

## NEW PRODUCT NEWS

## Oxford Instruments Launches The Link ISIS Series 300 Microanalysis System

Oxford Instruments, Inc., Microanalysis Group introduces the Link ISIS Series 300 microanalysis system, a state of the art Energy Dispersive X-ray system (EDX). The Link ISIS Series 300 system, combined with new hardware and software, provides the most technologically advanced EDX system today!

New hardware includes the DXP50 digital processor, which guarantees the fastest, most accurate results currently obtainable. Sustained rates of 50,000 cps are easily achieved, leading to quantitative analysis within a 1% relative error or clear multi-element maps obtained in just 5 seconds. With the DX50, even at 10,000 cps, resolution using a GEM detector is typically 120 eV.

The "Point and Quant" software feature allows a user to simply point and click on any feature on an image to automatically identify the elements present and display the fully corrected quantitative results. Analysis is updated, in real time.

For higher count rate, faster analysis and lower dead time for a given resolution, and better peak stability at higher rates and low energies, the Link ISIS Series 300 Microanalysis System is the answer.

For further information, please contact Oxford Instruments, Inc., Microanalysis Group, Sales Dept.: Tel: (508)369-9933, Fax: (508)369-8287, email: [il@oxford.usa.com](mailto:il@oxford.usa.com). **Circle Reader Inquiry #30.**

## NEW FROM MOXTEK

MOXTEK, Inc. is pleased to introduce SEM magnification reference gratings and grids which set new standards for submicron accuracy. MXS "CE" Series Reference Standards will allow a researcher to perform periodic calibration and performance checks of the microscope, quickly and accurately determine dimensions from 0.3  $\mu\text{m}$  to 30  $\mu\text{m}$  all with one calibration sample; and analyze the images for pincushion distortion, small-scale vibration, or small magnetic field distortion.

These new reference standards provide a calibration dimension of either 300 nm or 700 nm nominal length. The larger dimensions provide accurate, multiple period measurement from about 5000X to over 45,000X while the smaller dimension is useful from about 10,000X to over 100,000X. Throughout this magnification range, these standards provide excellent image contrast, an enormous useful calibration area, and 3  $\sigma$  accuracy of at worst 3%, with typical values around 1%.

Exceptional accuracy, repeatability, and uniformity are assured since each individual standard is an original or master produced directly from a holographic interference pattern. This unique fabrication method provides a much higher quality reference standard with significantly better imaging characteristics that can be obtained from grating replicas. These standards are remarkably durable under typical operating conditions.

For more information, contact: Electron Microscopy Sciences, Polysciences, SPI Supplies, Ted Pella, Inc., or MOXTEK at (801)225-0930, Fax: (801)221-1121. **Circle Reader Inquiry #31**

## FEI Company Announces the Acceptance and Availability of its LaB6 MVM Cathodes from JEOL, USA.

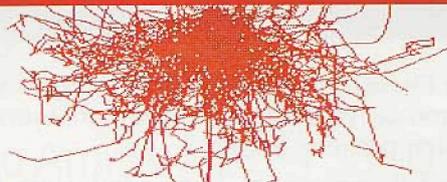
FEI Company has announced that JEOL, Ltd. in Japan has evaluated FEI's LaB<sub>6</sub> Mini Vogel Mount (MVM) replacement cathodes and is now offering them as a quality consumable replacement part for the JEOL scanning electron and transmission electron microscopes. JEOL Datum, a division of JEOL, Ltd., will stock the LaB<sub>6</sub> MVM cathodes for its customers. The cathodes also will still be available directly from FEI Company in Hillsboro, OR. FEI Company: Tel.: (503)640-7500, Fax: (503)640-7509. **Circle Reader Inquiry #32.**

## Media Cybernetics Announces the Release of Image-Pro Plus™ for Windows 95

Media Cybernetics announces the availability of Image-Pro Plus, Version 2.0 designed for Windows 95. Utilizing 32-bit technology, Image-Pro Plus provides fast and accurate image processing and analysis solutions to researchers and scientists on more powerful operating systems such as Win 95 and Win/NT.

