization Chamber for CT
Measurement parameter:
Dose / dose rate – dose per pulse – kVp / PPV –time –total filtration – HVL –
wave form – dose, dose rate length product for CT

IBA Dosimetry · Dosimax plus I

Highlights

Single channel dose meter according IEC 61674 for quality assurance at Radiography-, Fluoroscopy-, Dental- and Mammography systems. Available with RQA/ RQM / DEDX

Measurement parameter (DEDX):
- Dose: 20 µGy – 9,999 mGy
- Dose rate: 20 µGy/s – 400 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Dosimax plus A (HV)*

Dosimax plus A HV with integrated high voltage for measurements at CTs with ionization chamber DCT10-RS

Highlights

Single channel dose meter according IEC 61674 for acceptance tests at Radiography-, Fluoroscopy-, Dental- and Mammography systems. Available with RQA / RQM / DCT10-RS*

Measurement parameter (RQA):
- Dose: 200 nGy – 9,999 mGy
- Dose rate: 80 nGy/s – 70 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Spot-Luminance meter LXcan

Highlights

For luminance measurements at image display devices according DIN 6868-157, DIN V 6868-57, IEC 61223-2-5 and AAPM TG18.
- Distance and contact measurement
- Easy targeting with a built-in camera and display

- Ultrasound distance sensor for the optimal distance

Optional photometric detector LX-LS to measure the Illuminace in combination with LXcan

IBA Dosimetry · KermaX plus DDP "Duo"

Highlights

Multifunctional duo-channel dosimeter dedicated to measure DAP, DAP rate and exposure time in patient dose monitoring. Two Rectangular, transparent ionization chamber with integrated electronics and one separate "Dual Line Display" with two very bright LED display lines.

Measurement parameter:
- DAP rate: 0.01 µGym^2/s – 3,000 µGym^2/s
- DAP resolution: 0.01 µGym^2
- Interface: 2×RS 232 (RIS/HIS and printer)

IBA Dosimetry · KermaX plus TinO IDP
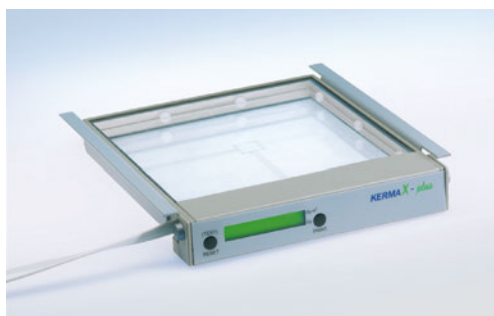
Highlights

Two in One – Dose Area Product and dose measurements in one Chamber. Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:
- DAP rate: 0.01 µGym^2/s – 3,000 µGym^2/s
- DAP resolution: 0.01 µGym^2
- Interface (optional): RS232, RS485, CAN

IBA Dosimetry · KermaX plus IDP
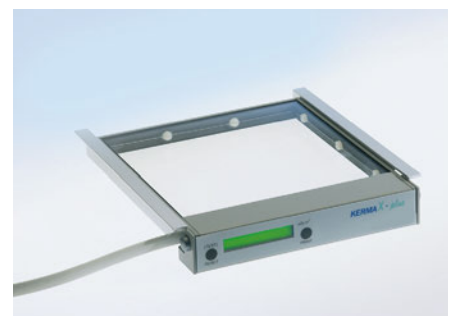
Highlights

Ideal solution for a quick and convenient retrofit installation to measure DAP and DAP rate for patient dose monitoring. Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display.

Measurement parameter:
- DAP rate: 0.01 µGym^2/s – 3,000 µGym^2/s
- DAP resolution: 0.01 µGym^2
- Interface (optional): RS232, RS485

IBA Dosimetry · KermaX plus SDP
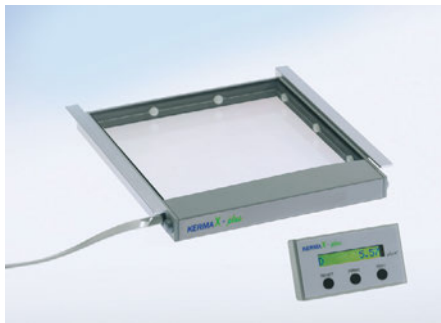
Highlights

Easy to install standard dosimeter dedicated to measure DAP and DAP rate for patient dose monitoring. Rectangular, transparent ionization chamber and separate 10-digit background lighting LCD "Single Line Display".

