

Batch Type RF/LF Plasma Cleaning Plasmax 800 Series



The Plasmax 800 series represents a batch-type plasma cleaning machine specifically designed for ion bombardment applications, aimed at enhancing the surface hydrophilicity prior to wire-bonding or molding processes to improve the process performance.

What sets the Plasmax 800 series apart is the provision of diverse plasma sources including low frequency and radio frequency. The LF plasma source is advantageous for generating higher ion oscillation to optimize process effectiveness and the RF plasma source is an ideal solution for safeguarding the vulnerable surface of the product while plasma cleaning process.

Feature

- High process rate with lower electrostatic damage.
- Multiple model selection for diverse application and cost-orientation.
- Applications for surface cleaning prior to wire-bonding, molding and underfill.
- Batch type with customized hollow cathodes for mass production use.
- Full safety system and highly user-friendly design.

Plasmax 800 Models

Model	Plasma Source	Frequency	Throttle Valve	Flow Control
Plasmax 800II	RF	13.56 MHz	W/ Throttle Valve	MFC
Plasmax 800III	LF	100 KHz	W/ Throttle Valve	MFC
Plasmax 800CH	RF	13.56 MHz	W/O Throttle Valve	MPC
Plasmax 800C	LF	100 KHz	W/O Throttle Valve	MPC

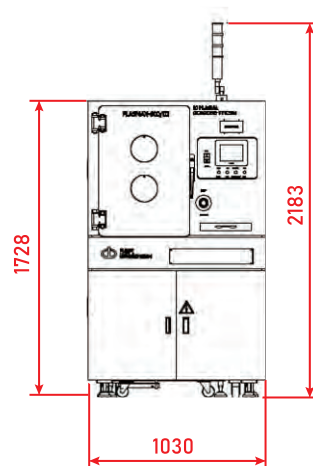


Specification

System Equipment	1100(W)x2100(D)x1180(H)mm
Plasma Chamber	430(W)x435(D)x610(H)mm
Chamber Material	Stainless Steel
Cathode Size	Max. 6 Magazines Loading Product size : (Max)260(L)x75(W)mm
Plasma Source	AC Generator : 13.56 MHz/ 100~120 KHz, 1000W
System Operation	PLC with Touch Screen or PC Base
Pressure Sensor	Capacitance Manometer
Vacuum Pump	Oil Pump or Dry Pump
Process Gas	Ar+H ₂ , O ₂
Driving Gas	CDA with Pressure Meter Regulator (6 Bar)

Facility

System Equipment Total AC Power	3-phases, AC220V, 40A, 60Hz
Vacuum Pump	3-phases, AC220V, 15A, 50/60Hz
AC Generator	1-phase, AC220V, 23A, 50/60Hz
Weight	900kg



Safety

- AC generator protection circuit with voltage and current monitors.
- Front door, panels interlock switches.
- EMO switches.

