



## YES-G1000 Plasma Cleaning System

*For Wire Bond Surface Preparation and Gentle Cleaning Applications*

### Specifications

Hardware	
Clean Room Compatibility	Class 10
Operation Temperature	20 – 100 °C
N <sub>2</sub> Flow Rate	1.7 SCFM
Process Gas Flow Rate	20-50 SCCM average
Interior Chamber Dimensions	45.72 cm (W) x 45.72 cm (D) x 30.48 cm (H) (18" x 18" x 12")
Chamber Process Area	931 in <sup>2</sup> or 233 in <sup>2</sup> per shelf
Overall System Dimensions	59.69 cm (W) x 71.12 cm (D) x 113.284 cm (H) (23.5" x 28" x 44.6")
Chamber Material	6061-T6 aluminum
Process Gas Inputs	3 standard, 4 <sup>th</sup> optional
Mass Flow Controllers	Optional, up to 3 for gas mixing
SEMI Compliance	S2 compliance
Software	
Number of Recipes	12 with load/save/loop/link capability
Range of Exposure Time	0-1200 seconds (20 minutes)
Resolution of Timer Setting	1 second
Performance	
RF Plasma Power	0-1000 watts @ 550 VAC, selectable power
RF Leakage Magnetic	0.6 mA/m, $4.15 \times 10^{-7} \text{ A}^2/\text{m}^2$ Average
RF Leakage Electrical	1.6 V/m, $4.2 \text{ V}^2/\text{m}^2$ Average
Nitrogen Consumption	0 SCF idle, 6.8 SCF peak, 1.7 SCF average
Power Consumption with Pump	375W idle, 1000W peak, 640W average
Reactant Gas Consumption	0 SCF idle, 20-50 SCCM
Heat Emission	920 watts average
Additional	
Power Requirements	208-230V, 20 amps, 50/60 Hz, 1 phase
System Weight	158.76 kg (350 lbs)
Shipping Weight, Crated (approx.)	345 kg (760 lbs)
Crate Dimensions	137.6 cm (W) x 91.44 cm (D) x 144.78 cm (H) (54" x 36" x 57")



### Contact Us

When you're ready to run process tests, a demonstration can be arranged using your chemicals and samples. Call +1 925-373-8353 (worldwide), 1-888-YES-3637 (US toll free), or visit us online at [www.yieldengineering.com](http://www.yieldengineering.com).

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