Measurement parameter:
- DAP rate:
  0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface: 1 × RS232 (RIS/HIS or printer)

Quart · dent / digitest Dental QA / QC Test Phantom

Highlights
- Quart dent /digitest 2D dental test phantoms are designed to assess x-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale x-ray image quality analyses.

Parameters:
- Spatial resolution
- High-contrast resolution
- Low-contrast resolution
- Homogeneity / artefacts
- Radiation field/tube alignment

Quart · didoEASY Diagnostic X-Ray Meters

Highlights
- The Quart didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R / F and Dental (50 – 150 kV), for Mammography (25 – 40 kV), and one for the full diagnostic range (25 – 150 kV).

Quart · didoNEO R Diagnostic X-Ray Dosemeter

Highlights

The Quart didoNEO introduces a new approach to diagnostic x-ray meters: it features the most compact base unit and most compact detector in the x-ray meter industry. The didoNEO R is used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT).
- Compact multi-functional state-of-the-art solid state detector
- Enables measurements in spots with limited space
- Measures behind scatter radiation grids
- Direct measurement of DLP/DWP in dental OPG

Quart · didoSVM Precision Survey Meter

Highlights
- The Quart didoSVM Medical survey meter is designed to detect beta, gamma and x-ray sources of very low intensity around diagnostic x-ray equipment as well as in radiation therapy environments. Excellent energy response to measure radiation rate and dose.
- Its detection technology is based on solid-state components, enabling measurements with high sensitivity and very quick response.

Quart · didoCT Pencil Chamber Meter

Highlights

The Quart didoCT pencil-shaped ion chamber meter is designed for easy and precise dose-width product measurements.
- The meter does not require any pre-setting procedure for direct reading of DWP, rate and time.
- As an optional feature, the Quart didoCT can be supplied with free-in-air direct HVL measurement capability. This device feature is unique and had only been introduced by Quart in a CTDI chamber.

Quart · DSA Test Phantom

Highlights
- The Quart DSA phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is that it realistically reproduces the injection procedure of the contrast agent into vessels with different attenuation properties.

Quart · DVT AP Cone-Beam CT Test Phantom
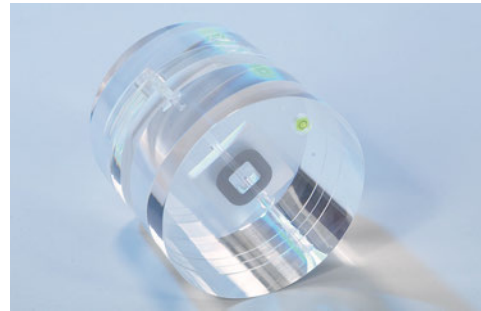
Highlights
- The Quart DVT AP phantom is designed for QA / QC at Cone Beam CT (CBCT), Dental Volume Tomography (DVT) and 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN 6868-161 requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications). Based on latest research, the solution can also be utilised for standard CT IQ tests.

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Quart · DVT 150 CBCT IQ Test Phantom

Highlights
- The Quart DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography x-ray applications.

Quart · mam / digi Mammography IQ Phantom
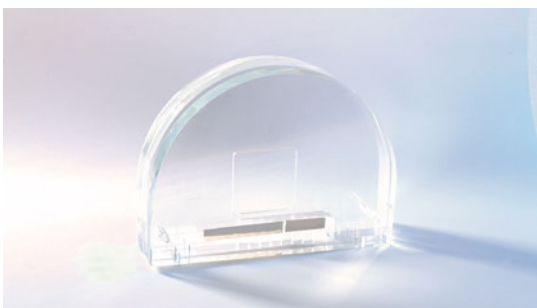
Highlights
- The Quart mam / digi phantom is designed to be used as universal tool for QA / QC routine testing in Digital and Analog Mammography. The phantom creates a link between technical and clinical image quality. It can also be used as QA tool for Digital Tomosynthesis.
- The phantom incorporates Quart's unique Landolt ring objects. They serve to verify low-contrast and perceptibility limits.

