

# PLASMA ETCH

PROGRESS THROUGH INNOVATION

## NEXT GENERATION PCB ETCHING SYSTEM

# MAGNA

72"

96"



THE MAGNA SERIES IS THE WORLD'S FIRST TRULY GREEN PLASMA ETCHING SYSTEM TO BE USED IN THE MANUFACTURING PRODUCTION OF PCBs (PRINTED CIRCUIT BOARDS). MAGNA'S TECHNOLOGY ELIMINATES THE NEED FOR CF4 GAS THAT IS PRESENTLY USED BY PCB MANUFACTURERS USING PLASMA ETCHING SYSTEMS FOR DESMEAR AND ETCH BACK PROCESSING.

MAGNA IS THE NEXT GENERATION REPLACEMENT FOR OUR TIME PROVEN MK-II LINE OF SYSTEMS FOR DESMEAR AND ETCH BACK

APPLICATIONS.

AS THE RESULTS SHOW, MAGNA SETS NEW MARKET STANDARDS IN SEVERAL KEY AREAS. MAGNA'S REVOLUTIONARY TECHNOLOGY PROVIDES FASTER ETCH TIMES, LOWER OPERATING COST, LOWER POWER USAGE, AND INCREDIBLE PROCESS UNIFORMITY NOT ACHIEVABLE USING EXISTING MK-II TYPE TECHNOLOGIES. MAGNA PROVIDES PRECISION, UNIFORM ETCHING ON BOTH SIDES OF PANELS SIMULTANEOUSLY. THE MAGNA IS A GREAT CHOICE BENEFITING BOTH CUSTOMERS AND OUR ENVIRONMENT.

IN ADDITION, MAGNA'S TECHNOLOGY USES A PROCESS CALLED "BOARD ETCH CLONING." DURING THIS PROCESS, EACH BOARD FOLLOWS THE SAME PRECISE INLINE PATH LOCATIONS WITHIN THE PLASMA CHAMBER. THIS PROVIDES CONSISTENT CLONED ETCH RESULTS FROM BOARD TO BOARD.

## PLASMA ETCH

PROGRESS THROUGH INNOVATION

3522 ARROWHEAD DRIVE  
CARSON CITY, NV 89706  
775.883.1336  
[WWW.PLASMAETCH.COM](http://WWW.PLASMAETCH.COM)  
[SALES@PLASMAETCH.COM](mailto:SALES@PLASMAETCH.COM)

---

## STANDARD SYSTEM FEATURES

PATENT PENDING CAROUSEL HOLDS 8 PANELS 19" X 28"  
ADVANCED ELECTRODE DESIGN ELIMINATES CF4  
GXS 160/1750 BOC EDWARDS DRY PUMP  
2500 WATT RF GENERATOR  
MASS FLOW CONTROLLER  
2 CHANNELS 0-500 CC/MINUTE  
PC CONTROL WITH TOUCH SCREEN  
LOW GAS ALARMS  
VACUUM CONTROL  
VACUUM GAUGE 0-10 TORR  
SIGNAL LIGHT TOWER

---

## OPTIONAL SYSTEM FEATURES

ONBOARD O2 GAS MAKER; NO NEED FOR BOTTLE GAS  
FUME SCRUBBER  
CHILLED WATER RECIRCULATION FOR RF AND VACUUM PUMP

---

## SYSTEM SPECIFICATIONS

DEPTH: 6'  
WIDTH: 8'  
HEIGHT: 6'

---

## FACILITY REQUIREMENTS

ELECTRICAL 60 AMP SERVICE 3-PHASE  
COMPRESSED AIR 80-100 PSI  
CLOSED LOOP WATER SOURCE

CONTACT US TODAY  
FOR A QUOTE ON YOUR CUSTOM  
PLASMA MACHINE

**775.883.1336**

**WWW.PLASMAETCH.COM**

3522 ARROWHEAD DRIVE CARSON CITY NV. 89706

