



**MAKE SURE THE SPLASH COVER IS DOWN.
GO IN CHASE AND OPEN DI RED VALVE TO
CHILLER**



**TURN ON NITROGEN & DI WATER TO THE
MACHINE.**



**[FRONT] TURN KEY SWITCH TO "START" THEN
RELEASE (KEY RETURNS TO "ON").**

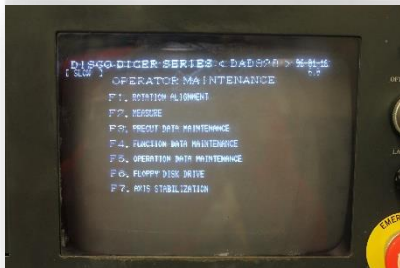
POWER UP



[CONSOLE] PRESS "SYS INIT" TO INITIALIZE MACHINE. DISPLAY READS INITIALIZATION COMPLETE. WAIT 15 MINUTES.



?CHANGE BLADE FIRST? GOTO
A. BLADE REMOVAL {HUBBED} OR
B. BLADE REMOVAL {HUBLESS}



?SELECT/CREATE RECIPE? GOTO
A. DEVICE DATA LIST



?READY TO CALIBRATE Z-HEIGHT? GOTO
A. CHUCK ZERO

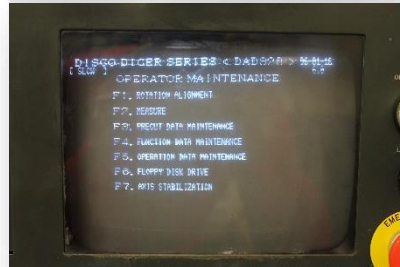
INITIALIZE AND STARTUP OPTIONS



**?READY TO CALIBRATE SAW CUT ON NEW BLADE?
GOTO HAIRLINE ALIGNMENT**



**?CHANGE BLADE FIRST? GOTO
A. BLADE REMOVAL {HUBBED} OR
B. BLADE REMOVAL {HUBLESS}**



**?WAITED 15 MINUTES? IF NOT EXERCISE SAW
USING AXIS STABILIZATION**



**?READY TO CALIBRATE Z-HEIGHT? GOTO
CHUCK ZERO**

SETUP PROCEDURE



WHEN REPLACING BLADE, GO TO MAIN MENU & PRESS [F5] "BLADE MAINTENANCE" THEN PRESS [F1] "BLADE EXCHANGE"

UNIT	INCH				
BLADE SPEC_SEMTEC_F1430	2.190D-35uT-30mE		New/Used		
Blade O.D.	2.191475	Inch			
Blade Thickness	0.00130	Inch			
Blade Life	0	Lines	0.00		
Blade Data	Blade Type		(1 or 2)		
1. Hub Type	0.030	Inch	Hubless Flange O.D.	2.200	inch



INPUT WHEEL MOUNT TYPE

**1 FOR MOUNTED NICKEL BLADE ON FLANGE OR
2 FOR HUBLESS BLADE NEEDING FLANGE.
INPUT THE EXPOSURE THEN PRESS ENTER.
THEN PRESS EXIT THEN EXIT AGAIN.**

A. BLADE REMOVAL {HUBBED}



WHEN REPLACING BLADE, GO TO MAIN MENU & PRESS [F5] "BLADE MAINTENANCE" THEN PRESS [F1] "BLADE EXCHANGE"

UNIT	Blade spec				
Thermo_2.187-10A-54RU-3S	2.190-10mT100E		New/Used	New	
Blade O.D.	2.191635	Inch			
Blade Thickness	0.01	Inch			
Blade Life	0	Lines	0.00		
Blade Data	Blade Type		(1 or 2)		
2. Hubless Type on 2.187/100S	0.030	Inch	Hubless Flange O.D.	1.98701	inch



INPUT WHEEL MOUNT TYPE

**1 FOR MOUNTED NICKEL BLADE ON FLANGE OR
2 FOR HUBLESS BLADE NEEDING FLANGE.
INPUT THE EXPOSURE THEN PRESS ENTER.
THEN PRESS EXIT THEN EXIT AGAIN.**

B. BLADE REMOVAL {HUBLESS}



**IN MAIN MENU, PRESS [F3] TO DEVICE DATA LIST.
INPUT CORRECT DATA NO. IN DEVICE DATA.
PRESS ENTER.**



**VERIFY OR ADD ID DESCRIPTION, UNITS,
CUT MODE*, CUT SHAPE, SPINDLE SPEED
(TO MATCH SETUP), WORK SIZE, WORK
THICKNESS, TAPE THKN, BLADE HEIGHT,
FEED SPEED**, Y INDEX (1 & 2)**



**IGNORE Z-ADJUST, PRECUT DATA,
Z-AXIS DOWN SPEED.**

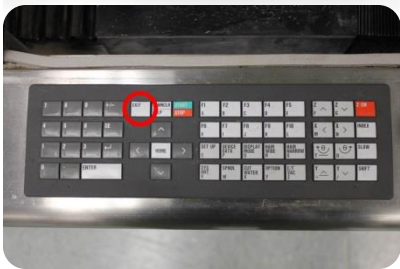


**AUTO SETUP FOR CUTTING: TO
BE SET TO PASS AS IT IS NOT
AVAILABLE.**

DEVICE DATA LIST [F3]



[CONSOLE] PRESS "SETUP", CONFIRM THE BLADE DIAMETER, AND PRESS "ENTER" TO ZERO BLADE TO THE CHUCK. USE THE "Z EM" KEY FOR EMERGENCY STOP.



