

Transaction Information

Tool ID	WDRIV-02
Tool Status	Connected
Location	Singapore
Wafer Size	200 mm
Fab Section	Diffusion
Tool Available Date	2024-11-09

General Product Information

Vendor Supplier	TOKYO ELECTRON LIMITED
Model	ALPHA-8S-Z
Vintage	1993
Serial No	A00009520013
Asset Description	WDRIVE Furnace
Software Version	VB7.0 R0027
CIM	SECS
Process	HTSIC WDRIV

Hardware Configuration (Fab)

System Type	Description	Quantity	Status
Handler System	Carrier/Wafer transfer unite	1	
Factory Interface	SMIF	1	OK
Options System			
Others			
Main System	Main frame Carrier stage)	1	OK

Hardware Configuration (Subfab / Auxilliary Units)

Description	Quantity	Status
NONE		

Missing/Faulty Parts / Accesories List

Description	Quantity
Note: Quartzware is NOT included	

Tool Pictures

General

MAIN FRAME





Manufacture Serial

Serial plate



Additional Tool Data Files

Diffusion - TEL Alpha 8S configuration		
1.	Manufacturer	TEL
2.	Model	Alpha 8S
3.	Process Name	WDRIV-02
4.	General Configuration	
1	Safety Specification	TEL Standard
2	System Layout Type	U/Box Type
3	System Hand	LL
4	N2 Load Lock	Not installed
5	Heater Type	VMU-40-007 High Temp
6	Torch heater	Yes
7	SMIF	Yes
9	SMIF model	Asyst/Pb90C
5.	Process Gasses	
1	Process Gas 1	N2(30SLM)
2	Process Gas 2	O2(20SLM)
3	Process Gas 3	O2(2SLM)
4	Process Gas 4	H2(10SLM)
5	Process Gas 5	Trans-LC(M-dot 500MG)
	Gas Distribution System	
8	Basic Style	Conventional Gas System
9	Tubing Material	Stainless Steel
10	Tubing Finish	Electro-polished
11	Manual valve	FUJIKIN
12	Air-Operated Valve	FUJIKIN
15	MFC	AREA
6.	Wafer/Cassette Handling	
1	Wafer Type	200mm SEMI STD-Notch
3	Cassette Type	Entergris/XT200-01E
4	Cassette Number of Wafers	25
5	Cassette Storage Qty	16
6	Fork Type/Material	1+4/Al208
6	Fork Variable Pitch	Variable
7.	Boat / Pedestal	
1	Qty of Production Wafers	150
2	Boat rotation	Not installed
8.	System Controls	
1	System Controller	TS4000Z
	Torch Controller	PYRO CTL
3	Signal Tower Colours	G/R/A
5	General Pressure Display Units	Pressure Mpa
6	Cabinet Exhaust Display Units	Kpa
9.	Temp Control	

	Furnace Temp Controller	M121
10.	Host Communications	
1	Host Communications	User Host computer
2	User Host Computer I/F	SECS I/II (RS232)
3	Information Transfer Protocol	GEM
4	Equipment Host I/F connection	U/BOX Top
5	Group controller	GC
11.	Facility Elect. - Equip. Pwr Input (2 line)	
	Voltage 3 phase	208VAC
	Voltage 1 phase	120VAC
	UPS input voltage / output voltage	120V/100V