

Mini-Lab Plasma-Pod System

Technical Specification:

System Dimensions:	560mm (High approx) x 390mm (Wide) x 600mm (Deep).
Chamber Dimensions:	280mm Internal diameter x 105mm High.
Chamber Construction:	Fixed aluminium chamber base with aluminium chamber fitted with O-ring seal. Top electrode raised with pneumatically controlled hoist assembly.
Substrate Electrode:	Fixed height with internal water cooling channels. Manufactured in Aluminium with a diameter of 125mm. Cover plates with different wafer recess sizes can be supplied.
Top Electrode:	Grounded electrode with internal gas distribution shower head.
Pumping Configuration:	Option 1.... Close coupled Turbo pump with Rotary backing pump. Option 2.... Rotary Pump.
Pressure Gauge:	Combination Capacitance Manometer and Pirani for Process pressure measurement.
Optional Pressure control:	Closed loop pressure control system
RF Power:	300 Watt RF Generator.
RF Matching:	Automatic Matching unit fitted as standard.
Gas System:	Internal Gas Box up to 2 Massflow controlled Gas lines.

Rear Services:

Power requirements:	Single phase 240V ac 50Hz rated at 13 Amps.
Water cooling:	Substrate Electrode 1 - 2 Ltrs/min.

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