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.

- 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**

<table>
<thead>
<tr>
<th>250B-1 Frequency Range:</th>
<th>15 KHz to 220 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>250C Frequency Range:</td>
<td>15 KHz to 500 MHz</td>
</tr>
<tr>
<td>Etching Performance:</td>
<td>± 1 ppm typical final frequency</td>
</tr>
</tbody>
</table>

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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
- 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: 70 - 100 PSIG
  Process Gas: 20 PSIG
- Dimensions: W 53" x D 37" x H 88"

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