

PCB Etching System

The Magna is the pinnacle of plasma etching technology and represents the next generation evolution for our MK-II line of systems. It's the world's first plasma etching system that eliminates the need for CF4 gases used by PCB manufacturers for desmear and etch back processing. The Magna sets new standards in several key areas; it's able to achieve faster etch times, lower power usage, and incredible process uniformity not achievable with any other systems. This system provides precision, uniform etching simultaneously on both sides of processed materials. The high performance, unparalleled uniformity, lowered operating costs, and environmentally friendly usage makes the Magna a significant breakthrough in plasma etching technology.



STANDARD FEATURES

Electrode Configuration	Carousel (8 panels, 19" x 28") Advanced Electrode Design Eliminates the Need for CF4 Gases
Generator	2000W 13.56MHz Power Supply with Automatic Matching Network
Gas Control	Two 0-500cc Mass Flow Controllers with Low Gas Source Alarms
Control System	Color PLC-Based Touch Screen Control Interface
Vacuum Pump	Dry Pump/Blower Combo; Chiller for RF Network & Dry Pump Cooling
Chamber	6061-T6 Aluminum
Unit Dimensions	8' x 6' x 6'
Accessories	Signal Light Tower, On-Board O2 Gas Generator, Packed Fume Scrubber, Process Temperature Control

FACILITY REQUIREMENTS

Electrical	208V @ 60 Amps, 3 Phase, 5 Wire
Compressed Air Service	80-100PSI, 0.5CFM
Cooling	Closed Loop Water Source