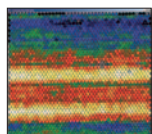


ProductNews

Quantitative HAADF (q-HAADF) for DigitalMicrograph



HREM Research Inc. introduced qHAADF (Quantitative HAADF) at the recent EMC2012 in Manchester, UK. qHAADF makes possible atomic column-to-column compositional analysis of materials from the analysis of High Angle Annular Dark Field (HAADF) Scanning Transmission Electron Microscopy (STEM) images using Gatan's DigitalMicrograph. qHAADF is based on the analysis of normalized integrated intensities by a method developed by Sergio I. Molina of University of Cadiz.

HREM Research Inc.
www.hremresearch.com

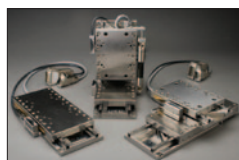
Andor Technology Offers Outstanding Image Quality and Versatility with the New Revolution WD



The new Revolution WD spinning disk confocal solution sets new standards in live cell confocal imaging. It offers spinning disk confocal to research fields, using different sample types, previously unable to obtain maximum benefit from this great live cell imaging technology. The addition of the WD to the Andor Revolution portfolio brings increased flexibility and breadth to Andor's solutions, and more choice than ever to researchers imaging live samples.

Andor Technology plc
www.andor.com/microscopy-systems/revolution

Ultra-Compact Mini-MAG Stages from Dover Now Available with Complete High-Performance Controls Package



Mini-MAG (MMG) precision linear positioning stages from Dover are available with a complete and optimized controls package. OEMs and end users can combine an MMG linear motor stage with a compact Dover board-level single-axis servo drive for easy integration into a control cabinet, or a Kollmorgen AKD™ servo drive, for single- or multi-axis applications with a graphical user interface for easy set-up and programming and real-time performance feedback.

Dover
www.dovermotion.com

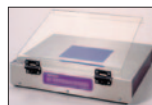
High-Sensitivity Olympus FV1200 Biological Laser Scanning Confocal Microscope System



Researchers who need more sensitive live cell imaging with high-speed measurement capability will benefit from the Olympus FluoView® FV1200 confocal laser scanning imaging system, designed specifically for optimal live cell and tissue imaging. With its ultra-high sensitivity and innovative fluorescence measurement, it requires less laser power, resulting in lower phototoxicity and photobleaching. The system capitalizes on the advantages of the company's recently introduced IX83® automated inverted microscope platform.

Olympus America Inc., Scientific Equipment Group
www.olympusamerica.com/FV1200

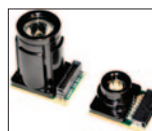
Ultra-Slim UV Transilluminator Conquers Space



Spectronics Corporation's Slimline™ Series UV transilluminator is a super space saver. It measures only 11½ × 14 × 2¼ inches, the size of the average laptop, yet it has virtually all the features of larger, more expensive transilluminators. The Slimline transilluminator delivers a typical peak 312 nm intensity of 9,000 µW/cm² at the filter surface. A unique diffusing screen ensures superior light distribution and eliminates confusing light striations caused by the contours of the tubes.

Spectronics Corporation
www.spectroline.com

High-Power LED Light Engines Include Excitation Filters for Fluorescence Applications



Innovations in Optics, Inc. offers ultra-high brightness LED Light Engines with integrated fluorescence excitation filters. LumiBright LE Light Engines use interference filters with hard dielectric coatings to meet the most demanding requirements involving fluorescence excitation in life science instrumentation and medical illumination. The ability to add excitation filters to each LumiBright LE Light Engine ensures the excitation energy spectrum is optimized for the intended application.

Innovations in Optics, Inc.
www.innovationsinoptics.com

New Scientific ICCD Camera Enables Frequency Domain Measurements



Princeton Instruments announced the launch of its PI-MAX4:1024i-RF intensified CCD camera for frequency domain scientific imaging and spectroscopy applications. As the most recent addition to the acclaimed PI-MAX® product line, this unique, fully integrated system uses a fiberoptically coupled ICCD camera and affords users comprehensive control of experiments via Princeton Instruments 64-bit LightField® software. The PI-MAX4:1024i-RF camera enables frequency domain measurements for fluorescence lifetime studies using minimal external equipment.

Princeton Instruments
www.princetoninstruments.com

Bruker Releases New Benchmark 3D Optical Microscope System



Bruker announced the launch of the ContourGT-I 3D Optical Microscope to enhance R&D productivity and maximize manufacturing throughput for industrial applications. It is the world's first bench-top profiling system to incorporate Bruker's proprietary tip/tilt head design, along with fully automated functionality, including turret, lenses, and illumination. In addition, the system has been designed from top to bottom for maximum vibration stability and robustness, including a space-efficient yet stable footprint with fully integrated air isolation.