[CONSOLE] WHEN COMPLETE, PRESS "EXIT" UNTIL BACK AT THE "MAIN MENU".

CHUCK ZERO



SWITCH POWER AND HEAT ON TO THE TAPE MOUNTER.



[CONSOLE] PRESS "F5": BLADE MAINTENANCE IN MAIN MENU.

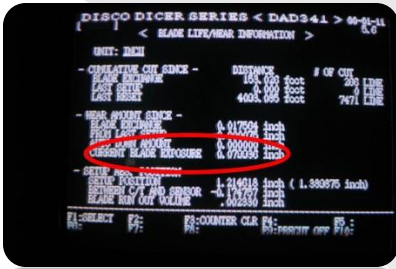


[CONSOLE] PRESS "F5": BLADE LIFE/WEAR INFORMATION.



RECORD "CURRENT BLADE EXPOSURE" IN LOG BOOK. PRESS "EXIT" TWICE TO RETURN TO MAIN MENU.

BLADE EXPOSURE



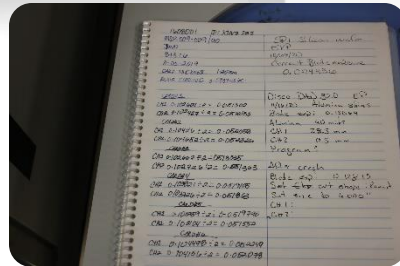
IF BLADE EXPOSURE IS LESS THAN 0.05 INCH THEN THE FLANGE SHOULD BE INSPECTED FOR DAMAGE.



IF BLADE EXPOSURE IS LESS THAN SUBSTRATE THICKNESS, CHECK WITH STAFF TO INSTALL A BLADE WITH MORE EXPOSURE.



CONFIRM BLADE WIDTH IS COMPATIBLE WITH SAW STREETS ON YOUR SUBSTRATE



USE LOG BOOK TO TRACK WIDTH, EXPOSURE, INDEX (CH1 & CH2) FOR FUTURE DICING NEEDS.

BLADE EXPOSURE



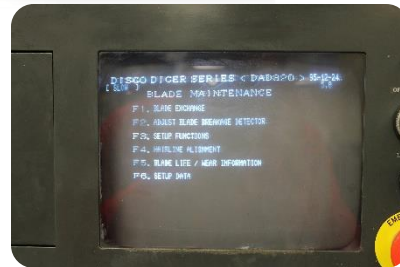
MOUNT A DUMMY SUBSTRATE, OR USE THE MARGIN OF A PRODUCT SUBSTRATE.



[CONSOLE] PRESS "C/T VAC" TO PULL VACUUM ON DICING FRAME.

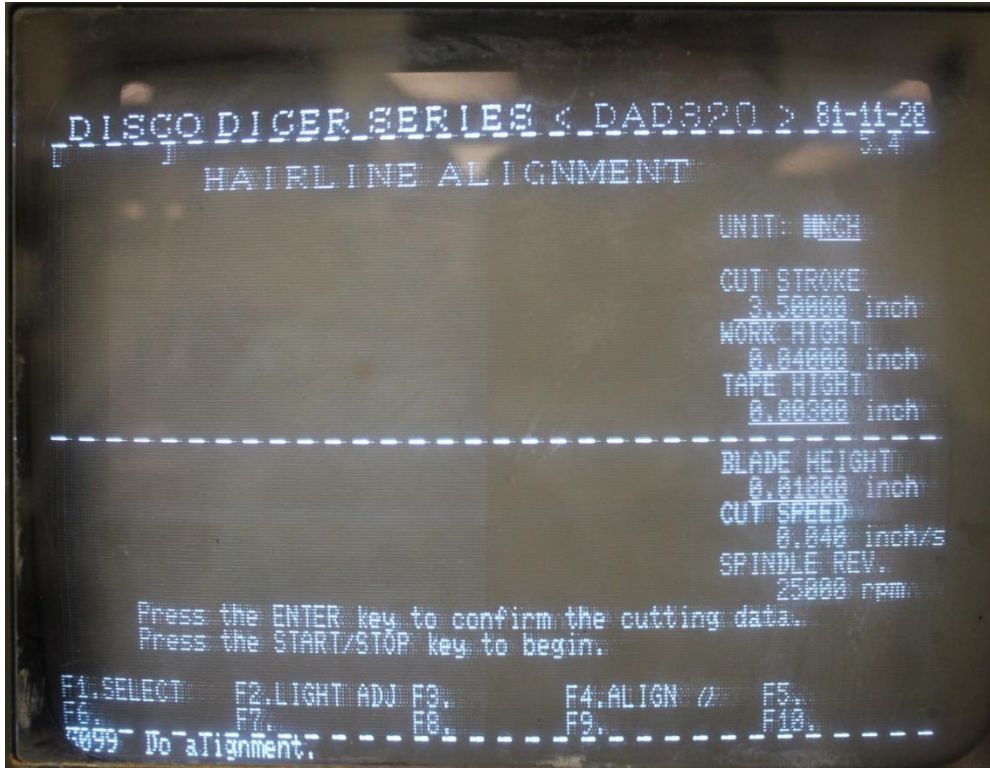


[MONITOR] IN (M) MENU, PRESS "F5" FOR BLADE MAINTENANCE (BM) MENU.



