



YES- ÉcoCoat Vapor Phase Deposition System

With Plasma for Total environmental Control Over Surface Preparation

Specifications

Hardware	
Clean Room Compatibility	Class 10
Chamber Material	316L stainless steel
Chamber Size	40.6 cm (W) x 46 cm (D) x 40.6 cm (H) (16"x 18"x 16")
Overall System Dimensions	116 cm (W) x 98.4 cm (D) x 112.73 cm (H) (46" x 38.75" x 44.38") not including light tower Note: Light tower increases height 30 cm (11.81")
Loading	4 removable internal stainless steel shelves; 16 available configurations
Wafer Capacity	8 cassettes 100mm - 150mm wafers 2 cassettes 200mm wafers 1 cassette 300mm wafers (1 cassette = 25 wafers)
Slide Capacity	2,000
Filter	0.5 Micron® filter
Mass Flow Controllers	Standard = 0, Optional= up to 3
Vapor Flask Assembly	Standard=2, Optional= up to 3
Software	
Number of Recipes	6 CVD, 4 Plasma
Range of Exposure Time	0-999999 seconds
Resolution of Timer Setting	1 second
Performance	
RF Plasma Frequency	40 kHz
RF Plasma Power	100-1000 Watts
Operation Temperature	Ambient to 205 °C
Uniformity	± 1.5 °C during dwell after stabilization period
Chemical Usage	Typical process 0.1 - 3 ml
Chemical Volume Control	Control down to 0.1 ml
Process Gas Inputs	1
Plasma Gas Inputs	3
Vent Gas Consumption	10 SCF run average
Reactant Gas Consumption	4.2 X 10 ⁻³ SCF (based on standard process: 170°C @ 1000W w/20 SCFM pump)
Additional	
Safety	Audible and visual alarms; redundant over-temp monitoring
Power Requirements	230V, 30 amps, 50 Hz, 1 phase, 5400 Watts (European) 208V, 30 amps, 60 Hz, 1 phase, 4835 Watts (Domestic)
Power Supply	Automatic Frequency Tuning
Shipping Weight, Crated (approx.)	499 kg (1100 lbs.)



Contact Us

When you're ready to run process tests, a demonstration can be arranged using your chemicals and samples. Contact us at info@bita.lu

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