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.

Sixty four (64) parts are processed simultaneously for high system throughput.

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

Super High Drive capability.

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

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 16x20 S&A flip pallets.

Dual boat configuration holds four pallets per run with a total of 1280 parts.

**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

- Four S&A 250B-1 or 250C Network Analyzers
- Direct Drive Roughing Pump
- Cryo Pump
- Two S&A Dual Channel High Drive Units
- Two S&A Ion Guns
- Two Loading Platforms
- Computer
- Windows® based System Software
- Light Pole

SCREEN FORMAT

FACILITY REQUIREMENTS

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

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

- Dimensions:
  - Standard: W 65” x D 37” x H 106”
  - With Platform: W 65” x D 52” x H 106”

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