

## AFFORDABLE BENCHTOP PLASMA SYSTEM

# PE-50 XL



THE PLASMA ETCH, INC. PE-50 XL HAS ALL THE FEATURES AS THE PE-50, HOWEVER IT COMES WITH AN 8" W X 9" D X 4"H CHAMBER FOR THOSE LOOKING TO PROCESS LARGER APPLICATIONS. THIS SYSTEM IS PERFECT FOR SMALLER PRODUCTION FACILITIES, R&D FACILITIES AND UNIVERSITIES.

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 XL HAS A FEW OPTIONAL FEATURES INCLUDING A 100W @ 13.56MHZ RF GENERATOR AND AUTOMATIC MATCHING NETWORK, A LIGHT BAR, OR MASS FLOW CONTROLLERS FOR ADDED PRECISION.

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, 8" W X 9" D 4" H  
SINGLE 7" X 8" HORIZONTAL ELECTRODE  
400 WATTS @ 50 KHZ R.F. GENERATOR  
PRECISION NEEDLE VALVE FLOW CONTROL 0-25 CC/MIN  
PIRANI VACUUM GAUGE 0-1 TORR  
5 CFM OXYGEN SERVICE VACUUM PUMP  
SINGLE PROCESS SEQUENCE

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## OPTIONAL SYSTEM FEATURES

100W @ 13.56MHZ RF GENERATOR AND AUTOMATIC MATCHING NETWORK

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## 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 DIMENSIONS 7" X 16" (SITS ON THE LH SIDE OF THE CONSOLE)

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CONTACT US TODAY  
FOR A QUOTE ON YOUR CUSTOM  
PLASMA MACHINE

775.883.1336

WWW.PLASMAETCH.COM

3522 ARROWHEAD DRIVE CARSON CITY NV. 89706