[MONITOR] IN (BM) MENU, PRESS "F4" FOR HAIRLINE ALIGNMENT.

HAIRLINE ALIGNMENT



UNIT: TOGGLE "F1" FOR "INCH" OR "MM"

CUT STROKE: MATCH THE DUMMY SUBSTRATE WIDTH

NOTE: FIXED CUTTING AS ROUND SHAPE SO BEST TO SET TO 6" OR USE ONLY WAFERS AS DUMMY.

WORK HEIGHT: SUBSTRATE THICKNESS: DEFAULT 0.025

TAPE HEIGHT: 0.003 INCH,

BLADE HEIGHT: 0.010 INCH,

CUT SPEED:

(SILICON) 0.15 INCH/S

(CERAMIC) 0.04 INCH/S

(SILICON) AND SPINDLE SPEED (TO MATCH SPEED IN SETUP).

HAIRLINE ALIGNMENT



ADJUST LAMP VOLUME AND FOCUS TO VIEW SUBSTRATE. NOTE FOCUS IS ON RIGHT SIDE OF MICROSCOPE.



[CONSOLE] PRESS "F4" USE "Y ADJUST" KEYS TO ALIGN SUBSTRATE TO DESIRED CUT LOCATION. PRESS "F4" TO ALIGN TO OTHER SIDE THEN PRESS "ENTER". ALIGN USING RIGHT LENS ONLY.



[CONSOLE] PRESS "START STOP" FOR A SINGLE CUT THEN BLOW DRY TO REMOVE WATER.



[CONSOLE] USE "Y" UP/DOWN KEYS TO ALIGN CENTER MONITOR RETICLE ON CUT CENTER.

HAIRLINE ALIGNMENT



[CONSOLE] USE "HAIR WIDE" KEY TO EXPAND OR "HAIR NARROW" KEY TO SHRINK OUTER TWO RETICLES TO MATCH SAW CUT WIDTH.



[FRONT] ADJUST LAMP VOLUME TO LOCATE CUT IN ROUGH (CERAMIC) MATERIALS (IF NECESSARY).

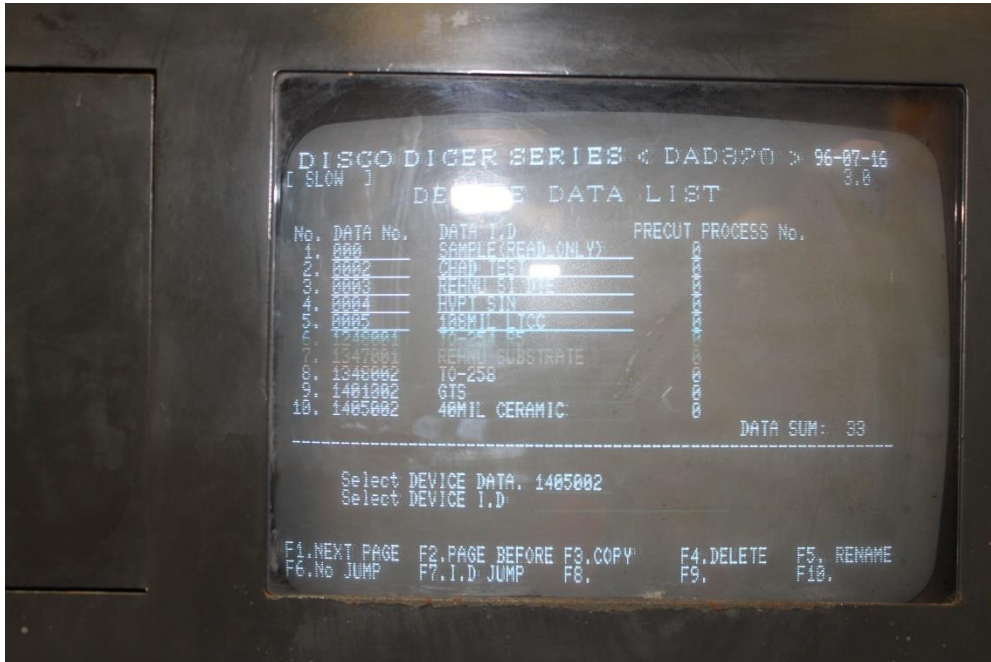


[CONSOLE] PRESS "ENTER" TO CONFIRM THEN "C/T VAC" TO RELEASE SUBSTRATE VACUUM.



