

NEW PRODUCT NEWS

✕ Nicolet's Smart Accessory™ Family Continues to Evolve

Nicolet Instrument Corporation continues to develop an industry standard for infrared sample handling through their collaboration with the industry's leading accessory manufacturing companies – Spectra-Tech Inc., ASI SensIR Technologies, PIKE Technologies and Craseby Specac.

Nicolet's Smart Accessory Standard is exceptional because it offers significant advances in speed, ease and data quality over traditional accessories. Smart Accessories are completely integrated with the FT-IR spectrometer, which makes them easier to use and gives them better performance. In addition, Smart Accessories run performance checks and set up the experiment automatically. Smart Accessories carry an extra level of confidence with their multimedia tutorials and real-time quality checks of data to verify that the accessory and system are working optimally.

Nicolet offers a total of 14 Smart Accessories for almost any sampling need including:

- Transmission
- Diffuse Reflectance
- Single Bounce ATR
- Multiple Bounce ATR
- Mid-IR Fiber Optics
- Near-IR Fiber Optics
- Corrosive Resistant HATR
- Research-Grade HATR
- Research-Grade Diffuse Reflectance
- Near-IR Diffuse Reflectance

Nicolet Instrument Company: (608)276-6100, <http://www.nicolet.com/>

Circle Reader Inquiry #40

✕ Burleigh Instruments Introduces Horizon™ Non-Contact Optical Profiler for Affordable Non-Destructive Surface Imaging.

Burleigh Instruments recently announced the availability of its latest surface imaging product; the Horizon Non-Contact Optical Profiler. This affordable, easy-to-use product significantly broadens Burleigh's existing line of surface imaging instruments which it has provided the scientific community since 1991.

The Horizon Non-Contact Optical Profiler gives users the ability to non-destructively image both smooth and rough surfaces with an X,Y scan range up to 1.75 mm and a Z range up to 100 microns. Yet, it provides vertical resolution on the Angstrom scale. It quickly takes surface roughness measurements where the required scan sizes are beyond the capability of an ordinary Scanning Probe Microscope (SPM) and at finer resolutions than are available from stylus profilers.

Burleigh Instruments: (716)924-9355, <http://www.burleigh.com>

Circle Reader Inquiry #41

✕ EDAX Launches Two New Versions Of The Eagle II μ -Probe Micro-XRF Elemental Analyzer

The Eagle II μ -Probe™ is a table-top XRF elemental analyzer which utilizes sophisticated capillary optics to concentrate the x-ray beam size down to a 100 μ m diameter on the sample. Coupling this technology with a large sample chamber, the Eagle II μ -Probe provides non-destructive simultaneous multiple element analysis in air or vacuum with a sensitivity range from PPM to 100% concentrations, with no or minimal sample preparation required.

The high-performance Eagle II XPL uses innovative poly-capillary x-ray optics to generate an ultra-high intensity x-ray beam down to ~ 40 μ m diameter on the sample. The spot size can be varied up to >100 μ m diameter on the sample.

Edax, Inc.: (201)529-4880, <http://www.EDAX.com>

Circle Reader Inquiry #42

✕ Omicron Associates Announces SCALA PRO, Scanning Probe Microscopy Software

SCALA PRO allows simultaneous data evaluation and image processing independent from the SPM control hardware on any PC (Windows95/NT™).

Based on the powerful IDL graphics language, a wide range of dedicated processing routines is provided. Notable features include elaborate background correction, distortion correction, data editing, roughness analysis, filtering and image enhancement.

Image arithmetic's enables a direct correlation of two images via mathematical operations. Various display options are available including line/row/column profiles, power spectrum, histogram and 3D displays.

Omicron Associates: (412)831-2262

Circle Reader Inquiry #43

EMPLOYMENT OPPORTUNITIES

- ➔ **Post Doc Positions:** High resolution *in situ* microscopy. Corrosion, advanced battery, electrochemistry, polymer, materials science, biology-SPM. Several locations: U.S., Japan, Europe.
<http://www.molec.com/jobs/postdoc.html>

USED EQUIPMENT FOR SALE

📞 **JEOL 1200EX and 2000FX TEMs, and an ISI DS130, refurbished,** and with service contracts. For details, call Mark Rigler at (800)421-8451 or email at mrigler@mastest.com.

📞 **MILITARY RESEARCH LAB IS CLOSING** Military contractor is selling at drastically reduced prices its Reichart Polycut S motorized sliding microtome, refrigerated and rotary microtomes, Sorvall ultramicrotome, LKB knife cutter, Gatan Model 600 dual ion mill, stereo microscopes, Perkin Elmer microdensitomer, Joyce Loebel microdensitometer and LECO sulfur analyzer. For specification sheets, call: (202)544-0836.

📞 **Bio-Rad MRC600 Laser Scanning Confocal Microscope Unit.** System includes a krypton/argon mixed gas laser, scan head with associated PC and 2 monitors. This system was formerly attached to a Zeiss IM-35M light microscope. The instrument is in excellent working order and has been kept on comprehensive service contracts since originally installed in 1991 until disconnected from the Zeiss. Suitable for attaching to quality inverted or upright microscope. Please direct all offers to Malcolm Wood, Box MB-32, The Scripps Research Institute, 10550 N. Torrey Pines Rd., La Jolla, CA 92037

📞 **Electron Microscopes and Accessories for Sale:** Philips CM12 TEM with EDAX detector/PV9800 analyzer and Haskris chiller in excellent working condition (9 yrs/\$55K), All parts for Philips EM400 TEM. GATAN 600 dual ion miller with LN2 stage (8 yrs/\$10K), VCR D500i dimpler (8 yrs/\$2K), Olympus optical microscope with Polaroid camera (\$3K), Haskris chiller (10 yrs/\$1K), Haskris chiller (5 yrs/\$3K), EDAX ECON (windowless) detector with PV9800 analyzer (15 yrs/\$2K), Sorvall ultramicrotome with diamond knives – 1 brand new and 2 used (\$4K), All instruments (except EM400) are in excellent working condition. Inquiries: (203)389-6065 or email: ayerr@aol.com