Quart · SP dl R / F IQ Phantom

Highlights
- The Quart SP dl phantom enables assessment of digital x-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- The phantom is available with a unique kV test object to assess radiation quality and generator performance on a routinely basis.
- For ease of use, a frame / extension is provided as well as a wire-mount system for use with wall stand units.

Quart · nonius Digital X-Ray Ruler

Highlights
- The Quart nonius is a sophisticated, fully electronic x-ray ruler to verify size and geometrical properties of x-ray fields in Radiography and Mammography. It can also be used to analyse fanned CT or dental OPG x-ray beams.
- Its resolution capabilities and precision go down into to the nonius range of 0.1 mm!
- Take only 3 steps to obtain the test result: Position – Expose – Evaluate.

Quart · Anthropomorphic X-Ray Phantoms

Highlights
- Our German-made anthropomorphic phantoms allow repeated x-ray imaging of specific body regions. They are used in x-ray trainings or for specific equipment tests under life-like conditions.
- The phantoms comprise of real human bones embedded in tissue-equivalent material.

Available phantom versions
- Full Body
- Head
- Hand / Arm
- Hip / Spine
- Foot / Leg
- Special Training Phantoms

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Radcal · Accu-Gold Touch

Highlights
- A comprehensive stand alone diagnostic test instrument
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Access to Radcal's full line of solid-state, ion chamber, and mA sensors
- Includes a large easy-to-read 5" touchscreen display
- Simple, accurate, and reliable measurement of Dose, Dose Rate, kV, HVL, Filtration, Pulse parameters, and mA
- Provides the ability to simultaneously measure with solid-state and ion chamber sensor
- Rechargeable Lithium Ion Battery provides hours of continuous use
- Embedded memory stores all measurement data for over 10,000 exposures

Radcal · Accu-Gold Touch Professional

Highlights
- A stand-alone diagnostic x-ray quality assurance instrument
- Includes all of the capabilities of the Accu-Gold Touch system
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Rechargeable Battery provides hours of continuous use
- Embedded memory storage
- The Touch Pro includes wired and wireless (wifi) computer interfaces
- A computer interface allows automated report generation – when your measurements are done, your report is done
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system

Radcal · Accu-Gold+

Highlights
- The most versatile dose measurement instrument available
- An excellent solution for Radiography, Fluoroscopy, Mammography, CT, and Dental applications
- Supports Radcal's full line of ion chambers and solid-state dose sensors
- Complimentary Accu-Gold software incorporates an easy-to-use interface customizable for your individual needs
- A streamlined Excel interface allows automated report generation –
- when your measurements are done, your report is done.
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

Radcal · Accu-Dose+

Highlights
- The most versatile dose measurement instrument available
- An excellent solution for all X-ray modalities
- Supports Radcal's full line of ion chambers and solid-state close sensors
- Complimentary Accu-Gold software incorporates an interface customizable for your individual needs
- A computer interface allows automated report generation
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

RTI · Black Piranha

Highlights
Simply plug 'n' play. The new RTI Black Piranha brings speed and power to your X-ray Quality Assurance work flow. The Black Piranha includes what you would expect in a multifunction meter. Connection to various accessories, tablet and PC is automatic – just plug 'n' play. The Quick Check feature identifies the probes you insert and selects the optimum Piranha settings for your measurements. You can even easily program your own default start-up screen. The Black Piranha can measure on Rad, Fluoro, Dent, Mammo, and CT.

RTI · Cobia Smart

Highlights
Cobia Smart is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct. Place it beneath the X-ray tube, make an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use.

RTI · Cobia Flex

Highlights
Cobia Flex belongs to the straightforward and simple-to-use instrument from RTI. It has all the same smart design and easiness as the Cobia Smart but will also give you the possibility to connect to external dose probes and extra gadgets as well as RTI's X-ray QA Software, Ocean.

RTI · Ocean 2014

Highlights
Ocean is RTI's versatile software for X-ray Quality Assurance. By using Ocean you will speed up your total working process and minimize your time in X-ray room. With Ocean you can plan your measurements at your desk in advance, create checklists, add information as a pop-up window for a specific exposure and include instructions to simplify the work for you and your co-workers. After that, you perform your measurements and if needed print out the report.