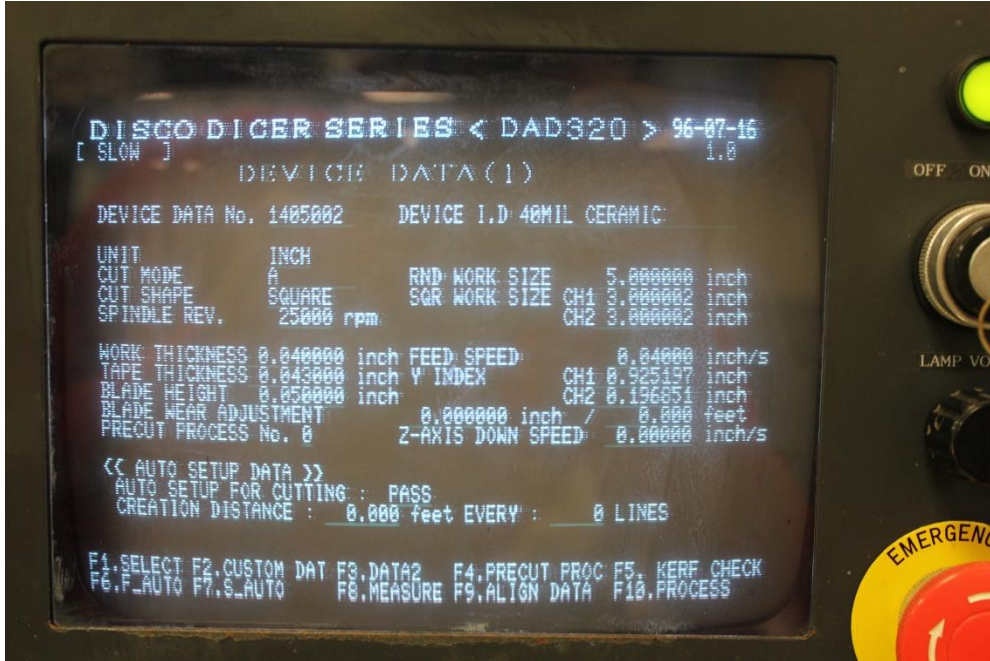
[CONSOLE] PRESS "EXIT" BACK TO "MAIN MENU". REMOVE SUBSTRATE. PRESS "F3" TO PROGRAM SAW.

HAIRLINE OFFSET



UNDER "SELECT DEVICE DATA":
INPUT DATA NO. FROM ONE IN LIST.
THEN PRESS "ENTER"

DEVICE DATA CREATION [F3]



- UNDER DEVICE DATA (1):**
- DEVICE I.D.:** CAN RENAME PROGRAM
- UNIT:** PRESS "F1" TO TOGGLE FROM "INCH" TO "MM"
- CUT MODE:** DEFAULT "A" {SEE NEXT PAGE FOR DETAILS}
- CUT SHAPE:** "F1" BETWEEN "ROUND" OR "SQUARE"
- SPINDLE REV.:** 25,000 (FIXED)
- WORK SIZE:** MATCH PART TO BE CUT
- WORK THICKNESS:** SUBSTRATE THICKNESS
- TAPE THICKNESS:** 0.003 INCH (OR TAPE AND SACRIFICIAL SUBSTRATE THICKNESS),
- BLADE HEIGHT:** 0.0025 INCH, (TO JUST CUT INTO TAPE
- FEED SPEED:** 0.04 INCH/S (CERAMIC) OR 0.5 INCH/S (SILICON) AND
- CH1 (INDEX):** SET YOUR INDEX
- CH2 (INDEX):** SET YOUR INDEX).

DEVICE DATA CREATION [F3]



CUT MODE:

A: CUT LEFT RIGHT, THEN INDEX AND RETURN TO CUT LEFT RIGHT.



CUT MODE:

B: CUT LEFT RIGHT, THEN INDEX THEN CUTS RIGHT TO LEFT



CUT MODE:

AS: (A SPECIAL): A MODE BUT ALLOWS FOR MULTIPLE CUT DEPTHS AND INDEXES



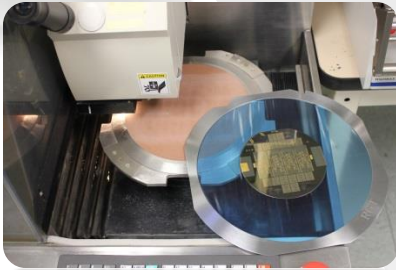
CUT MODE:

BS (B SPECIAL): B MODE BUT ALLOWS FOR MULTIPLE CUT DEPTHS & INDEXES.

CUT MODE DESCRIPTION



PLACE MOUNTED WAFER FRAME ON THE CHUCK TABLE. PRESS "C/T VAC" KEY,



[SPINDLE CABINET] CHECK "VACUUM GAUGE" NEEDLE READS IN THE "GREEN".



IN MAIN MENU, PRESS "F1" FOR "CUTTING" THEN "F7" FOR SEMI AUTO



PLACEHOLDER!!!

SINGLE CUT



[CONSOLE] USE "Y" TO ALIGN ONE SIDE OF SUBSTRATE EDGE THEN PRESS "F4" TO MOVE TO SECOND ALIGNMENT POINT.



[CONSOLE] USE "Y" TO ALIGN OTHER SIDE OF SUBSTRATE EDGE TO CUT RETICLES ON SCREEN. PRESS "F4" TO ALIGN THEN SCROLL BACK TO FIRST MARK



[CONSOLE] PRESS THE "F8" TO MEASURE THEN "SLOW" KEY.



