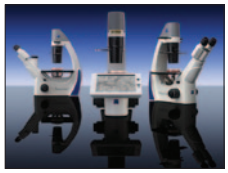
ProductNews

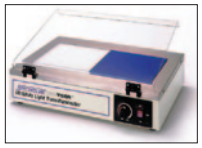
Carl Zeiss Introduces the Primo Vert Monitor Microscope



Carl Zeiss introduces a new generation of ergonomic and compact tissue culture microscopes with its Primo Vert Monitor. The microscope makes the quick check of living cells faster and easier than ever before, replacing traditional eyepieces with an integrated digital camera and LCD display.

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

"Two-in-One" Transilluminator



The advanced Spectroline® Bi-O-Vision™ Series transilluminators feature two workstations, producing both 312-nm ultraviolet and white light. The TD-1000R model offers *fixed-intensity*, whereas the TVD-1000R model offers *variable-intensity* control of either UV or white light. These units are continuously adjustable from 100% down to 50% intensity. This enables life science researchers to select the *exact* ultraviolet or white light illumination needed to photodocument samples with a single piece of equipment.

Spectronics Corporation
www.spectroline.com

WITec Introduces "True Surface Microscopy"

WITec, worldwide leader in nano-analytical microscopy systems, has launched the new True Surface Microscopy option. The core element of this revolutionary imaging mode is an integrated sensor for optical profilometry. Large-area topographic coordinates from the profilometer measurement can be precisely correlated with the large-area confocal Raman imaging data. For the first time, this allows confocal Raman imaging along heavily inclined or very rough samples with the true surface held in constant focus while maintaining the highest confocality.

WITec GmbH
www.WITec.de

FEI Announces Magellan Extreme Resolution SEM for Life Sciences

The Magellan™ extreme-resolution scanning electron microscope (SEM) is optimized specifically for life science imaging. The first of its kind, the Magellan SEM enables life science researchers and cell biologists to actually view the entire organization of a cell in its natural, fully hydrated state. The Magellan's workflow solution, which includes cryogenic sample preparation and handling, is a repeatable, optimized process to provide the highest quality imaging and analysis results.

FEI Company
www.fei.com

Nikon Introduces the C2 Confocal Laser Point Scanning Microscope

The new functionality for the C2 Confocal Laser Microscope includes four-channel confocal fluorescence imaging—with vastly expanded spectral capabilities over the predecessor instrument, the C1 Confocal—and incorporates the newest release of NIS-Elements C software, Version 3.2. The new system can capture and unmix data acquired at any channel resolution across the entire detector bandwidth, and electronics improvements increase scanning accuracy and speed.

Nikon Instruments, Inc.
www.nikoninstruments.com

Applied Precision Unveils New Products in Its DeltaVision Microscopy Product

The products include new models and configuration options for the DeltaVision OMX® 3-D Super-Resolution microscopy system. The new OMX V4™ SI system is the fourth generation of super-resolution microscope utilizing proven 3-D structured illumination technology, providing an eight-fold improvement in volume resolution and outstanding widefield imaging capabilities, and the new OMX Blaze™ technology, which incorporates a proprietary, ultra-fast, structured illumination module and the latest high-speed camera technologies.

Applied Precision, Inc.
www.appliedprecision.com

Olympus BX63 Motorized Upright Advanced Microscope

The new microscope simplifies observation and imaging tasks and delivers outstanding performance, enabling researchers to focus on their science instead of the process of managing their equipment. Users can control all observation and image-capture functions with a quick slide of the finger on its ultra-easy, programmable touch-screen. Both the motorized and coded fluorescence illuminators feature the proprietary Olympus fly's-eye lens system, ensuring that the field of view is illuminated homogeneously.

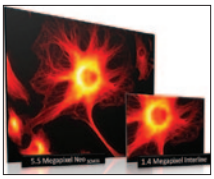
Olympus America Inc.
www.olympusamerica.com/BXresearch

Buehler's EcoMet 250/300 Pro Grinder-Polisher with AutoMet 250/300 Power Head

New capabilities include the ability to store and recall 32 specimen preparation protocols via touch-screen controls, a Zaxis (*Z*-axis) function that removes material by depth instead of time and platen, and power head speeds that adjust in 10-rpm increments. The EcoMet 250/300 Pro/AutoMet 250/300 semi-automatic system, with its programmable and adjustable functions, increases consistency and repeatability, ensures better flatness, and enables method optimization compared to manual grinding.

