Quartz Crystal SMD devices are adjusted to target frequency by Ion Beam Etching of the electrode material.

The motional parameters of the crystal remain virtually unchanged.

Up to thirty-two (32) parts are processed simultaneously for high system throughput.

Small crystal electrodes are as easy to precisely adjust as large electrodes.

High Drive capability.

Measured parameters are checked against easy to define Q.C. limits.

SMD devices are continuously loaded, unloaded and adjusted to frequency with optional elevator system.

Two magazines each hold 5 transport boats.

Supports small SMD sizes including 3.2x5.0, 3.2x2.5, 2.5x2.0, 2.0x1.6, 1.6x1.25

Transport boats carry SMD devices in S&A flip pallets.

Many pallet matrix configurations available including 16x40, 8x60, 8x30

SPECIFICATIONS

250B-1 Frequency Range: 15 KHz to 220 MHz
250C Frequency Range: 15 KHz to 500 MHz
Etching Performance: ± 1 ppm typical final frequency
**SYSTEM CONFIGURATION**

- Two S&A 250B-1 or 250C Network Analyzers
- Direct Drive Roughing Pump
- Cryo Pump
- S&A Dual Channel High Drive

- S&A Ion Gun
- S&A 690B Elevator System
- Computer
- Windows® based System Software

**FACILITY REQUIREMENTS**

- **Power:** 380VAC/208VAC
  3-Phase, 7KVA, 50/60 Hz

- **Inlet Pressure:**
  - Air: 90 - 100 PSIG
  - Nitrogen: 70 - 100 PSIG
  - Process Gas: 20 PSIG

- **Dimensions:** W 53” x D 59” x H 88”

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