

BENCHTOP PLASMA SYSTEM

PE-100

28"

17"



THE PE-100 IS A COMPLETE SYSTEM WITH VACUUM PUMP DESIGNED TO BE ROBUST AND RELIABLE YET INEXPENSIVE ENOUGH TO ALLOW STARTUP COMPANIES, MEDICAL LABS AND R&D FACILITIES THE OPPORTUNITY TO EXPERIENCE PLASMA ETCH TECHNOLOGY.

THE ALL ALUMINUM CHAMBER FEATURES OVER 240 SQUARE INCHES OF ACTIVE PROCESSING SURFACE WITH THE THREE LEVEL STANDARD CONFIGURATION.

THE CLEAN DESIGN FEATURES AN INDUSTRIAL POWDER COATED FRAME TO GUARD YOUR PROCESSING ENVIRONMENT FROM CONTAMINATION.

CLEANING WITH PLASMA YIELDS INCREASED UNIFORMITY OF ANY SURFACE TREATED AND REDUCES OR ELIMINATES UNWANTED AND OFTEN EXPENSIVE CHEMICAL WASTE. OPERATION IS THROUGH A SIMPLE TO USE, INTUITIVE TOUCH SCREEN INTERFACE AND OFFER SAFE AND REPEATABLE PROCESSES.

WE OFFER CUSTOM ELECTRODE CONFIGURATIONS INCLUDING RIE (REACTIVE ION ETCH) AND PROCESS TEMPERATURE CONTROL.

PLASMA ETCH
PROGRESS THROUGH INNOVATION

3522 ARROWHEAD DRIVE
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STANDARD SYSTEM FEATURES

12" X 12" X 12" WELDED ALUMINUM VACUUM CHAMBER
THREE 9" X 9" ELECTRODE "SHELVES" ON 3" SPACING
300 WATT RF GENERATOR @ 100KHZ
ONE 0-50CC MASS FLOW CONTROLLER
PIRINI VACUUM GAUGE. RANGE 0-1 TORR
MICROPROCESSOR CONTROL SYSTEM WITH TOUCH SCREEN, SINGLE PROCESS
VACUUM PUMP, OXYGEN SERVICE 8 CFM
8 CFM OXYGEN SERVICE VACUUM PUMP WITH MIST ELIMINATOR

OPTIONAL SYSTEM FEATURES

300 WATT GENERATOR @ 13.56 MHZ
ELECTROSTATIC SHIELDING OF CHAMBER
PROCESS TEMPERATURE CONTROL
CUSTOM ELECTRODE CONFIGURATIONS
RIE (REACTIVE ION ELECTRODE)
NITROGEN OR CDA PURGE ON VACUUM PUMP

FACILITY OPTIONAL

PACKED BED FUME SCRUBBER
COMPRESSED AIR DRYER (PURGE GAS GENERATOR)

SYSTEM SPECIFICATIONS

PLASMA CONSOLE 17" X 28" X 30" / 160LBS
VACUUM PUMP 6" X 18" X 9" / 68LBS

FACILITY REQUIREMENTS

AC SERVICE, 120 VAC 60 HZ 15A OR 220 VAC 50 HZ 13A
SINGLE PHASE
COMPRESSED AIR SERVICE 80-100 PSI 0.5 CFM
REGULATED PROCESS GASES 15 PSI, TWO STAGE REGULATOR
LESS THAN 85°F NON-CONDENSING

CONTACT US TODAY
FOR A QUOTE ON YOUR CUSTOM
PLASMA MACHINE

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