Buehler-Met AG
www.buehler.com

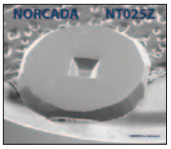
Andor Technology Launches Revolutionary Neo Camera with sCMOS Technology



Andor Technology plc announced the launch of the innovative and highly anticipated Neo camera platform, based on next-generation scientific CMOS (sCMOS) technology. The Neo sCMOS is the most significant camera launch in recent times, and it stands alone in its ability to simultaneously offer ultra-low noise, extremely fast frame rates, wide dynamic range, high resolution, and a large field of view, overcoming the performance trade-offs associated with traditional scientific CCD detectors.

Andor Technology plc
www.andor.com/scmos

Norcada 15-nm TEM Windows



Norcada Inc. is pleased to announce the availability of ultra-thin (15-nm) Transmission Electron Microscopy Silicon Nitride Windows to the TEM and STEM microscopy and microanalysis research community. The ultra-thin membrane will allow for better contrast imaging, while it is robust to hold samples of various materials and cell cultures. The new product also benefits from a new frame outer finish that is closer to a circular shape that will facilitate easier handling of the windows with tweezers.

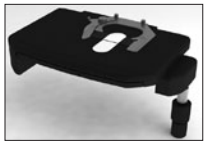
Norcada, Inc.
www.norcada.com

New Tunable Near-IR Bandpass Filter from Semrock

Semrock's VersaChrome® widely tunable thin-film optical filters now includes the TBP01-800/12, pushing tunable imaging into near-IR territory with a wavelength tuning range of over 100 nm. VersaChrome filters offer wavelength tunability over a very wide range of wavelengths (> 12% of the normal incidence wavelength) by adjusting the angle of incidence with essentially no change in spectral performance. The complete set of bandpass filters covers wavelengths from 390–800 nm.

Semrock, a Unit of IDEX Corporation
amacdonald@idexcorp.com

New Light Microscopy Stage with Embedded Controller



ResAlta Research Technologies introduces the new Märzhäuser EK 75 × 50 Pilot motorized light microscopy stage with embedded controller and a wear-free Cerasist® surface. This slim and ergonomic stage connects to the computer through a single USB cable (external power connector at USB connector). The stage is compatible with Märzhäuser TANGO controllers, has two speed ranges, and has an integrated measuring system. It is available for almost all current upright microscopes.

ResAlta Research Technologies
www.ResAltaTech.com

CRAIC Technologies Introduces the 308 PV™ UV-Visible-NIR Spectrophotometer for Your Microscope

Designed to be added to an open photoport of a microscope or probe station, the 308 PV™ microscope spectrophotometer will non-destructively analyze the spectra of many types of microscopic samples. Featuring CRAIC Technologies new Lightblades™ spectrophotometer technology, the 308 PV™ can acquire spectra of microscopic sample areas by absorbance, reflectance, luminescence, and fluorescence, in addition to high-resolution color images, when attached to properly configured microscopes.

CRAIC Technologies, Inc.
www.microspectra.com

TOPTICA Presents Powerful Multi-Laser Engine: iChrome MLE

The iChrome offers a complete OEM solution for demanding multi-color biophotonics applications. Select up to four different lasers covering wavelengths from 405 nm to 660 nm to match whatever application you are using. Choose from two system versions: the iChrome MLE-S, an all-diode laser system with up to four diode lasers, or the iChrome MLE-L, which includes up to three diode lasers and a Diode Pumped Solid-State (DPSS).

TOPTICA Photonics AG
www.toptica.com

New Product Line for the Semiconductor Industry: Leica DM8000 M and DM12000 M

The Leica DM8000 M is designed for 8-inch wafers, while the DM12000 M can handle 12-inch wafers. The integrated macro mode of the Leica DM8000 M and DM12000 M optical inspection microscopes provides up to four times the field of view of conventional scanning objectives. The entire scan area can therefore be accurately checked for possible defects. LED illumination is integrated in the stand of both instruments.

Leica Microsystems, Inc.
www.leica-microsystems.com

Carl Zeiss Introduces a Correlative Light and Electron Microscopy Solution

Carl Zeiss introduces a unique hardware/software interface to connect light and scanning electron microscopes for correlative microscopy in the life sciences. This "Shuttle & Find" interface for correlative light and electron microscopy enables users to recall regions of interest in an electron microscope that were previously identified in a light microscope and vice versa, allowing for precise overlay of light and electron microscope images and high-resolution magnification of details.

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