

SURFACE ACTIVATION SYSTEM

BT-1

70"

36"



PROCESSING YOUR PRODUCT, WHETHER IT BE SMALL OR LARGE PLASTIC PARTS, MEDICAL IMPLANTS, WAFERS OR ELECTRONIC COMPONENTS, YOU WILL FIND THAT ALL ARE UNIFORMLY TREATED IN THE BT-1. BENEFITS TO YOU ARE BETTER ADHESION OR MARKING, CLEANER PARTS WITH LESS LABOR AND REDUCED CHEMICAL EXPENSE BY ELIMINATING UNWELCOME AND OFTEN EXPENSIVE CHEMICAL WASTE ASSOCIATED WITH CLEANING AND PRIMING.

THE LARGE ALL ALUMINUM CHAMBER ACCOMMODATES A GENEROUSLY SIZED ACTIVE PROCESSING SURFACE, OUR STANDARD CONFIGURATION OF

FIVE LEVELS OF PROCESSING SHELVES PROVIDES YOU WITH 2100 SQUARE INCHES OF USEABLE PLASMA PROCESSING AREA. OUR INTUITIVE AND SIMPLE TO USE TOUCH SCREEN INTERFACE HAS CONTROL OVER EVERY ASPECT OF THE PLASMA PROCESS ENSURING RELIABILITY AND REPEATABILITY.

THE CONSOLE'S COMPACT FOOTPRINT TAKES UP VERY LITTLE SPACE FOR THE WORK IT ACCOMPLISHES AND THE SYSTEM IS SUPPLIED WITH A VACUUM PUMP ESPECIALLY PREPARED FOR OXYGEN SERVICE. THE VACUUM PUMP IS AVAILABLE WITH A TWO POINT N2 PURGE SYSTEM TO MITIGATE THE FORMATION OF CORROSIVE END PRODUCTS IN THE PUMP THUS

EXTENDING THE SERVICE LIFE AND REDUCING THE MAINTENANCE CYCLE OF SYSTEMS USING HALOGENATED GASSES.

WE CAN CUSTOM CONFIGURE A SYSTEMS CHAMBER AND ELECTRODE TO SUIT YOUR REQUIREMENT; RIE (REACTIVE ION ETCH); SEMICONDUCTOR LEAD FRAME MAGAZINES AND ROTATING HORIZONTAL AND VERTICAL ELECTRODES.

PLASMA ETCH
PROGRESS THROUGH INNOVATION

3522 ARROWHEAD DRIVE
CARSON CITY, NV 89706
775.883.1336
WWW.PLASMAETCH.COM
SALES@PLASMAETH.COM

STANDARD SYSTEM FEATURES

WELDED ALUMINUM CHAMBER MEASURING 25"W, 25"D AND 21"H
5 HORIZONTAL PROCESSING ELECTRODES; 20" X 21" ON 3" SPACING
600 WATTS R.F. GENERATOR@ 13.56 MHZ; AUTOMATIC MATCHING NETWORK
ONE 500 SCCM MASS FLOW CONTROLLER
PIRANI VACUUM GAUGE 0-1 TORR
MICROPROCESSOR SYSTEM W/ TOUCH SCREEN INTERFACE
STORES UP TO 20 TWO STEP RECIPES
29 CFM OXYGEN SERVICE VACUUM PUMP W/ 3 MICRON OIL FILTRATION

OPTIONAL SYSTEM FEATURES

ELECTROSTATIC SHIELDING
PROCESS TEMPERATURE CONTROL
1250 WATT RF GENERATOR @13.56MHZ
59 CFM OXYGEN SERVICE VACUUM PUMP
355 CFM VACUUM BOOSTER BLOWER
RIE (REACTIVE ION ELECTRODE) CONFIGURATIONS
LOW SUPPLY PRESSURE GAS ALARMS
MICROSOFT COMPUTER CONTROL SYSTEM W/ TOUCH SCREEN INTERFACE
INTUITIVE PLASMA ETCH OPERATING SOFTWARE W/DATA REPORTING, EVENT MONITORING, PRINTING
SIGNAL LIGHT TOWER | ACTIVE VACUUM CONTROLLER | 4 MASS FLOW CONTROLLERS
AUTOMATIC 2 POINT N2 VACUUM PUMP PURGE | CONTROLLED RATE N2 CHAMBER PURGE
VACUUM PUMP EXHAUST OIL MIST COALESCING FILTER
CUSTOM CHAMBERS AND ELECTRODES FOR YOUR REQUIREMENT

FACILITY OPTIONAL

CLOSED LOOP CHILLER FOR RF GENERATOR
PACKED BED FUME SCRUBBER
COMPRESSED AIR DRYER (PURGE GAS GENERATOR)

SYSTEM SPECIFICATIONS

SYSTEM WEIGHT CONSOLE 1200LBS. VACUUM PUMP 150LBS.
FOOTPRINT, PLASMA CONSOLE 70" X 36" X 32"
FOOTPRINT, VACUUM PUMP 16" X 30" X 17"

FACILITY REQUIREMENTS

AC SERVICE, 120/208 VAC, 50/60 HZ, 3 PHASE, 5 WIRE, 30 AMPS
COMPRESSED AIR SERVICE 80-100 PSI, 0.5 CFM
SYSTEM ENVIRONMENT AIR CONDITIONED 85 F NON-CONDENSING
REGULATED PROCESS GASES 15 PSI

CONTACT US TODAY

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