[MONITOR] READS THETA ADJUSTMENT DONE. SET # OF CUTS TO "1", ENTER THEN PRESS "F5" FOR REAR. PRESS "START"

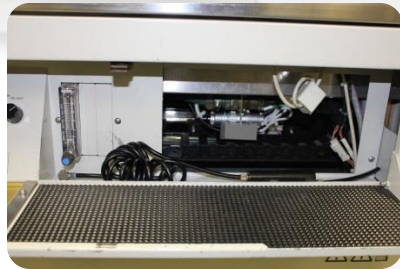
SINGLE CUT



[CONSOLE] PRESS "START STOP" KEY IF YOU ONLY WANT TO MAKE ONE CUT. OTHERWISE IT WILL INDEX AND CUT COMPLETELY TO THE REAR.



[CONSOLE] PRESS "ALARM CLR" TO SILENCE ALARM. NOTE: IF STOP PRESSED, PRESS "F1" TO CANCEL CUTTING. TO ROTATE 90 DEGRESS, PRESS INDEX THEN THE RIGHT CCW BUTTON.

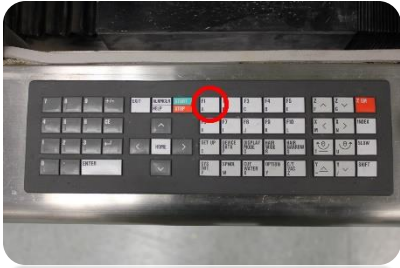


ONCE COMPLETE, REMOVE WATER FROM MOUNTED SUBSTRATE WITH AIR GUN IN FRONT OF MACHINE.

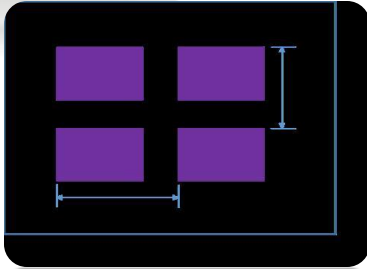


[CONSOLE] PRESS "C/T VAC" TO RELEASE VACUUM THEN "EXIT" UNTIL BACK TO "MAIN MENU". REMOVE WAFER FRAME.

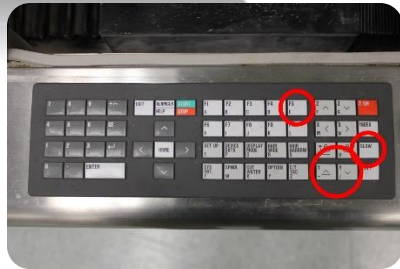
SINGLE CUT



[CONSOLE] PRESS "F₁ AUTO CUT" TO BEGIN ALIGNMENT IN CH₁. FOLLOW PROMPTS ON SCREEN.



[CONSOLE] PRESS "SLOW" THEN "Y" CONTROLS TO ALIGN ON LEFT SIDE OF PRODUCT THEN PRESS "F₅" AUTO MOVES TO RIGHT SIDE.

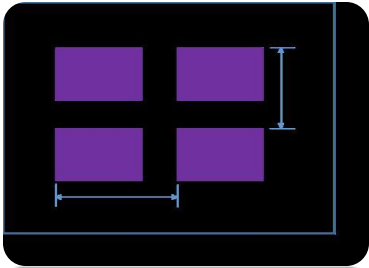


[CONSOLE] USE "Y" CONTROLS TO ALIGN TO SAME EDGE FEATURE ON RIGHT SIDE. PRESS "F₅" TO CONFIRM.



[MONITOR] DISPLAYS "ALIGN CHANNEL 1 BY ENTER". PRESS "ENTER"

TO-CUT: CH 1 ALIGNMENT END E



[MONITOR] DISPLAYS "THETA ALIGNMENT DONE".



[CONSOLE] PRESS "F8" {TO MEASURE}, ALIGN CENTERLINE TO STARTING INDEX THEN PRESS "F3" {TO CLEAR}. VERIFY "Y-INDEX" DISPLAYS "0.000"



[CONSOLE] USE "Y" CONTROLS TO ALIGN CENTERLINE TO ENDING INDEX AND RECORD DISPLAYED VALUE.

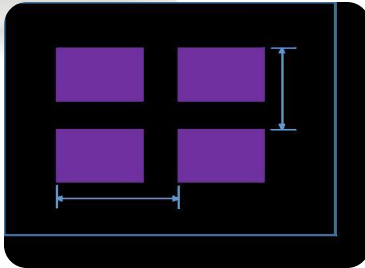


[CONSOLE] ENTER VALUE IN LINE [1] THEN PRESS "INDEX" AND "Y STAGE CONTROL" TO CONFIRM CUT INDEX.

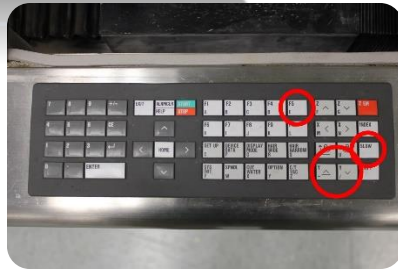
AUTO-CUT: CH1 INDEX SET



[CONSOLE] PRESS "EXIT" THEN "ENTER" FOR CH2 ALIGNMENT.



