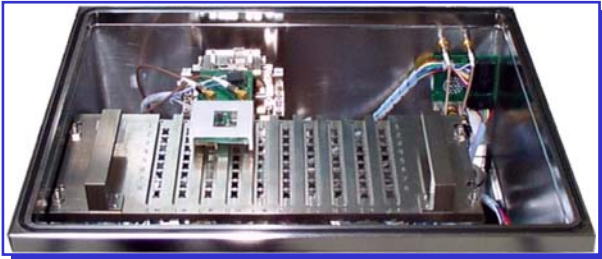


- **Monolithic Crystal Filter final frequency adjust plating system**
- **Plates FE1, FE2 and bandwidth to user specified targets**
- **Measured parameters are checked against easy to define Q.C. limits after each filter is plated**
- **Measurement data may immediately be stored and/or printed**
- **Leaded devices held in linear transports**
- **Surface mount devices held in component tray or customer specified pallet array**



- **The component area is customized to precise device size requirements**
- **Proprietary measurement technique**
- **Does not require a variable inductor**
- **Precise X-Y table positioning**

### SPECIFICATIONS

**Frequency Range:**

10 MHz - 300 MHz

**Plating Performance:**

± 4 ppm typical final frequency

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## MEASUREMENTS

- Center Frequency
- Symmetry
- Short Circuit Bandwidth
- Resonator Frequency Port 1
- Resonator Frequency Port 2
- Total Resistance
- Resonator 1
  - Resistance
  - Inductance
  - Capacitance
- Resonator 2
  - Resistance
  - Inductance
  - Capacitance

## SYSTEM CONFIGURATION

- Vector Voltmeter
- Dual Output Synthesizers
- X-Y Table Vacuum Assembly
- Turbo or Cryo Pump
- Direct Drive Roughing Pump
- Computer
- Light Pole
- System Software
- Closed Loop Water Cooled Filament
- Bar Code Reader (Optional)
- Printer (Optional)
- Quartz Crystal Plating (Optional)

## FACILITY REQUIREMENTS

- **Power:** 220 Volts @ 30 A or 380 Volts @ 20 A, 3-Phase
- **Inlet Pressures:** 150 PSIG Maximum
  - **Air:** 90 PSIG
  - **Nitrogen:** 20 PSIG (Turbo), 70 PSIG (cryo)
- **Cryo Water Cooling:** 0.5 GPM @70 ° F, typical
- **Dimensions:** 52.5 x 34.5 x 55 Inches (excluding light pole & cryo compressor) (133.4 x 87.6 x 139.7cm)  
Cryo pump compressor 19.5 x 24 x 19 inches  
(49.2 x 61 x 48.3 cm) Light pole 39.5 inches (100.3 cm)

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