

## ProductNews

### Jenoptik Presents New ProgRes® SpeedXT<sup>core</sup> Microscope Cameras



The Jenoptik Optical Systems Division announces two USB camera types to its ProgRes® CCD microscope camera range: ProgRes® SpeedXT<sup>core</sup> 3 and ProgRes® SpeedXT<sup>core</sup> 5. The impressive live image speed of 17 fps (SpeedXT 3) and 13 fps (SpeedXT 5) at a resolution of 2080 × 1542 pixels (SpeedXT 3) and 2580 × 1944 pixels (SpeedXT 5) is the decisive advantage of the ProgRes® SpeedXT 3 and 5 cameras.

JENOPTIK Laser, Optik, Systeme GmbH  
www.jenoptik.com/os

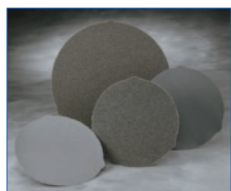
### Bruker Nano Introduces the New N8 NEOS for Optically Navigated Atomic Force Microscopy



Bruker Nano introduces the new N8 NEOS™, the first atomic force microscope that is designed and operated like an optical microscope capable of atomic resolution. The new N8 NEOS offers the familiar handling of most research optical microscopes. The sample investigation starts at lower and then higher magnifications to determine the regions of interest. Finally, for highest, atomic resolution Bruker's compact, interferometry-based AFM module NANOS™ is used.

Bruker Nano  
www.bruker-nano.com

### New SiC Abrasive Papers Increase Removal Rate by Up to 20 Percent



Buehler's new CarbiMet® 2 silicon carbide (SiC) abrasive papers increase material removal rates up to 20 percent and up to 10 percent compared to original CarbiMet and competitive grinding papers, respectively. Increased material removal rates reduce total procedure time. On average, CarbiMet 2 removes 75 percent of all material within the first 60 seconds of use. CarbiMet 2 exhibits minimal material deformation and provides a consistent scratch pattern.

Buehler, Inc  
www.buehler.com

### FEI Announces New Flagship Helios NanoLab x50 DualBeam Series



FEI Company introduced the new Helios NanoLab™ x50 DualBeam™ Series. It integrates FEI's extreme high-resolution scanning electron microscope (XHR SEM) with the new high-performance Tomahawk FIB, originally introduced in the V400ACE™. With FEI's latest fast-switching technology, it provides SEM and FIB live monitoring of milling operations, a smaller FIB spot, and higher beam currents for faster material removal.

Overall throughput of advanced TEM lamella preparation has been improved by 40 percent.

FEI Company  
www.fei.com

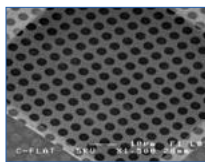
### Mini Centrifuge from Hoefler



Hoefler, Inc. has introduced a new Mini Centrifuge. The unit is compact, easy-to-use and designed to meet the wide range of applications found in research. The Hoefler Mini Centrifuge comes complete with two rotors—a 6-place rotor for 1.5-mL tubes and a PCR Strip rotor. Adapters are included to allow the 6-place rotor to also accommodate 0.5- or 0.4-mL tubes. The small footprint requires less than six inches of bench space.

Hoefler, Inc.  
www.hoeflerinc.com

### C-flat™ Holey Carbon-Coated Support Grids



C-flat™ is an ultra-flat, holey carbon-coated support grid for transmission electron microscopy (TEM). C-flat is manufactured without plastics, so it is clean and free of residues. Made with patent-pending technology, C-flat provides an ultra flat surface that results in better particle dispersion and more uniform ice thickness. C-flat is immediately available on 200, 300, and 400 mesh copper grids, in quantities of 25, 50, and 100. Other metals and specialty grids are available on request.

Electron Microscopy Sciences  
www.emsdiasum.com/microscopy/

### Microdisplay Colorimetry and Intensity Comparison with the New 20/20 FPD™ from CRAIC Technologies



CRAIC Technologies announces the 20/20 FPD™ microspectrophotometer. The 20/20 FPD is designed for colorimetry and light intensity comparison of microdisplays of all types. Able to measure the spectra on the micron scale, the 20/20 FPD can even map the color and intensity variations within a single pixel. This provides manufacturers with an unparalleled capability to optimize and improve their microdisplay manufacturing processes.

Craic Technologies  
www.microspectra.com

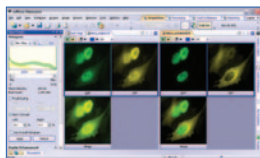
### The Axio Lab.A1 from Carl Zeiss Sets New Standards in Materials Microscopy



Carl Zeiss introduces the Axio Lab.A1 microscope for reflected-light examinations in the materials sciences. Its particularly intuitive operation makes this upright microscope suitable for routine lab applications in metallography, quality control, and inspection tasks in production lines. This permits microscopic examinations of metallographic specimens and samples made of polymers or other materials. The Axio Lab.A1's ergonomic compact design and intuitive operation are special benefits for training and education.