RTI · Black Piranha Premium Kit

Highlights
For deep analysis, the Piranha Premium Kit displays every detail you need automatically. Available in 6 variations, for user adaptability, it's a convenient and cost-effective way to purchase a complete RTI QA package. A robust carrying case contains a Piranha multi-meter, a Dose Probe, Light Probe, CT Profiler or Ion Chamber and a mAs-probe. Values can be collected on tablet or laptop/PC.

RTI · LoniMover

Highlights

CT Dose Profiling made easy. LoniMover is the best way to always get accurate results in CT dosimetry, QA and R&D. In one exposure in sweep mode, LoniMover measures all relevant CT dose parameters, geometric efficiency and true FWHM. Pre-defined lengths in step mode ensure consistent data.

An attachable Pencil Ion Chamber offers a simple procedure for CTDI measurements for broad CT collimations.

VacuTec · VacuDAP / VacuDAP duo

Highlights

The VacuDAP family provides a wide range of DAP and Dose measuring solutions for most of the diagnostic X-ray systems in the market.

Technical specs:
- Resolution DAP: 0.01 µGym^2
- Resolution Dose: 0.003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area:
  123 × 123 mm / 147 × 147 mm

VacuTec · VacuDAP-C / VacuDAP-C duo

Highlights

The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

- Resolution DAP: 0.01 µGym^2
- Resolution Dose: 0.005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: Ø (8 … 100) mm

VacuTec · VacuDAP Bluetooth

Highlights
- VacuDAP chamber is now available with Bluetooth technology.
- Perfect suitable for DR upgrades and mobile X-ray units.
- The battery ensures simplest installation ever.

Technical specs:
- Resolution DAP: 0.01 µGym^2
- Active area:
  123 × 123 mm / 147 × 147 mm
- Battery operation time: about 12 h

VacuTec · VacuTec AEC Chamber
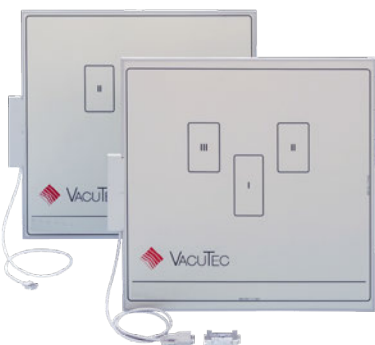
Highlights

Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs:
- Tube voltage: 40 kV …150 kV
- Dose rate range: 0.5 …1,000 µGy/s
- Aluminum equivalent: <0.75 mm Al
- Analog interface:
  ramp voltage 0 – 10 V

- Digital interface:
  differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

RAD BOOK 2019

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Companies & Suppliers

Company	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
Agfa HealthCare Septestraat 27, 2640 Mortsel, Belgium, tel +32 3 444 94 44, agfahealthcareinfo.be@agfa.com, www.agfa.com	3	3 4	173 174					26 28 30 65 70 72 74			93 95 106 112 117			135		
allMRI GmbH Südstr. 23, 74226 Nordheim, Germany, tel +49 71 33 2 37 02 20, mail@allmri.com, www.allmri.com					42											
Barco NV Beneluxpark 21, 8500 Kortrijk, Belgium, info@barco.com, www.barco.com													132 133 134			
Block Imaging 1845 North Cedar Street, Holt, MI 48842, USA (Active in Europe), info@blockimaging.com, www.blockimaging.com				9	33		52 60									
BMS Informationstechnologie GmbH Diesterweggasse 7/1, 1140 Vienna, Austria, tel +43 1 524 81 34 00, info@bms-austria.com, www.bms-austria.com/			174					26 28 30 74								
Bracco Injeneering S.A. Avenue de Sévelin 46, 1004 Lausanne, Switzerland, tel +41 21 621 74 00, info.injeneering@bracco.com, www.imaging.bracco.com						46 49		74								
Canon Medical Systems Europe B.V. Zilverstraat 1, 2718 RP Zoetermeer, The Netherlands, tel +31 79 368 92 22, eu.medical.canon	3	3 4	173 174	9 12 13 16 19	33 36		51 52 53 54	65 75	78	86 88	96 97 118	127			138 139 140	
Canon Europe NV Medical Components Business Group, Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands, tel +31 205 45 89 26, medical.drsales@canon-europe.com, www.canon-europe.com/medical								76			96 107 112 117 118					
Canon Electron Tubes & Devices Co., Ltd 1385 Shimoishigami, Otawara-Shi, Tochigi 324-8550, Japan, tel +81 287 26 66 66, https://etd.canon/eng				22				63			106 107 123					
Cefla s.c. Via Selice Provinciale 23A, 40026, Imola (BO), Italy, tel +39 045 820 27 27, info@newtom.it, www.newtom.it				20 21												
CHILI GmbH Friedrich-Ebert-Str. 2, 69221 Dossenheim / Heidelberg, Germany, tel +49 62 21 180 79 10, sales@chili-radiology.com, www.chili-radiology.com		3 4	173 174					65 66 70 73					136			

