

IndustryNews

Electron Microscopy Sciences Announces Exciting New Products Added in Catalog XVII

Electron Microscopy Sciences strives to find new products for the microscopy researcher as they come to market. Catalog XVII offers many of the latest finds including: NIGHTSEA™ Fluorescence Viewing Systems, DataColor CHROMACAL Image Calibration System, LatticeAx™ Cleaving Systems, C-flat™ Holey Carbon Grids in new gold and thick versions, Slide Warmers, PP3010T Cryo Preparation Systems, Graphene, EMS Freeze Substitution Kit, and the Lynx II Tissue Processor.

Electron Microscopy Sciences
www.emsdiasum.com/Requests/Catalog

Andor Technology Launches GPU Express – Optimized Solution for Real-Time GPU Data Processing

Andor announced the launch of GPU Express, which offers accessible and optimized data management for real-time GPU processing. The Andor GPU Express library has been created to simplify and optimize data transfers from camera (or multiple cameras) to a CUDA-enabled NVIDIA graphical processing unit (GPU) card, to facilitate accelerated GPU processing. GPU Express integrates easily into SDK3 for Andor sCMOS cameras, providing a powerful solution for management of high-bandwidth dataflow challenges.

Andor Technology plc
www.andor.com/gpu-express

Andor and Bitplane Announce the Launch of the 2015 Insight Awards

Andor and Bitplane announced the launch of the 2015 Insight Awards. This worldwide scientific imaging competition rewards visually stunning and scientifically captivating images, spectra, graphics, and movies. The Insight Awards are open to entries produced with either Andor or Apogee equipment or Bitplane software regardless of the technique or application. Researchers can submit their entry into one of three categories: Life Sciences, Physical Sciences, or Imaris.

Andor Technology Ltd (Andor) and Bitplane, Oxford Instruments companies
www.theinsightawards.com

Imaris 8.1 Launch –Leading Image Visualization and Analysis Software

Bitplane has launched the latest edition of Imaris, version 8.1. Imaris 8.1 builds on the powerful and versatile infrastructure introduced with Imaris 8.0. The new version offers a range of useful solutions for microscopy core facilities and sites where researchers need to work on their data using different computers.

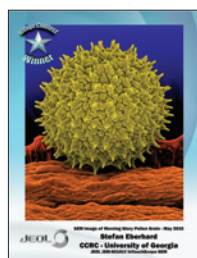
Bitplane, an Oxford Instruments Company
www.bitplane.com/imaris8

Specialist Catalog for Microscopy Illumination

Prior Scientific published a 12-page catalog that brings together its range of high performance LED and metal halide light sources proven to provide excellent illumination for your microscopy work. Regardless of microscopy technique, high-quality imaging requires high-performance illumination in order to obtain the best possible results. Prior Scientific has designed a range of precisely engineered, reliable, and long-lasting light sources tailored to the exacting requirements of scientists across a broad range of disciplines.

Prior Scientific Instruments Ltd.
www.prior-scientific.co.uk

JEOL Names Image Contest Winners



Pollen season 2015 produced micrographs that recently won the monthly JEOL Electron Microscope Contest. April's winning image of hibiscus pollen grains was submitted by Howard Berg of Danforth who used the JEOL JSM-6010 InTouchScope SEM to image, and then he used Photoshop to create an embossed effect and colorize the image. The May image is one of a single grain of pollen from a Morning Glory flower, taken by Stefan Eberhard,

JEOL USA, Inc.
www.jeolusa.com

New Hexapod Controller Launched by PI

Precision motion control systems specialist, PI (Physik Instrumente) L.P., launched the new C-887.52, a sophisticated hexapod controller for parallel kinematics precision positioners that is based on the company's three decades of experience with hexapod mechanics design and control. With a real-time operating system, 6-D vector motion control, comprehensive high-level command set, and optional collision avoidance software, this compact bench-top solution will extract the maximum performance and precision out of hexapod parallel positioning systems.

PI (Physik Instrumente)
www.pi-usa.us

Masahiro Kawasaki Recipient of MSA Award

JEOL is pleased to announce that the Microscopy Society of America Chuck Fiori Outstanding Technologist Award for Physical Sciences was presented to Dr. Masahiro Kawasaki of JEOL USA at a special presentation during M&M 2015. Dr. Kawasaki is the director of TEM applications and business solutions for the Americas. Dr. Kawasaki has made significant contributions to the development of new TEM/scanning TEM techniques, and he has been responsible for introducing and teaching these techniques to countless microscopists.

