

a. General

Cat	Description
Vendor / Supplier	Tel 8S
Model	Alpha 8S
Process	DFN
Vintage (Year of Manufacture)	Dec-00
Serial No.	A000000Z5285
Asset Description	DFN-16 TEL ALPHA SAC/GATOX FURNACE
Tool Status (Unhooked/Cold shutdown /Warm shutdown/Online)	Unhooked in Warehouse
Software Version	TS4000
CIM	Yes

b. Hardware Configuration (Fab)

Cat	Description	Qty / Units	Status,tick if ok[✓]
Main System	Main body(carrier stage)	1	
	Utility Box	1	
SMIF System	built in open cassette	1	
Handler System	Wafer handing Robot	1	
	Boat elevator	1	
	Cassette loader	1	
Process Chms	WMM-40-101 Mid Temp	1	
Others (Pls specify if any)	NA		

c. Hardware Configuration (Subfab / Auxilliary Units)

Sub Accessories / Auxilliary Units	Qty / Units	Status,tick if ok[✓]
NA		

d. Missing/Faulty Parts / Accesories List & Estimated Value

(If NO missing/faulty parts/accessories please indicate NA)

Description	Qty / Units
NA	

Diffusion - TEL Alpha 8S configuration

1.	Manufacturer	TEL
2.	Model	Alpha 8S
3.	Process Name	DFN-16
4.	General Configuration	
	1 Safety Specification	TEL Standard
	2 System Layout Type	U/Box Type(I)
	3 System Hand	LL
	4 N2 Load Lock	Not installed
	5 Heater Type	WMM-40-101 Mid Temp
	6 Torch heater	Yes
	7 SMIF	Built in open cassette type
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(VG N2 1SLM)
	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	STEC
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
	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	HEC Pyro CTL+M360
	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	HIA
11.	Facility Elect. - Equip. Pwr Input (2 line)	
	Voltage 3 phase	208VAC
	Voltage 1 phase	120VAC
	UPS input voltage / output voltage	120V/100V