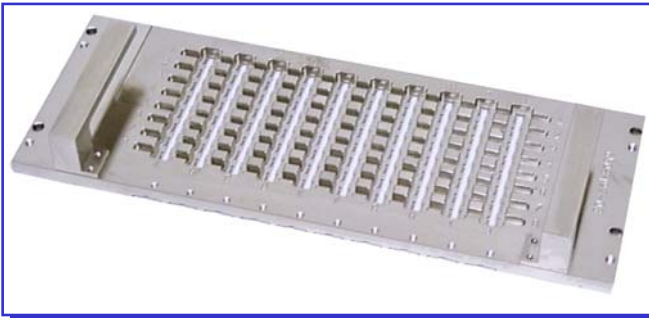


- Three Pole, Monolithic Crystal Filter final frequency adjust plating system
- Plates three resonators and two coupling areas to user specified targets
- Measured parameters are checked against easy to define Q.C. limits after each filter is plated
- Measurement data may immediately be stored and/or printed
- 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 - 200 MHz

Plating Performance:

± 4 ppm final frequency, typical

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MEASUREMENTS

- Center Frequency
- Symmetry
- Bandwidth of Coupling Area 1
- Bandwidth of Coupling Area 2
- Resonator Frequency Port 1
- Resonator Frequency Port 2
- Resonator Frequency Port 3
- 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 Cooling of Filament
- Bar Code Reader (Optional)
- Printer (Optional)
- Quartz Crystal Plating (Optional)
- Two Pole MCF 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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