[CONSOLE] PRESS "SLOW" THEN "Y" CONTROLS TO ALIGN ON LEFT SIDE OF PRODUCT THEN PRESS "F5" AUTO MOVES TO RIGHT SIDE.

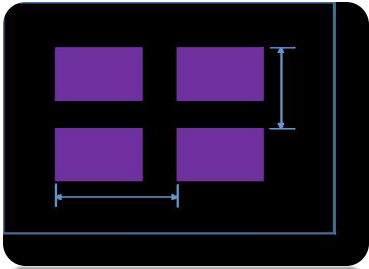


[CONSOLE] USE "Y" CONTROLS TO ALIGN TO SAME EDGE FEATURE ON RIGHT SIDE. PRESS "F5" TO CONFIRM.



[MONITOR] DISPLAYS "ALIGN CHANNEL 2 BY ENTER". PRESS "ENTER"

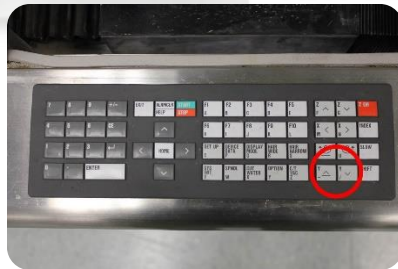
AUTO-CUT: CH2 ALIGNMENT



[MONITOR] DISPLAYS "THETA ALIGNMENT DONE".



[CONSOLE] PRESS "F8" {TO MEASURE}, ALIGN CENTERLINE TO STARTING INDEX THEN PRESS "F3" {TO CLEAR}. VERIFY "Y-INDEX" DISPLAYS "0.000"



[CONSOLE] USE "Y" TO ALIGN TO ENDING INDEX & ENTER VALUE IN LINE [1]. PRESS "INDEX" & "Y STAGE CONTROL" TO CONFIRM INDEX.



[CONSOLE] PRESS "EXIT", "ENTER" AND "START/STOP" TO START CUTTING.

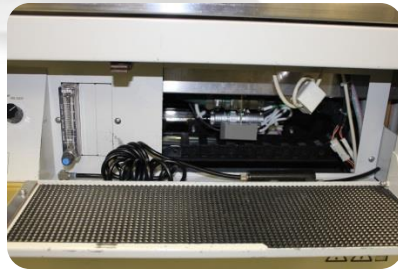
AUTO-CUT: CH2 INDEX SET



WAIT FOR IT TO COMPLETE.



[CONSOLE] PRESS "ALARM CLR" TO SILENCE ALARM.



ONCE COMPLETE, REMOVE WATER FROM MOUNTED SUBSTRATE WITH AIR GUN IN FRONT OF MACHINE.



[CONSOLE] PRESS "C/T VAC" TO RELEASE VACUUM THEN "EXIT" UNTIL BACK TO "MAIN MENU". REMOVE WAFER FRAME.

UNLOAD WAFER



[CONSOLE] PRESS "SPNDL" TO STOP SPINDLE..



RINSE INSIDE OF ENCLOSURE WITH DI WATER AND FLUSH PARTICLES DOWN DRAIN. WIPE SURFACES WITH IPA ONCE WEEKLY TO REMOVE DICING RESIDUE.



LET SAW IDLE WITH AIR AND DI WATER FOR 15 MINUTES THEN TURN KEY TO "OFF".



TURN N₂ AND DI WATER OFF. ENGAGE THE "EMO".

SHUTDOWN



WHEN REPLACING BLADE, GO TO MAIN MENU & PRESS [F5] "BLADE MAINTENANCE" THEN PRESS [F1] "BLADE EXCHANGE"



INPUT BLADE SPEC. TOGGLE TO NEW.
MEASURE BLADE O.D. ON MICROMETER
MEASURE FLANGE O.D. ON MICROMETER
INPUT BLADE O.D. AS (~2.25) ,
INPUT BLADE THICKNESS,
INPUT BLADE TYPE (2) HUBLESS AND
INPUT FLANGE O.D.
PRESS ENTER
PRESS EXIT



BLADE REMOVAL {HUBLESS}



WHEN REPLACING BLADE, GO TO MAIN MENU & PRESS [F5] THEN PRESS [F1]



INPUT BLADE SPEC. TOGGLE TO NEW. INPUT O.D. AS 2.187 OR 55.397MM, THICKNESS, BLADE TYPE FLANGE FOR FREE STANDING BLADE BETWEEN METAL DISCS



INPUT HUBLESS TYPE FLANGE O.D. MEASUREMENT THEN PRESS ENTER. WILL NEED TO USE CALIPERS TO GET INFO.



CHANGE ACTUAL BLADE

BLADE REMOVAL {FLANGE}



[FRONT] LIFT COVER. UNSCREW FRONT PLATE
UNLOCK SET SCREW.



USE BLADE REMOVAL TOOL TO REMOVE
RETAINING NUT (CW). USE EXTRACTION
TOOL TO REMOVE BLADE. (IF HUBBED
BLADE) REMOVE WASHER BEHIND IT.