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tel +33 467 50 49 00
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drgem@drgem.co.kr
www.drgem.co.kr

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Röntgenstr. 24
22335 Hamburg, Germany
marketing.dunlee@philips.com
www.dunlee.com

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Company	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
DMS Imaging							60		80	89	97 111 112 118 119 122 123 124					
DRGEM Corporation										89	97 98 108 113 124					
Philips Medical Systems DMC GmbH (Dunlee)				22			63				124					
EXAMION GmbH							66		80	86 89	93 98 99 108 111 113 124					
Febromed GmbH & Co. KG				24	42											
FUJIFILM Medical Systems Europe		3 4	173 174	16 18				26 28 30 66 75	78		99 108 113					
GE Healthcare	3	3 4	173 174	12 18 19	33 34 36 37 40		52 54 55 57 60	26 29 31 67 70 73 75	78 80 82	89	99 113 119 122	127 128 129 130			140 142 143	
GMM GROUP							57 61			86	99 113 119					
Guerbet			173 174		46 47 48 49			27 28 30 75								
Hitachi Medical Systems Europe (Holding) AG				13 16	37 38 39 40										143 144 145	
Hologic bvba			173				57	71 72	78 82 83		123				145	

	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
I.A.E. S.P.A. Via Fabio Filzi, 53 20032 Cormano (MI), Italy tel +39 02 66 30 32 55 iaexray@iae.it www.iae.it				24			63		84	91	125					
IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany tel +49 91 28 607-14 dosimetry-info@iba-group.com www.iba-dosimetry.com																158 159 160 161
IMAGE Information Systems Europe GmbH Lange Str. 16 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz www.image-systems.biz	3	3 4	173					67 73					132			
IMS Giotto S.p.A. – GMM GROUP – Via Sagittario, 5 40037 Sasso Marconi (BO), Italy tel +39 51 84 68 51 imscomm@imsgiotto.com www.imsgiotto.com									79 83							
Interflex Medizintechnik GmbH Im Lehrer Feld 9 89081 Ulm, Germany tel +49 731 40 01 77-0 www.interflex-ulm.de					42 44											
INTERMEDICAL SRL Via E. Fermi, 26 24050 Grassobbio (BG), Italy tel +39 035 659 48 11 info@inter-med.it www.inter-med.it							55 57 61		79		100					
i-SOLUTIONS Health GmbH Am Exerzierplatz 14 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de www.i-solutions.de	3	3 4	173 174					27 29 31 67 68 75 76								
ITZ Medicom GmbH & Co. KG Siemensring 44 a 47877 Willich, Germany tel +49 21 54 49 79 60 info@itz-medi.com www.itz-medi.com	3	3 4	173 174					68 73								
JVCKENWOOD Deutschland GmbH Konrad-Adenauer-Allee 1-11 61118 Bad Vilbel, Germany tel +49 21 61 69 84-180 medical-display.e@jvckenwood.com healthcare.jvc.com													132 133 134			
Konica Minolta Business Solutions Europe GmbH – **Healthcare Division** Hoogoorddreef 9 1101 BA Amsterdam, The Netherlands tel +31 20 658 41 00 healthcare@konicaminolta.eu www.konicaminolta.eu/healthcare		3 4	173 174								95 100 108 109 114			135 136	146	
LEONI Special Cables GmbH **Business Unit Healthcare** Eschstraße 1 26169 Friesoythe, Germany tel +49 44 91 291-5040 healthcare@leoni.com www.leoni.com				24	44				84							

