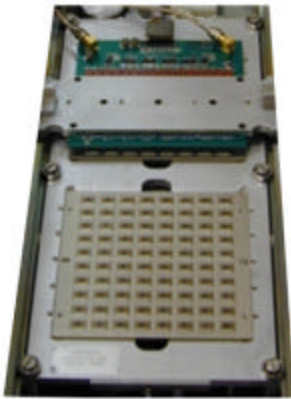


- Oscillator SMD and VCXO devices are adjusted to target frequency by Ion Beam Etching of the crystal electrode material
- The motional parameters of the crystal remain virtually unchanged
- Up to sixteen parts are processed simultaneously for high system throughput
- Small crystal electrodes are as easy to precisely adjust as large electrodes
- Measured parameters are checked against easy to define Q.C. limits



Transport Boat

- SMD devices are continuously loaded, unloaded and adjusted to frequency with optional Elevator System
- Two magazines each hold five transport boats
- Transport boats carry SMD devices in two S&A pallets
- Supports 8x10, 6x15 or custom pallets
- 32 KHz Watch Crystal option available

### SPECIFICATIONS

Measurement Range:  
Etching Performance:

32 KHz to 622 MHz  
 $\pm 1$  ppm typical final frequency

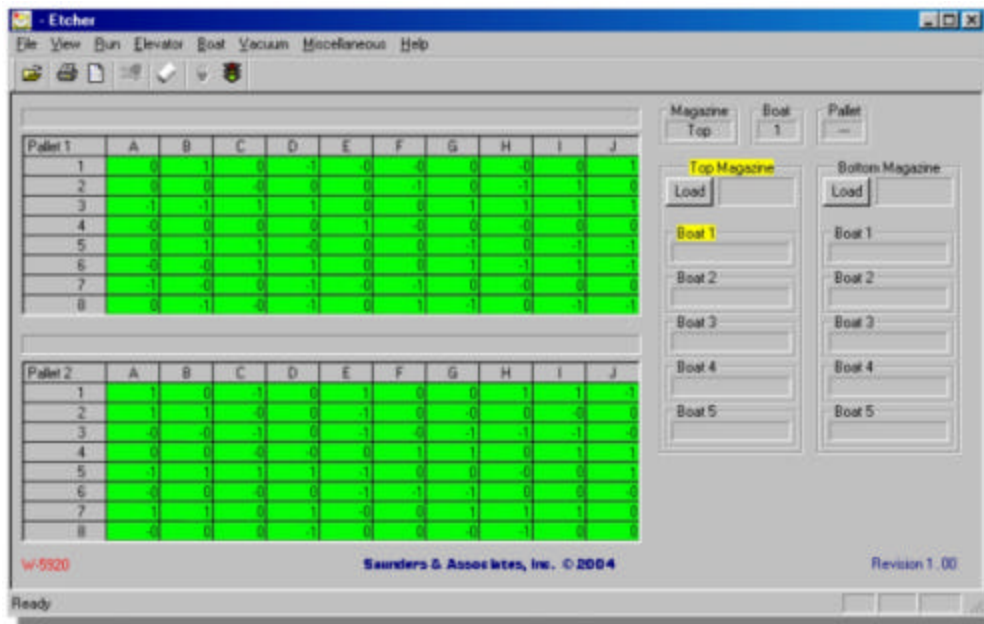
## SAUNDERS & ASSOCIATES, LLC

2520 E. Rose Garden Lane - Phoenix, Arizona 85050 USA (602) 971-9977 FAX (602) 971-5522  
E-Mail [sales@saunders-assoc.com](mailto:sales@saunders-assoc.com) - World Wide Web <http://www.saunders-assoc.com>

## SYSTEM CONFIGURATION

- S&A Multi-Function PCI Card
- S&A 250B-1 Network Analyzer
- Direct Drive Roughing Pump
- Diffusion Pump (Cryo Pump Option)
- 690 Elevator System (Optional)
- Ion Gun
- Computer
- System Software
- Light Pole

## SCREEN FORMAT



## FACILITY REQUIREMENTS

- Power: 380VAC/208VAC  
3-Phase, 7KVA, 50/60 Hz
- Inlet Pressure: 90 - 100 PSIG  
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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