(IF HUBBED BLADE) INSTALL
WASHER. INSTALL NEW BLADE AND
THEN INSTALL NUT.

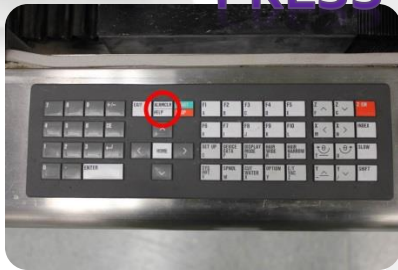
(IF HUBLESS) INSTALL FLANGE
(W/BLADE) AND THEN NUT
TIGHTEN NUT (CCW) W/ TORQUE
WRENCH.

INSTALL FRONT COVER.

BLADE REMOVAL



IN BLADE MAINTENANCE MENU, PRESS [F6] SETUP DATA. PRESS DOWN KEY TO HIGHLIGHT SPINDLE REV. THEN INPUT NEW SPEED THEN PRESS ENTER.



INPUT 30,000 FOR SILICON (HUBBED) OR 20,000 FOR CERAMIC (FLANGE).

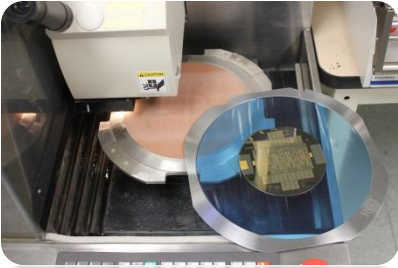


(TBD).



TBD.

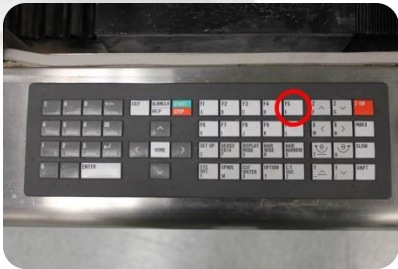
SPINDLE SPEED ADJUST



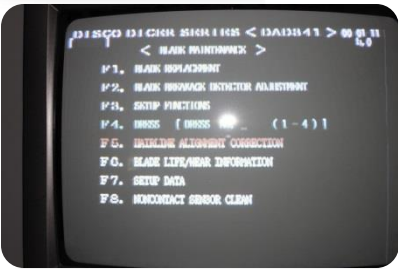
MOUNT A DUMMY SUBSTRATE, OR USE THE MARGIN OF A PRODUCT SUBSTRATE.



[CONSOLE] PRESS "C/T VAC" TO PULL VACUUM ON DICING FRAME.

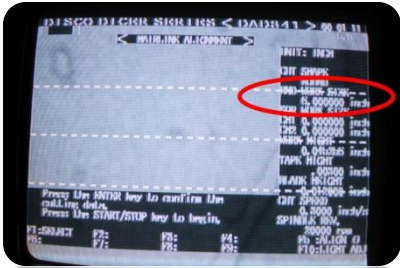


[MONITOR] IN (M) MENU, PRESS "F5" FOR BLADE MAINTENANCE (BM) MENU.

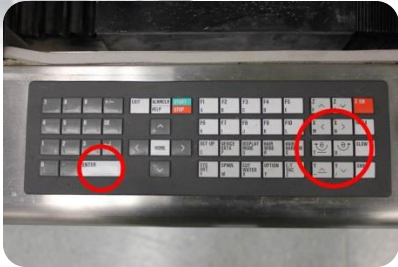


[MONITOR] IN (BM) MENU, PRESS "F5" FOR HAIRLINE ALIGNMENT.

HAIRLINE OFFSET



EDIT SHAPE & SIZE TO MATCH DIMENSIONS OF SUBSTRATE, WORK THICKNESS (HIGHT), TAPE HIGHT, CUT SPEED AND SPINDLE SPEED (TO MATCH SPEED IN SETUP).



[CONSOLE] PRESS "F5" USE THE "X", "Y", & "THETA" KEYS TO ALIGN SUBSTRATE TO THE DESIRE CUT LOCATION. PRESS "ENTER"



[CONSOLE] PRESS "START STOP" FOR A SINGLE CUT THEN BLOW DRY TO REMOVE WATER.



[CONSOLE] USE "Y" UP/DOWN KEYS TO ALIGN CENTER MONITOR RETICLE ON CUT CENTER.

HAIRLINE OFFSET



[CONSOLE] USE "HAIR WIDE" KEY TO EXPAND OR "HAIR NARROW" KEY TO SHRINK OUTER TWO RETICLES TO MATCH SAW CUT WIDTH.



[FRONT COVER] ADJUST LAMP VOLUME TO LOCATE CUT IN ROUGH (CERAMIC) MATERIALS (IF NECESSARY).



[CONSOLE] PRESS "ENTER" TO CONFIRM THEN "C/T VAC" TO RELEASE SUBSTRATE VACUUM.



[CONSOLE] PRESS "EXIT" UNTIL BACK TO "MAIN MENU". REMOVE THE DUMMY SUBSTRATE.

HAIRLINE OFFSET



IN MAIN MENU, PRESS [F4] TO DEVICE DATA LIST. PRESS DOWN KEY TO HIGHLIGHT APPROPRIATE DEVICE ID. PRESS ENTER.



