

Mini-Lab Plasma-Pod System

Technical Specification:

System Dimensions:	560mm (High approx) x 390mm (Wide) x 620mm 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 3 Massflow controlled Gas lines

Rear Services:

Power requirements:	Single phase 240V ac 50Hz rated at 13 Amps.
Water cooling:	Substrate Electrode - 2 Ltrs/min. (connected with 1/4" Swagelok fittings)

Head office: Unit 4 Camelot Court Somerton Business Park Somerton Somerset UK TA11 6SB

Tel: 0044 (0) 1458 273463

Fax: 0044 (0) 1458 273481

www.jlsdesigns.co.uk

Registered in England

Reg No: 2961642

VAT No: GB634484135

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