S&A

W-5920i OSCILLATOR
INLINE ETCHING SYSTEM

• Linear input to output process flow for easy inline system integration
• Oscillator SMD and VCXO 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 parts are processed simultaneously for high system throughput
• Small crystal electrodes are as easy to precisely adjust as large electrodes
• 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

Transport Boat

SPECIFICATIONS

Measurement Range: 32 KHz to 622 MHz
Etching Performance: ± 1 ppm typical final frequency

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SYSTEM CONFIGURATION

- S&A MFC-100 Card
- S&A 250B-1 or 250C Network Analyzer
- Direct Drive Roughing Pump
- Cryo Pump
- S&A Ion Gun
- Computer
- Windows® based System Software
- Light Pole

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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