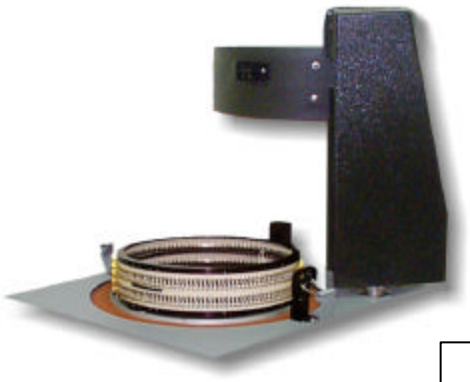
S&A

W-2200 TEMPERATURE TEST SYSTEM

With 250B-1 or 250C Network Analyzer

- **Automated, software-based quartz crystal temperature test system**
- **Measures over 75 different tests**
- **Parameter and curve fit characteristics are checked against easy to define QC limits**
- **Crystals of different frequencies can be tested in a single temperature run**
- **All data is published in a *Microsoft Access*™ data base**
- **Data can be exported to *Microsoft Excel* ™ for custom data analysis**
- **Printouts are generated using *Crystal Reports*®**
- **Crystal part number can be used to set complete measurement parameters, QC limits, temperature test points, and data printouts**



- **Accommodates dual row test wheel with extended life test head contacts**
- **Easily loaded S&A proprietary sockets accept HC-45, HC-49, HC-43, HC-49US, HC-18, SMD and tubular type packages**
- **Typically holds 254 devices per run**
- **Dual Chamber configuration available**

SPECIFICATIONS

250B-1 Frequency Range:	15 KHz to 220 MHz
250C Frequency Range:	15 KHz to 500 MHz
Frequency Correlation:	± 1 ppm* at series (typical)
Crystal Power:	1 nW to 1000 uW (1 MHz to 50 MHz) 1 nW to 500 uW (>50 MHz to 200 MHz)
Temperature Stability:	± 0.1° C

* Proprietary measurement and calibration algorithms provide correlation to industry standard crystal measurement equipment.

SAUNDERS & ASSOCIATES, LLC

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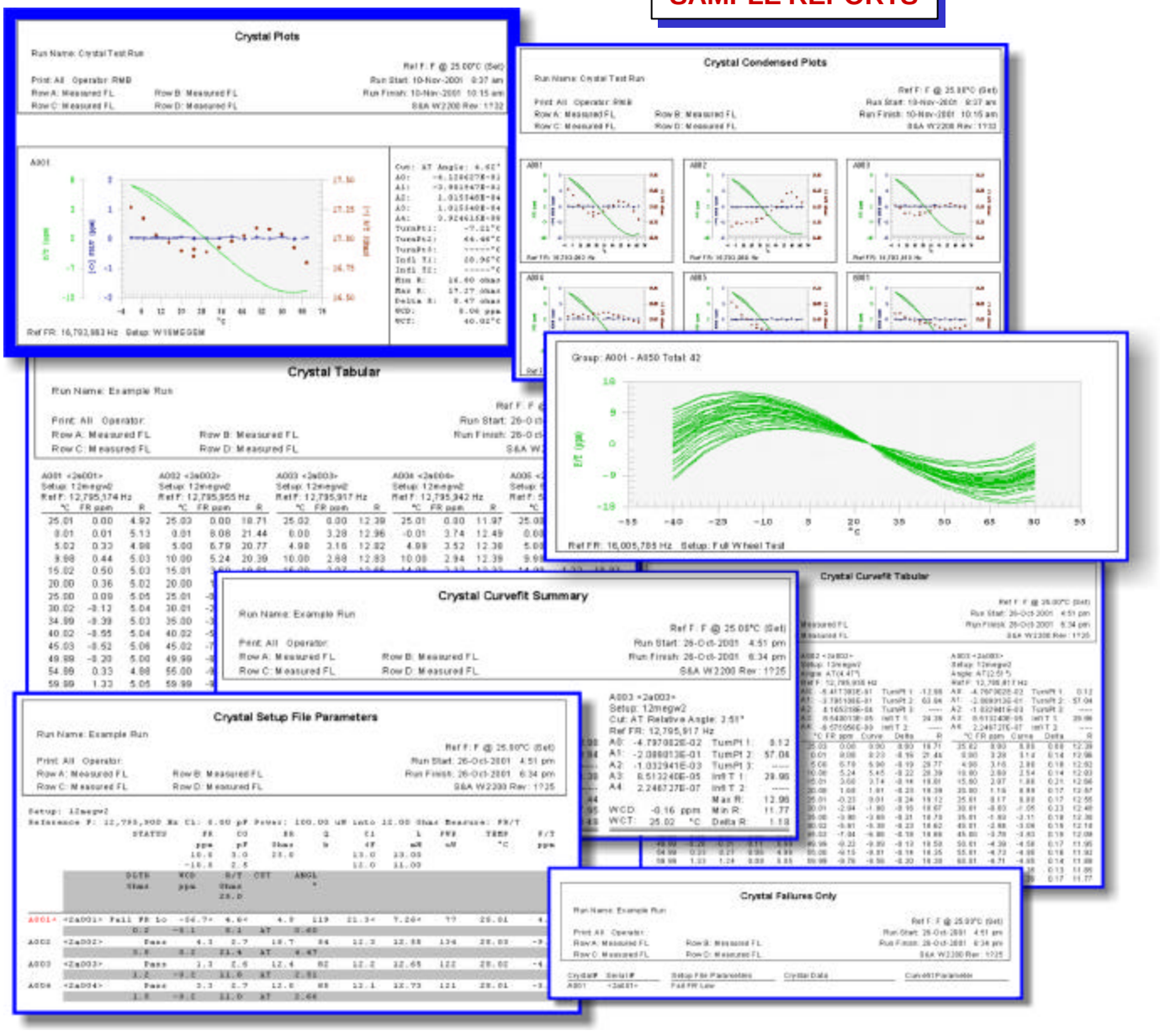
SYSTEM CONFIGURATION

- **S&A 250B-1 or 250C Network Analyzer**
- **S&A 2451 Switch Controller**
  (only required in dual chamber configuration)
- **S&A 4220 Temperature Test Chamber**
  (LCO_2, LN_2, or Mechanical Refrigeration Cooling)
- **IEC-444 Pi-Network Test Head**
- ***Windows*® based System Software**
- **Printer (Optional)**
- **Computer Requirements:**
  Minimum 500 MHz Pentium III
  One full PCI slot with +3.3V & 5V power,
  Windows 98 ®

SAMPLE REPORTS



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