Bruker Corporation
www.bruker.com

The Zoom Microscope Axio Zoom.V16 by Carl Zeiss Fast with High Resolution— for Large Object Fields



With Axio Zoom.V16, Carl Zeiss is defining a new instrument class in microscopy. These zoom microscopes are now combining typical benefits of stereomicroscopes, such as zoom optics and long working distances, with the higher resolutions of light microscopes. In comparable image fields, Axio Zoom.V16 offers a 2.5-times higher resolution than stereomicroscopes. With a 16× zoom range, Axio Zoom.V16 surpasses all comparable microscopes currently available.

Carl Zeiss Microscopy, LLC
www.zeiss.com/axiozoom-mat

New PI-MAX4—Scientific ICCD Cameras Offer Picosecond Gating Capabilities



Princeton Instruments announced the launch of its PI-MAX4 series of intensified CCD cameras for time-resolved scientific imaging and spectroscopy applications. The recent additions to the acclaimed PI-MAX[®] product line, these fiber-optically coupled ICCD cameras are capable of <500 psec gating and afford users comprehensive control of experiments via new Princeton Instruments 64-bit LightField[®] software. The new cameras are available in two different pixel formats, 1024 × 1024 and 1024 × 256.

Princeton Instruments
www.pimax4.com

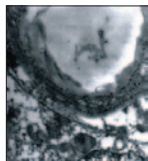
Visiline[®] SD Cameras Simplify Image Evaluation and Integration



The VisiLine[®] SD camera series includes CCD and CMOS models that acquire up to 160 fps with resolutions from VGA to 4 megapixels. CMOS models feature FPN correction and integrated HDR, which eliminate sensor-related banding and allow the camera to acquire images with major brightness variations within a scene. The cameras feature auto-exposure and auto-gain, which allow the cameras to adapt independently to fluctuating light conditions and deliver optimally exposed images that permit precise, stable evaluation.

The Baumer Group
www.baumer.com

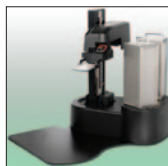
Electron Microscopy Sciences Offers Aurion ImmunoGold Reagents



Electron Microscopy Sciences announced the addition of Conventional ImmunoGold Reagents and Ultra Small ImmunoGold Reagents. Aurion Ultra Small Immunogold Reagents are prepared with subnanometer gold particles. These particles have far less influence on the adsorbed antibodies or detecting molecules, and consequently the conjugates behave as though they are uncoupled. In conjunction with the highly efficient and easy-to-use R-Gent SE-LM and SE-EM silver enhancement reagents, the Ultra Small Immunogold Reagents are the best choice for any application.

Electron Microscopy Sciences
www.emsdiasum.com/microscopy/products/immunogold/immunogold.aspx

Introducing the HLW20 Well Plate Loader System from Prior Scientific



Prior Scientific is pleased to introduce the latest in Prior's robotic sample loading systems, the HLW20 Well Plate Loader. Adaptable to most modern inverted microscopes, the simple, rugged and compact HLW20 provides three independently controlled and encoded axes for rotational, vertical, and horizontal movement. Combine the HLW20 with a Prior ProScan stage for your inverted microscope, and you have a system with a capacity of 20 well plates (two racks of 10 each).

Prior Scientific
www.prior.com

JAI Releases Monochrome Version of 1.3-Megapixel High Dynamic Range Camera



JAI rolled out the AD-132GE, a 2-CCD camera that uses prism technology to produce high dynamic range (HDR) color images. The company introduced the monochrome counterpart to that camera, the AD-131GE. Like its predecessor, the new AD-131GE intelligently combines different exposures from the camera's dual ICX447 CCDs in real time to generate high dynamic range (HDR) images with a total resolution of 1.3 megapixels. Output is via a standard GigE Vision digital interface.

JAI, Inc.
Jai.com/en/

New Cryo Preparation System from Quorum Technologies



The PP3010T is a state-of-the-art, highly automated cryo preparation system for SEM and FIB/SEM. Building on the success of the market leading PP3000T, the PP3010T combines the highest performance with unparalleled ease of use. The entire system is now gas-cooled (to -190°C or lower) and includes fully automatic, start up, gas control, sublimation, and sputter coating. The remotely positioned vacuum-isolated cooling typically gives runtimes of up to 24 hours between fills.

Quorum Technologies
www.quorumtech.com

Bruker Introduces New AFM Tools for Life Science Research—Nanomechanics Package Expands Applications in Mechanobiology



Bruker announced the release of its new Nano-mechanics package, which significantly expands Bio-AFM applications in mechanobiology research. The package includes new analysis models in PeakForce QNM[®], the new PeakForce Capture[™] function, and the newly enhanced Quantitative Force-Volume Mapping mode. The new functionality in PeakForce QNM provides expanded support for a lower modulus range covering live cells and tissues, making it the best mechanical property measurement tool for soft biological samples.

Bruker Corporation
www.bruker.com