

## NEW AND/OR INTERESTING IN MICROSCOPY

★ **BAL-TEC PRODUCTS, INC.** (800)875-3713: Offering a complete line of equipment from single sputter coaters and plunge freezers to ion-beam deposition and high pressure freezing. Call today for free literature.

★ **DAPPLE SYSTEMS** (408)733-3283: **X-Mate** is a versatile, intelligent controller designed to interface analytical instrumentation with a host computer. It executes user-defined, programmed acquisition and requires no interaction with the host once the commands are met.

★ **DELAWARE DIAMOND KNIVES, INC.** (800) 222-5143: The **PS1000** makes quality metal mirror cryofixation more convenient. Proven technology made portable and affordable. Visit Booth 307 for demonstration.

★ **E.A. FISCHIONE INSTRUMENTS, INC.**, Tel: (412)325-5444, Fax: (412)325-5443: New additions to the line of TEM Specimen Preparation instrumentation are the **Model 3000 ION MILL** and the **Model 330 ULTRASONIC DISK CUTTER**. These devices will be featured in EMSA Booths 303 and 305.

★ **E. FJELD CO., INC.** (508)667-1416: Introduces a six axis high resolution SEM specimen stage. The stage incorporates two perpendicular tilt axes for increased sample orientation flexibility. In addition, a new Airlock Transfer Station, a 100nm Z stage and a digital imaging system will be displayed.

★ **HNU SYSTEMS** (617)964-6690:

### UPGRADE YOUR SEM

*Maximize Your Capabilities  
Minimize Capital Expenditures*

**HNU X-Ray** has a two-stage upgrade that will bring your old scanning electron microscope back from obsolescence to state of the art for thousands of dollars less than any other system.

**DIGITIZE.** The **DRV 2000** image acquisition system will simultaneously capture up to six high-resolution images from any SEM, STEM, EDS, or WDS system.

**ANALYZE.** The **System 5000** PC-based energy dispersive spectrometer and microanalysis system collects x-ray event data; software provides for qualitative and quantitative analysis.

**COMBINE.** Both systems may be combined for an inexpensive PC-based image acquisition and microanalysis system. Fast x-ray mapping in minutes instead of hours.

See the **System 5000**, **DRV-2000**, and other fine products from **HNU X-Ray** at EMSA, booth #1108, Hynes Convention Center, Boston, MA, August 17-20, 1992.

★ **JONES AND BARTLETT PUBLISHERS** (800)832-0034: The first complete text in the microscopy field, **ELECTRON MICROSCOPY: Principles and Techniques for Biologists**, by John J. Bozzola and Lonnie D. Russell (ISBN: 0-86720-126-6, \$52.50) stands alone in its purpose of teaching beginning students biological transmission and scanning electron microscopy.

★ **KAISER OPTICAL SYSTEMS, INC.** (313)665-8083: State-of-the-art holographic optical components including **Holographic Notch** and **SuperNotch™ Filters** and **Holographic Beamsplitters** in the 350 nm to 1064 nm wavelength range for Laser applications including Raman Spectroscopy, Fluorescence and Confocal Microscopy.

★ **LADD RESEARCH, INC.** (800)451-3406 since 1955, has supplied electron microscope laboratory supplies throughout the world. Call today for a free catalog.

★ **LASERTECHNICS** (505)822-1123: Featuring at EMSA, the **DIR Gray Scale Printer** for high resolution continuous tone printout from a Sun SPARCstation running Media Cybernetics Image - Pro Plus. This image analysis system concept will demonstrate how you can capture and enhance electron microscopy images, take precise measurements, count and size, analyze the image data and finally print out an 8 1/2" x 11" image that costs considerably less than conventional methods.

★ **LEYBOLD VACUUM PRODUCTS, INC.** (800)433-4021: The **NEW TURBOVAC** Maintenance Free Family of grease lubricated silicon nitride ceramic ball bearing **Turbomolecular Pumps** are available in five models, **TMP50/151/361/600** and **1000** with ISO-K, CF and ASA flanges. Engineered for high reliability in R&D and instrumentation applications, they are designed for maintenance free service and can be operated in any orientation. The drive shaft, bearings and rotor are dynamically balanced for silent operation and minimal vibration. Ultra high ultimate pressures,  $8 \times 10^{-9}$  to  $<10^{-10}$

★ **MICRO ENGINEERING INC.** (800)533-2509: **SAPPHIRE blades** for Vibratomes. Manufactured to extremely high sharpness and perfection - which produce much better quality sections. Standard 38mm edge: \$290. Resharpenable. Test before paying. See at Ted Pella's booths #406-410.

★ **MICROSCOPY/MARKETING & EDUCATION** (413)746-6931, a consortium of microscopy and training experts, specializes in on-site training and applications development using *your* people and *your* equipment to solve *your* problems.

★ **OXFORD INSTRUMENTS, Analytical Systems Division** U.S.: (615)482-4041, Canada: (416)568-9188, UK: (0494)442255: Announcing the completely new **LINK ISIS EDS SYSTEM**. Within a Microsoft Windows environment, the new system allows more accurate analysis, faster, than ever before. The system includes **LAB-BOOK**, the first dedicated database designed for microanalysis. With acquisition rates in excess of 30,000 cps, X-ray maps can be set-up, acquired and incorporated into a report in just a few minutes.

★ **RAITH U.S.A., INC.** (516)293-0870: **X,Y Positioning Calibration Standard**:  
- For analytical & inspection instruments and SEMs.  
- Absolute positioning accuracy of +/- 200nm.  
- 4" silicon wafer provides 200 mark positions.  
- Available with or without measuring protocol.

**Ted Pella, Inc.** (800) 237-3526

### Dry Silver Processor

For high quality working prints and transparencies, in about 30 seconds. Uses standard darkroom enlargers and safelights to expose negative on Dry Silver Paper. No chemicals or water are required. Uses a heat process, producing prints of archival quality.

### Film & Print Processor

Just right for EM labs. Produces 200 Kodak 4498 EM films or 90, 8 x 10 RC paper prints per hour. The compact Pro 8 Processor requires only 2.6 sq. ft. of bench space and yet totally automatic, dry to dry prints in 2 min. **Brochures Available**

★ **XEI SCIENTIFIC** (415)369-0133: Oil contamination and oil drip from EDS detectors stop being a problem when a low cost **SEM-CLEAN** system is installed on your SEM. The dark contamination spots disappear and the window clean-up problems simply go away!