	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
MECALL – GMM GROUP – Via Partigiani, 25, 24068 Seriate (BG), Italy, tel +39 035 452 53 11, info@gmmspa.com, www.gmmspa.com											100 119					
medigration GmbH Dr.-Rudolf-Eberle-Straße 8-10, 76534 Baden-Baden, Germany, tel +49 72 23 9 66 98 60, info@medigration.de, www.medigration.de	3	3 4	173 174					27 29 31 68 71 72 74 76			109			136		
MEDTRON AG Hauptstr. 255, 66128 Saarbruecken, Germany, tel +49 681 970 17-0, info@medtron.com, www.medtron.com						48 49										
Medtronic International Trading Sàrl Route du Molliau 31, 1131 Tolochenaz, Switzerland, tel +41 21 802 70 00, www.oarm.com, www.medtronic.com							57									
SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD. Mindray Building, Keji 12th Road South, Nanshan, Shenzhen 518057, China, tel +86 755 81 88 89 98, intl-market@mindray.com, www.mindray.com					40						100 101 114				146 147 148	
NORAS MRI products GmbH Leibnizstr. 4, 97204 Hoechberg, Germany, tel +49 931 29 92 70, mri@noras.de, www.noras.de					41											
Planmeca Oy Asentajankatu 6, 00880 Helsinki, Finland, tel +358 20 779 55 00, fax +358 20 779 55 55, sales@planmeca.com, www.planmeca.com				21 24							122					
Planmed Oy Sorvaajankatu 7, 00880 Helsinki, Finland, tel +358 20 779 53 00, sales@planmed.com, www.planmed.com				21					79 80 81							
PRIMAX International "Le Minotaure" 30 – 34 Avenue Henri Matisse, 06200 Nice, France, tel +33 492 29 23 30, sales@primaxint.com, www.primaxint.com							58				101 114 120					
PROTEC GmbH & Co. KG In den Dorfwiesen 14, 71720 Oberstenfeld, Germany, tel +49 70 62 925 50, protec@protec-med.com, www.protec-med.com		3 4	173 174					68 69		86 91	102 110 114					
PTW-Freiburg Physikalisch-Technische Werkstaetten Dr. Pychlau GmbH, Loerracher Str. 7, 79115 Freiburg, Germany, tel +49 761 490 55-0, info@ptw.de, www.ptw.de				24					84		125					

Company	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
QUART GmbH Kirchenweg 7 85604 Zorneding, Germany tel +49 81 06 24 91 18 info@quart.biz www.quart.de																161 162 163
Radcal Corporation 426 West Duarte Road Monrovia, CA 91016, USA tel +1 626 357 79 21 sales@radcal.com www.radcal.com																163 164
Rayence Co., Ltd. Mergenthalerallee 77, Germany 65760 Eschborn tel +49 61 96 998 98 97 marketing@rayence.com www.rayence.com											110					
RTI Group Floejelbergsgatan 8C 43137 Moelndal, Sweden tel +46 31 746 36 00 sales@rti.se www.rti.se																164 165
Roesys MedTec GmbH Dr.-Max-Ilgner-Straße 2 32339 Espelkamp, Germany tel +46 57 72 9 15 55-0 info@roesys.de www.roesys.de										86 91	103 110					
Samsung Healthcare 2-dong Alpharium Tower, 145, Pangyoyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13530, Republic of Korea tel +82 2 2194 1000 www.samsunghealthcare.com															148 149	
Shimadzu Europa GmbH Medical Systems Division Albert-Hahn-Str. 6 – 10 47269 Duisburg, Germany tel +49 203 76 87-0 info@shimadzu.eu www.shimadzu.eu							52 55 56 61			87 88 89	103 115 120					
Siemens Healthineers Headquarters **Siemens Healthcare GmbH** Henkestr. 127 91052 Erlangen, Germany tel +49 800 188 188 5 siemens.com/healthineers	3 4	173 174	9 13 16 20		33 34 36 38 39 40		51 52 56 58 61	27 29 31 69 71 72 76	79 81	87 90	103 104 115 120 121		127 128 130		150 151 152	
Shantou Institute of Ultrasonic Instr. Co., Ltd. #77, Jinsha Road 515041 Guangdong, China tel +86 754 88 25 01 50 siui@siui.com www.siui.com											112 115				153 154 155 156	
SOHARD Software GmbH Würzburger Straße 197 90766 Fürth, Germany tel +49 911 973 41-0 info@sohard.de www.sohard.de	3 4	173 174						70 74								
STEPHANIX 10, Rue Jean Moulin 42150 La Ricamarie, France tel +33 4 77 47 81 60 contact@stephanix.com www.stephanix.com							58 59 62			87 90	104 111 115 121					

