**W-250B/12SA CRYSTAL PLATING SYSTEM**

- Extremely fast quartz crystal plating system
- Plates two crystals at the same time
- High conductance vacuum design for quick pump down
- Fast stepper motor drive system with 0.1 second index time
- Precision plating to load resonant frequency using “Measured FL” method
- Over 50 different crystal parameter QC measurements
- Continuous crystal high drive capability for improved crystal DLD
- Small chassis design for minimum clean room space requirement

**SPECIFICATIONS**

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

**User-friendly Windows® based system software**

- Supports standard 6SA type, 72 position HC-45 and HC-49U, and 144 position HC-49S plating wheels
- SMD option supports easy load 126 position SMD plating discs
- Standard 6SA type filaments
- S&A 900A SMD Plating Disc Unloader/Loader system available

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FAX: +44 (0) 20 7720 5261 E-Mail saunders@roditi.com - World Wide Web http://www.roditi.com
**FACILITY REQUIREMENTS**

- **Power:** 380 Volts, 3-Phase, 15 Amps
- **Inlet Pressures:**
  - Air: 90 PSIG
  - Nitrogen: 20 PSIG
- **Water Cooling (Diffusion):** 0.15 GPM @ 16-27°C
- **Dimensions:** W 60 x D 105 x H 100 cm

**SYSTEM CONFIGURATION**

- Computer
  - Windows® based System Software
  - Plating Wheels (Optional)
  - Light Pole (Optional)
- S&A 250B-1 or 250C Network Analyzer
- Direct Drive Roughing Pump
- Diffusion Pump
- S&A PCI TTL I/O Card

**SCREEN FORMAT**

![Image of a computer screen showing various settings and graphs.](Image)