

Process:	LPCVD Nitride
Equipment ID	DF-NSP-06
Model	HiKE DJ-1206VN-DM
Item	Detail
General Configuration	
Process	Nitride Mini Batch
Tool Mode	DJ-1206VN-DM
OEM Serial #	T1DC6-12903
Process Pressure	Vacuum
Process Temperature	up to 1050C
Boat Operation	Single Boats Type
Carrier I/D Reader/Writer	Read (at Load Port) Write (at Load Port) (OP)
Maker /Model	ASYST
Furnace Unit	
Cartridge Heater	D4EX27019 (RHC2 Heater with sub-heater)
Furnace Cap Heater	D4CX33224
T/C for Heater Control	D4EX24431
T/C for Sub-Heater Control	D4EX24432
T/C for Over temperature Protection	D4EX15442
T/C for Cap Heater Control	D4EX24411
4-P T/C for Cascade Control	D4EX24391
1-P T/C for Profile Control	D4EX28141
Thyristor Unit for Control	SKKT160L6Z1W
Temperature Controller	CQ1700
Wafer / Carrier Handling	
Wafer Type	300 SEMI STD-Notch
Wafer Notch Aligner	Not Installed (STD)
Carrier Type	FOUP / 25slots (STD)
Carrier Storage Qty.	12
Fork Type/Material	1+4 / Ceramic
Boat / Pedestal / Process Tube	
Qty. of Production Wafers	50
Boat Material	SiC
Boat Type	65 slots Ladder (7.5mm pitch)
Boat Rotation	Yes
Boat Base	Quartz
Liner Tube	Quartz
Process Tube	Quartz Single
Internal T/C Type	Process Tube interior wall type
Gas System	
MFCs	N2 = 50slm

	N2 = 5slm x2
	N2 = 2slm
	DCS = 500sccm
	NH3 = 2slm
	NH3 = 500sccm
	20%F2/N2 = 20slm
	HF = 5slm
	N2O = 1slm
MFC / Pressure Controller	CX3202
Exhaust System	
APC Valve	VEC-SHA8-X0307
APC Controller	VEC-CA8-X0301
Safety	
Gas Detector (F2 Detector)	GD-K77D (F2/3PPM)
Gas Detector (HCL Detector)	GD-K77D (HCL/15PPM)
Gas Detector (HF Detector)	GD-K77D (HF/9PPM)
Gas Detector (N2O Detector)	GD-K77D (N2O/15PPM)
Smoke Detector (Sensor)	OIB
Smoke Detector (Detector)	CPC-2
Water Leak Detector (Sensor)	F03-16PE
Water Leak Detector (Detector)	K7L-AT50
Light Curtain System	SL-C52H
N2 Purge Load Lock System	
FOUP Opener N2 Purge SYSTEM	STD
O2 Monitor / Detector	TF-21D201 (KX-105063)
Loading Area MFC	HM5143A20AR