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SuperSonic Imagine Les Jardins de la Duranne, Bât E & F 510, Rue René Descartes 13857 Aix-en-Provence, France tel +33 442 99 24 24 contactsFR@supersonicimagine.com www.supersonicimagine.com															156	
Swissray Medical AG Turbistr. 25 – 27 6280 Hochdorf, Switzerland tel +41 41 914 12 12 sales@swissray.com www.swissray.com											105 111 116					
Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it							59 62				117					
Ultrasound Technologies LTD Lodge Way, Portskewett, Caldicot, South Wales, NP26 5PS, U.K. tel +44 (0) 1291 425 425 ultratec@doppler.co.uk www.doppler.co.uk				24												
VacuTec Meßtechnik GmbH Dornbluethstr. 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de																165
Varex Imaging Deutschland AG Otto-Brenner-Strasse 10 47877 Willich, Germany tel +49 21 54 92 49 80 info@vareximaging.com www.vareximaging.com				25					84							
VILLA SISTEMI MEDICALI s.p.a. Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 sales@villasm.com www.villasm.com				22			62		80 81 82	88 90 91	105 106 111 112 116 121					
Ziehm Imaging GmbH Donaustraße 31 90451 Nuremberg, Germany tel +49 911 21 72 - 0 info@ziehm.com www.ziehm.com							59 60 62 63									

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CHILI Diagnost	Partner-Solution	CHILI Diagnost	CHILI Diagnost	Partner-Solution
Fujifilm Synapse 3D	Fujifilm Synapse 3D		Fujifilm Synapse 3D	
Centricity PACS Universal Viewer Universal Viewer Zero Footprint XDS enabled	Centricity PACS Universal Viewer web client embeds advanced visualization powered by AW	Centricity PACS Universal Viewer web client provides Breast Imaging tools powered by IDI	Centricity PACS Universal Viewer with integrated Traumacad by Voyant Health	Centricity PACS Universal Viewer web client embeds advanced visualization powered by AW
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	Vitrea Advanced Visualization	**Canon Medical Systems Europe B.V.** Zilverstraat 12718 · RP Zoetermeer, The Netherlands tel +31 79 368 92 22 eu.medical.canon	Canon
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		IMAGE Information Systems Europe GmbH Lange Straße 16 · 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz · www.image-systems.biz	IMAGE Information Systems
	RadCentre Dose View	**i-SOLUTIONS Health GmbH** Am Exerzierplatz 14 · 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de · www.i-solutions.de	i-SOLUTIONS HEALTH
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		Konica Minolta Business Solutions Europe GmbH – Healthcare Division Hoogoorddreef 9, 1101 BA Amsterdam, The Netherlands tel +31 20 658 4100 healthcare@konicaminolta.eu · www.konicaminolta.eu/healthcare	KONICA MINOLTA
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		PROTEC GmbH & Co. KG In den Dorfwiesen 14 · 71720 Oberstenfeld, Germany tel +49 7062 9 25 50 protec@protec-med.com · www.protec-med.com	PROTEC TEAM|SPIRIT|ABILITY
SeDI – Semantic PACS		**SOHARD Software GmbH** Würzburger Straße 197 · 90766 Fürth, Germany tel +49 911 973 41-0 info@sohard.de · www.sohard.de	SOHARD SOFTWARE
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