VERIFY OR ADD ID DESCRIPTION, UNITS, CUT MODE*, CUT SHAPE, SPINDLE SPEED (TO MATCH SETUP), WORK SIZE, WORK THICKNESS, TAPE THKN, BLADE HEIGHT, FEED SPEED**, Y INDEX (1 & 2)



IGNORE CUT LENGTH, Z-ADJUST, PRECUT DATA, Z-AXIS DOWN SPEED. THETA ADJUST SWING



AUTO SETUP FOR CUTTING: YES MEANS ONCE SAW HITS DEFINED VALUE, IT PERFORMS A HEIGHT CHECK USING THE NON CONTACT SETUP

DEVICE DATA CREATION [F4]



CUT MODE:

A: CUT LEFT RIGHT, THEN INDEX AND RETURN TO CUT LEFT RIGHT.



CUT MODE:

B: CUT LEFT RIGHT, THEN INDEX THEN CUTS RIGHT TO LEFT



CUT MODE:

AS: (A SPECIAL): A MODE BUT ALLOWS FOR MULTIPLE CUT DEPTHS AND INDEXES



CUT MODE:

BS (B SPECIAL): B MODE BUT ALLOWS FOR MULTIPLE CUT DEPTHS & INDEXES.

DEVICE DATA CREATION [F4]



FEED SPEED:
SILICON: 0.5000 INCH/S
CERAMIC: 0.0400 INCH/S



DEVICE DATA CREATION [F4]



7 8 9 +/-

EXIT ALRMCLR START
HELP STOP

F1 F2 F3 F4
A B C D

Z ^ Z v Z EM
F G

4 5 6 CE

~

F6 F7 F8 F10
H I J K L

X < X > INDEX
M < N >

1 2 3 ↵

< HOME >

SET UP DEVICE DATA DISPLAY MODE HAIR WIDE HAIR NARROW
O P Q R S

↑ ↓ ↻ ↺ SLOW
U

0 ENTER

↓

SYS INIT SPNDL CUT WATER OPTION C/T VAC
V W X Y Z

Y ^ Y v SHIFT
- /

POWER

AXIS LOCK

AXIS RELEASE

MANUAL

DIRECT

LAMP VOLUME

OBLIQUE



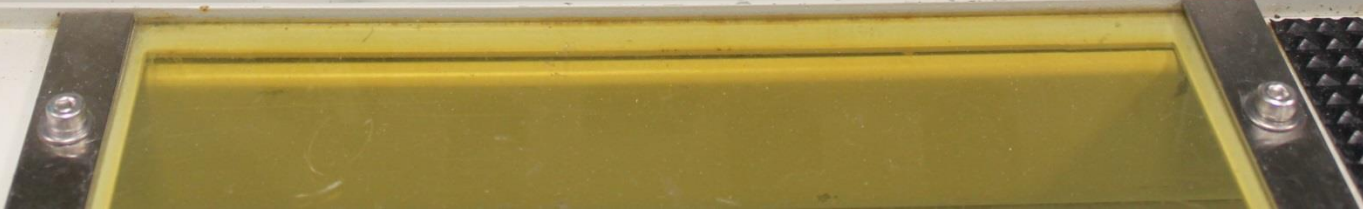
ON

OFF

START



REMOTE



DISCO DICER SERIES < DAD341 > 00-01-11

< BLADE LIFE/WEAR INFORMATION >

5.6

UNIT: INCH

-- CUMULATIVE CUT SINCE --		DISTANCE	# OF CUT
BLADE EXCHANGE		153.023 feet	283 LINE
LAST SETUP		0.000 feet	0 LINE
LAST RESET		4033.095 feet	7471 LINE

-- WEAR AMOUNT SINCE --		
BLADE EXCHANGE		0.017504 inch
FROM LAST SETUP		0.000000 inch
AT THE DOWN AMOUNT		0.000000 inch
CURRENT BLADE EXPOSURE		0.073330 inch

-- SETUP RES. SUMMARY		
SETUP POSITION		1.214618 inch (1.389875 inch)
BETWEEN C/T AND SENSOR		-0.174757 inch
BLADE RUN OUT VOLTAGE		.002330 inch

F1: SELECT

F2:
F7:

F3: COUNTER CLR
F8:

F4:
F9: PRINT OFF F10:

F5:
F6:

DISCO **DAD320**
AUTOMATIC DICING SAW

BLADE COOLER
SHOWER



VACUUM



DISCO DICER SERIES < DAD320 > 92-86-24
[SLOW] 5.3.2
CHUCK TABLE SETUP

BLADE O.D. : 2.25000 inch
CHUCK TABLE SIZE : _6 INCH

Confirm blade O.D. and chuck table size.

930 Setup completed: (0.00017 inchconsumed)

OFF ON START



For Sales/Service Call:
GTS
Giorgio Technology
Sales/Service
Office: (480) 917-3640
Fax: (480) 917-6571

FAYS13
CALIBRATION
NOT
REQUIRED

Dico flange options

(2) 2.187BA 80S

Dicing material notes

Copper foil on tape deforms such that you do not cut all the way through.

Suggest using glass wafer and wax to dicing copper or flip, align and dice backside.