Image-Pro Plus, Version 2.0 provides users with easier software installation, improved and easier to use Draw, Text, and Fill tools, a new image database for image storage, and a highly interactive screen painting which allows for visual adjustments in Brightness, Contrast, Gamma, and Pseudo color. Media Cybernetics: (301)495-3305, Fax: (301)495-5464. **Circle Reader Inquiry #33**

## Electron Flight Simulator 2.0



Electron Flight Simulator, software for Windows, lets you model your sample and electron microscope conditions so you can see where your x-ray signal is coming from. Have more confidence in your analysis with less guesswork. X-ray analysis will never be the same.

- Model a Bulk, Thin Film, or Film on a Substrate
- Model up to Five Layers, Alone or on a Substrate
- Model any Sample Chemistry at any Accelerating Voltage
- Model Particles on a Sample or Inclusions in a Sample
- Model Vertical Interfaces Between Layers
- Model any Sample Tilt from 0 to 90 Degrees
- Display PhiRhoZ Depth of X-ray Generation Plots
- Display X-ray and Electron Interaction Volumes
- Display Electrons by Color Change at Each 10% Energy Loss
- Print Your Models or Save Them as Image Files
- On-Line Help Menus
- On-Line Periodic Table and Chemistry Calculator™
- Unlimited Free Technical Support
- The Perfect Teaching and Training Tool

## Small World

P.O. Box 25284 San Mateo, CA 94402  
Phone/Fax (415) 345-8013  
e-mail: [DCHERNOFF@AOL.COM](mailto:DCHERNOFF@AOL.COM)

## USED EQUIPMENT FOR SALE

☎ **NIKON - LEITZ - TIYODA MICROSCOPES.** Large selection of microscopes for student routine, research for biological and industrial applications. Parts & accessories available. (415)431-8231.

☎ **T.E.M. H-UIIC Transmission Electron Microscope**, 12 years old, fully complete system in excellent shape. \$19,000.00 or best offer. Contact Matt McDermott: (810)489-0274.

☎ **TOPCON (ISI) DS-130 SEM Dualscan** in mint condition. Slow scan camera upgrade, 1 year manufacturer service contract and manufacturer will install. \$55,500 or best offer. **Anxious!** For more info call Dan O'Hara at (315)492-6696 or Fax (315)498-5448

☎ **Hitachi HS-8F TEM**, 50 kV, working prior to storage. No reasonable offer refused. Also **AO 820 microtome**, good condition, complete. \$750 OBO. A. Zamore, Zylon Corp.: (914)425-9469.

☎ **MILITARY RESEARCH LAB IS CLOSING** - Military contractor is selling at drastically reduced prices its Sorvall ultramicrotome, refrigerated and benchtop microtomes, sliding microtome, Tissue Tech embedding center, stereo microscopes, Joyce Loebel microdensitometer and LECO sulfur analyzer. For specification sheets call: (202)544-0836.

☎ **Philips CM12 TEM** with integral microprocessor control and readout  $\pm 60^\circ$  eucentric goniometer stage with twin objective lens. Includes operating software and EDAX qualitative EDS system. Purchase date 1988 with little use. Like new. Has been under Philips service. To make offer, call: (800)464-7676 and ask for Jay.

☎ **HITACHI HU 11B** - still under vacuum, in OK working order and with lots of spare parts. Any offer will be considered. Contact Dr. M. Gillott, University of Wisconsin - Milwaukee at email: [magem@alpha2.uwm.edu](mailto:magem@alpha2.uwm.edu)

☎ **LEITZ MICROSCOPES AND MICROTOMES** - Former Leitz dealer has a good selection of bio scopes for routine and research. DIALUX, ORTHOLUX, ORTHOPLAN, 1512. FAX us for complete listing of instruments as well as REPAIR PARTS FOR LEITZ. **Scopes or parts?** (301)762-8453 (Maryland).