



Item	Q'ty
1. Main System	1 set
Main Frame	1 set
Main chamber	1 set
Process Chambers	2 sets
Vacuum transfer robot	1 set
Load lock chambers	2 sets
ATM wafer transfer robot	1 set
Pod Openers	2sets
Gas Control Box	1 set
Pressure Control Unit	2 sets
Susceptor Temperature Control Units	2 sets
End Point Detectors	2 sets
Clean module unit (ULPA Unit) at FEM	1 set
2. Control Rack	1 set
Equipment Controller	1 set
Color LCD Panel with touch panel function	1 set
GEM Controller	1 set
Display for GEM controller	1 set

Equipment Specification	
Item	Specification
Wafer Size	300 mm
Plasma Source	Lambda Resonator Plasma
Processing method	Single Wafer Process
Number of process chambers	Dual Chambers
Wafer Transferring Method	All Mechanical Transferring
	- POD Opener: 2 sets
	- ATM transfer robot: 1 set
	- Load Lock Chamber: 2 sets
	- Wafer Buffering Boats: 2 sets
	- Vacuum Transfer Robot: 1set
Load Ports	FOUP capable: 2 sets
Main Chamber Unit	1 Set
Material	Aluminum (Non-treated)
Process Chamber	2 Sets
Plasma Source	Lambda Resonator Plasma Source
Susceptor Material	Aluminum (Non-treated)
Position of the Susceptor	Fixed
Temperature Control Range of the Susceptor	200 to 300 DEG. C By manually changing of Low/High temp.
Transfer Window open / close	Gate Valve Method (OEM by VTEX) Model: I-I00082-2-1(for P/C)
Wafer Transfer Robot (Vacuum)	1 set
Robot	2 Axis Polar Clean Robot (OEM by JEL) Model: SVHR2192-SM-02058
No. of fingers	2 Fingers
Finger Material	Ceramic
Driving System	AC Servo Motor
Load Lock Chamber	2 Sets
Material	Aluminum (Non-treated)
Transfer Window Open / Close	Gate Valve Method (OEM by VTEX) Model: I-I00080-2-1(for L/C) Model: I-I00081-2-1(for ATM)
Wafer Buffer Boat Unit with Indexer	2 Sets
Buffer Boat Material	Aluminum (Hard Anodized)
Direction	Rotation and Index (Up/Down)
No. of slots	25 Slots
Driving System	AC Servo Motor
Wafer Transfer Robot (ATM)	1 Set (OEM by JEL)
Robot	2 Axis Rotation & Dual Arm Model: MHR4156CS-300-SM-02055
Base Unit of the Robot	X-Axis and Index (Up/Down)
No. of fingers	5 Fingers / 1 finger
Finger Material	Ceramic
Driving System	AC Servo Motor
Pressure Control	2 Sets
Method	APC (Megatorr) Model: ACX3101K12
Pressure Sensor	Capacitance Manometer (Megatorr) Model: CDLD-11S12 E
APC Valve	Butterfly type(Megatorr) Model: MDVX-030ISO-T
Isolation Valve	NW80 / Bellows Valve (SMC) Model: XLA-80-F9NC
Susceptor Temperature Control	2 Sets
Heater / Temperature Sensor	Sheath Heater / RTD
Controller	PID Controller with communication functions (OMRON) Model: E5EK-AA2-DRT
Controlling Range	200 to 300 DEG. C By manually changing of Low/High temp.
R.F. Generator	2 Sets (ADTEC)Model: AX-5000W-27M-KEM
Frequency	27.12 MHz
Max. Output	4.5kW
Output impedance	50 (Ω)
Output Power Reliability:	Min. 10W to +/- 1 % of Output Power

