

Equipment Configuration

1. System Summary

Manufacturer	TEL	Vintage	1999.07
Model	Alpha-8S-Z	Process	Nitride

2. General Information

2.1	Wafer Size	8"
2.2	Wafer Type	Flat
2.3	Signal Tower Color	4 Color(R,Y,G,B)
2.4	SMIF or I/O	I/O
2.5	Cassette Slot Q'ty	25 Slot
2.6	Cassette Storage Q'ty	16
2.7	Fork Type	1 + 4
2.8	Boat Rotation	OK

3. Process Gas

3.1	MFC 1	SEC-7450 N2, 20SLM
3.2	MFC 2	SEC-7440 N2, 100SCCM
3.3	MFC 3	SEC-7440 N2, 10SLM
3.4	MFC 4	SEC-7440 N2, 500SCCM
3.5	MFC 5	SEC-740 NH3, 1SLM
3.6	MFC 6	SiH2CL2, 100SCCM
3.7	MFC 7	N/A
3.8	MFC 8	N/A
3.9	MFC 9	N/A
3.10	MFM 1	SEC-7440 NH3, 1SLM
3.11	MFM 2	SEC-7440 SiH2CL2, 100SCCM
3.12	MFM 3	N/A

4. System Controller Specification

4.1	Main Controller	Waves
4.2	Temp Controller	570
4.3	Pressure Control	MKS 253B-3-80-2
4.4	Mecha Controller	None None
4.5	Burn Controller	None None
4.6	MFC Controller	None
4.7	ATCS(Trans-LC)	
4.8	ETC	

5. Vacuum Control

5.1	Main Valve	Angle Valve
5.2	Pressure Controller	MKS 600 series
5.3	Pressure Sensor 1	Edwards PRL-10
5.4	Pressure Swich 1	OMRON K3NX-VD2A-C2
5.5	Pressure Swich 2	PS-10V
5.6	Pressure Swich 3	SPS-8T
5.7	Pressure Gauge	PG-208-102G-3-S
5.8	Vacuum Controller	Edwards 1101

6. Heater

6.1	Model	VMM-40-101
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