JEOL USA, Inc.
www.jeolusa.com

TMC Introduces Cleanbench™ with Gimbal Piston™ Vibration Isolation



TMC introduced CleanBench™, the next generation of the company's laboratory tables. CleanBench combines TMC's superior Gimbal Piston™ air vibration isolation system with a new tabletop design that provides more stability and better ergonomics in a compact design. All CleanBench laboratory tables incorporate TMC's Gimbal Piston air isolators, which provide outstanding low-frequency vibration isolation in all axes and maintain the isolators' performance specifications even when subjected to extremely low input levels of excitation.

TMC: Technical Manufacturing Corporation
www.techmfg.com

Micro to Nano – The New European Source for Microscopy Supplies Opens for Business



Micro to Nano is a new company specializing in the supply of useful microscopy accessories and consumables for electron microscopy and scanning probe microscopy techniques. With a combined experience of over 50 years in electron microscopy, sample preparation, imaging technology, and product distribution, the company has a deep understanding of the needs of customers. Micro to Nano offers products to customers worldwide from its offices in Haarlem, the Netherlands.

Micro to Nano
www.microtonano.com

Rice University Boots Up Powerful Microscopes

Rice University has installed the Titan Themis scanning transmission electron microscope that will enable scientists from Rice as well as academic and industrial partners to view and analyze materials smaller than a nanometer with startling clarity. Images will be captured with a variety of detectors, including X-ray, optical, and multiple electron detectors and a 4K-resolution camera. The microscope gives researchers the ability to create 3D structural reconstructions and carry out electric field mapping of subnanoscale materials.

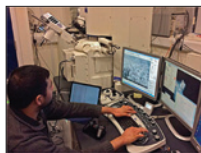
Rice University
<http://news.rice.edu/2015/06/29/rice-university-boots-up-powerful-microscopes>

Renishaw's inVia Confocal Raman Microscope System is Used in Conservation Activities at the Rijksmuseum, Amsterdam, the Netherlands

The Conservation Department purchased a Renishaw inVia confocal Raman microscope equipped with a polarized light microscope and 785nm and 532nm lasers. The polarized light microscope is essential for this work because cross sections of paint layers, which typically consist of multiple colored pigment grains, are impossible to visualize in reflected light with bright-field illumination only.

Renishaw plc
www.renishaw.com/raman

Kleindiek Nanotechnik Makes Force Measurement Inside Your SEM/FIB Easy



Kleindiek Nanotechnik have partnered with EM Resolutions, a consumables and accessories supplier for electron microscopy, to supply their MM3A nanomanipulators and force measurement systems to the UK research community. FMS-EM force measurement systems are enabling researchers at Imperial College London to investigate the root cause of failures in electrochemical devices such as fuel cells and batteries. Imperial College is also using them for testing during the development of nano robots and other nanostructures.

Kleindiek Nanotechnik and EM Resolutions
www.emresolutions.com/products/kleindiek

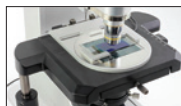
Beam Twisters™ Provide 90° Rotation of Laser Bar Beams



Edmund Optics® introduced Beam Twisters™. They rotate the beams emitted by individual laser bars by 90°, providing greater than 97% transmission. RoHS-compliant Beam Twisters™ feature NIR coatings with an average reflectance of less than 0.5% at 800–1,000nm. A 24 emitter model with 400µm pitch and a 19 emitter version with 500µm pitch are both available. Beam Twisters™ are ideal for pairing with a slow axis collimator for complete laser beam collimation.

Edmund Optics®, Inc.
www.edmundoptics.com

Linkam Launch the WS37 Warm Stage for Life Cell Research – Applications in Andrology



Linkam introduced a new solution for embryologists seeking a better solution for the evaluation and quantification of sperm. The system provides easy calibration and has a low entry price and minimal running costs. Most important, it incorporates a simple and visual temperature validation using a specially developed liquid crystal temperature sensitive slide. An alarm function adds to system confidence and improved workflow efficiency.

Linkam Scientific Instruments
www.linkam.co.uk

New International Electron Microscopy Demonstration and Application Facility for Quorum

Quorum opened its new state-of-the-art cryo scanning electron microscopy and analysis suite at the Quorum headquarters in Laughton, East Sussex, UK. The facility is a result of collaboration between Quorum Technologies, Hitachi High Technologies, and Oxford Instruments. At the heart of the new facility is a Hitachi SU8230 field emission scanning electron microscope (FE-SEM) fitted with technology-leading Oxford Instruments X-MaxN150 X-ray microanalysis and Quorum PP3010T cryo preparation systems.

Quorum Technologies
www.quorumtech.com