

## AFFORDABLE BENCHTOP PLASMA SYSTEM

# PE-50

18"

14"



THE PLASMA ETCH, INC. PE-50 IS OUR ENTRY LEVEL PLASMA SYSTEM AND OFFERS MANY FEATURES NOT FOUND IN COMPETITIVE UNITS.

THIS SYSTEM IS MADE FOR SMALLER PRODUCTION FACILITIES, R&D FACILITIES AND UNIVERSITIES. THE SYSTEM FEATURES AN IMPLOSION PROOF 6" W X 7" D X 4" H RECTANGULAR WELDED ALUMINUM VACUUM CHAMBER AND A DIRECT POWERED RF ELECTRODE.

AS IN ALL PLASMA ETCH SYSTEMS A CAPACITIVE PARALLEL PLATE DESIGN IS USED FOR THE MOST EFFECTIVE

PLASMA GENERATION. COMPETITIVE UNITS WITH GLASS/QUARTZ BARREL CHAMBERS CANNOT PENETRATE THE VACUUM CONTAINMENT VESSEL AND THEREFORE ARE RESTRICTED TO INDUCTIVE COUPLING USING AN RF COIL WRAPPED AROUND THE EXTERIOR OF THE CHAMBER.

THE PE-50 HAS A FEW OPTIONAL SYSTEM FEATURES INCLUDING A MASS FLOW METER, A LIGHT BAR, OR A 100W @ 13.56MHZ RF GENERATOR AND AUTOMATIC MATCHING NETWORK.

THE PE-50 IS COMPRISED OF COMPONENTS MADE IN THE USA

AND IS BUILT IN AND SUPPORTED FROM OUR CARSON CITY, NV HEADQUARTERS WITH SOME OF THE BEST CUSTOMER SERVICE AVAILABLE IN THE INDUSTRY.

**PLASMA ETCH**  
PROGRESS THROUGH INNOVATION

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## STANDARD SYSTEM FEATURES

WELDED ALUMINUM VACUUM CHAMBER, 6" W x 7" D 4" H  
SINGLE 4.5" x 6" HORIZONTAL ELECTRODE  
150 WATTS @ 50 KHZ R.F. GENERATOR; OPTIONAL 400 WATT POWER SUPPLY.  
PRECISION NEEDLE VALVE FLOW CONTROL 0-25 CC/MIN  
PIRANI VACUUM GAUGE 0-1 TORR  
5 CFM OXYGEN SERVICE VACUUM PUMP  
SINGLE PROCESS SEQUENCE

## OPTIONAL SYSTEM FEATURES

100W @ 13.56MHZ RF GENERATOR AND AUTOMATIC MATCHING NETWORK

## SYSTEM ELECTRICAL & MECHANICAL

AC SERVICE, 120VAC 60 Hz @ 15 A OR 220 VAC 50 Hz @ 14A  
CONSOLE SHIPPING WEIGHT 55LBS  
VACUUM PUMP SHIPPING WEIGHT 35LBS  
CONSOLE DIMENSIONS 14 " X 14.5" X 18"  
PUMP FOOTPRINT 7" X 16" (SITS ON THE LH SIDE OF THE CONSOLE)

CONTACT US TODAY  
FOR A QUOTE ON YOUR CUSTOM  
PLASMA MACHINE

775.883.1336

WWW.PLASMAETCH.COM

3522 ARROWHEAD DRIVE CARSON CITY NV. 89706