Carl Zeiss MicroImaging, Inc.  
www.zeiss.com/micro

### Olympus cellSens™ Microscope Imaging Software



Olympus has introduced cellSens™ microscope imaging software, a solution that allows researchers to move smoothly and quickly from initial image capture through processing, analysis, and reporting in just a few simple steps.

Even such advanced functions as deconvolution, cell counting, large-area stitching, fluorescence unmixing, and data sharing are fast and intuitive. Developed by Olympus engineers, cellSens integrates advanced capabilities with intuitive operation, enabling researchers to maximize their results using world-renowned Olympus hardware and optics.

Olympus America Scientific Equipment Group  
[www.olympusamerica.com/cellSens](http://www.olympusamerica.com/cellSens)

### Leica Microsystems Introduces the \$99,000 Personal Confocal



Leica Microsystems' True Confocal / True Value Program is designed for researchers seeking higher resolution images while working within a tight budget. Leica Microsystems' package includes the Leica TCS SPE II Spectral

Confocal with a fully configured upright microscope, objective lens set, 3 laser lines, and high-performance computer. The package is available for less than \$100,000, which represents a complete, high-quality confocal solution at a very attractive price.

Leica Microsystems  
[www.leica-microsystems.com](http://www.leica-microsystems.com)

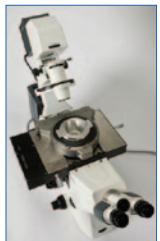
### CRAIC Technologies Introduces the 20/20™ UV-visible-NIR Microspectrophotometer: Perfect Vision for Science™



As the new flagship product for CRAIC Technologies, the 20/20™ microspectrophotometer is designed to non-destructively analyze many types of microscopic samples from the deep ultraviolet to the near infrared. Analysis of samples can be done by absorbance, reflectance, luminescence, and fluorescence with unparalleled speed and accuracy. The system can also be configured to image microscopic samples in the UV and NIR regions.

CRAIC Technologies, Inc.  
[www.microspectra.com](http://www.microspectra.com)

### Agilent Technologies New AFM for Life Science



The 6000ILM AFM from Agilent Technologies seamlessly integrates the capabilities of an atomic force microscope with those of an inverted light microscope (ILM) or a confocal microscope, letting life science researchers go beyond the optical diffraction limit to achieve nanoscale resolution using standard sample preparation techniques. The easy-to-use Agilent 6000ILM is ideal for studying cell membranes, the surface structure of cells,

single DNA/RNA strands, individual proteins, single molecules, and biopolymers.

Agilent Technologies  
[www.agilent.com](http://www.agilent.com)

### New Complete Quad-band Fluorescence Filter Set from Semrock



Semrock announces the first complete quad-band fluorescence filter set for simultaneous four-color imaging. The new DA/FI/TR/Cy5-A quad-band set is comprised of three high-performance, hard-coated optical filters: excitation and emission

filters each with four high-transmission passbands and excellent out-of-band blocking and a perfectly matching beamsplitter with four precision edges. The particularly unique FF01-387/485/559/649-25 quad-band exciter includes a high-transmission passband at ultraviolet (UV) wavelengths in addition to three longer-wavelength precision passbands.

Semrock, Inc.  
[www.semrock.com](http://www.semrock.com)

### WITec Introduces Line Extension of its Microscope Series



WITec introduces a line extension of the *alpha300* microscope series. WITec has added several new microscope versions in order to meet all the diverse and multi-faceted customer requirements one may encounter. In the field of Raman microscopy, the new baseline is the micro Raman system *alpha300 M* for single-point spectrum acquisitions and depth profiling. The *alpha300*

*M+* is additionally equipped with a stepper motor and allows Raman mapping experiments and large area investigations.

WITec Instruments Corp.  
[www.witec.de](http://www.witec.de)

### Image-Pro® Plus Now Supports Prior Scientific Automated Slide Loading System



The PL-200 automated slide loading system is now fully controllable using Image-Pro 7.0.1, making it possible to truly automate the digital imaging of microscopic specimens using precision scanning stages and automated loading and unloading of samples. The new hardware compatibility included with all "Plus" versions of Image-Pro 7.0.1, using Scope-Pro, make it possible to automate simple and advanced routines, either manually or using Image-Pro's exceptional scripting language.

MediaCybernetics  
<http://support.mediacy.com/scopedrivers.asp>

### JAI's Innovative 2-CCD Multi-spectral Camera Now Available with GigE Vision Interface



JAI announced the release of the AD-080GE with GigE Vision interface. The AD-080GE is an innovative yet very competitively priced 2-CCD camera capable of simultaneously imaging visible and near-infrared light spectrums through a single lens. Multi-spectral

imaging provides important benefits in many machine vision applications, but traditional two-camera solutions have remained costly and difficult to deploy. These obstacles have been rolled aside with the launch of the AD-080GE single-lens 2-CCD camera.

JAI Inc., USA  
[www.jai.com](http://www.jai.com)