

IndustryNews

Tab4Lab from Carl Zeiss Documents Microscope Photos

Direct and fast image evaluation on a highly efficient space-saving and integrated tablet image recording system for microscopes that can be adapted to tablet PCs and can be operated via touchscreen. Tab4Lab minimizes both the learning curve and the time required for routine applications. The workflows are modeled on those used in clinical labs and in quality assurance in industry. The user interface is available in various languages.

Carl Zeiss Microscopy, LLC
www.zeiss.com/micro

Allied Vision Technologies Achieves ISO 13485 Certification for Medical Equipment

Allied Vision Technologies (AVT) now complies with the ISO 13485:2010 norm for the development and production of digital cameras and components used for image processing in medical devices. The company's quality management system was successfully audited by Eurocat Institute for Certification and Testing in November 2011, and the certificate was delivered early February 2012. The scope of the certification covers the whole product life cycle from design to service and repair.

Allied Vision Technologies GmbH
www.alliedvisiontec.com

New 2012 Semrock Master Catalog

Semrock, Inc. announced the release of its new 108-page, full-color, 2012 Master Catalog of optical filters and related products. This comprehensive catalog contains fresh Technical and Product Notes along with a larger than usual selection of new products introduced in the past six months. Over seventy new thin-film filters for fluorescence microscopy and measurements, Raman spectroscopy, and other laser analytical instrumentation applications, as well as many improved versions of existing optical filters and sets are available.

Semrock, a Unit of IDEX Corporation
www.semrock.com

PHOTONIS Announces New Long-Life, Low-Noise Microchannel Plates—New Performance Option Now Available for All MCP Formats



PHOTONIS USA announced the addition of a new Long-Life, Low-Noise (L3N) performance option, which is now available across its entire microchannel plate (MCP) line. The new L3N option offers up to a one hundred-fold reduction in background noise when compared to traditional MCPs. Any MCP made by PHOTONIS USA can now be ordered with this new low-noise performance option.

PHOTONIS USA, Inc.
www.photonis.com

Even Greater Sensitivity for Blue and NIR Wavelength Regions

The launch of new EX2 technology across the iXon EMCCD camera range delivers significantly improved sensitivity in both the blue and NIR wavelength regions, while maintaining ~90% QE across the remainder of the visible region. Andor has also added Fringe Suppression technology, a further process implementation that reduces the spatial etaloning effects of back-illuminated sensors that can otherwise affect monochromatic imaging in the NIR region.

Andor Technology
www.andor.com

New Product from NT-MDT—Test Structure for PFM Test Pattern

The PFM03 is intended for setting of the Piezoresponse Force Microscopy (PFM) mode, optimization of the modulation voltage parameters, and test measurements in the PFM mode. The structure consists of a lithium niobate (LiNbO₃) single-crystalline plate with a regular domain structure created in the sample. Spontaneous polarization has the opposite direction in the neighboring domains. Analysis of the local piezoelectric response during application of a modulation voltage will reveal the domain pattern.

K-TEK Technology
www.kteknano.com/kteknano/pfm03.html

TMC's Precision Vibration Isolation Systems

Technical Manufacturing Corporation, a unit of AMETEK, Inc., and a world leader in high-performance vibration isolation systems, has released its comprehensive Resource Guide 12, highlighting the company's expanded line of Precision Floor Vibration Isolation Systems, Optical Tables, and Magnetic Field Cancellation Systems. Featured are piezoelectric active vibration cancellation products based on its patented STACIS® technology. In addition, the Guide details TMC's many standard products and their recommended applications.

Technical Manufacturing Corporation
www.techmfg.com

IDEX Corporation Forms Optics & Photonics Platform

Driven by rising demand for custom-engineered solutions for photonics-enabled instrumentation, the IDEX Optics & Photonics (IOP) platform combines mission-critical technology, manufacturing, and distribution capabilities with proven IDEX commercial and operational excellence tools to provide its customers with shorter time-to-market and unparalleled collaboration, quality, and service. The IOP platform currently consists of three business units: ATFilms, CVI Melles Griot, and Semrock. The IDEX Optics & Photonics platform is uniquely positioned to serve OEM customers.

IDEX Optics & Photonics
www.idexcorp.com

Scientific Concierge Services™ from CRAIC Technologies Scientific Instruments



CRAIC Technologies, Inc. announces its Scientific Concierge Service™. Offered to CRAIC Technologies customers and prospective customers, the Scientific Concierge Services™ is staffed with a dedicated and experienced support team that understands the customer's requirements and can help guide them through the purchase, coordinate installation, delivery, and training. The process does not end there; Scientific Concierge Services™ continues to provide support to customers and will also manage service contract renewals and standards recertification requirements.

CRAIC Technologies, Inc.
microspectra.com/support/service-contracts

Highly Advanced Transmission Electron Microscope from FEI Inaugurated at the Ernst Ruska-Centre in Germany

FEI announced that a highly advanced microscope has been inaugurated at the Ernst Ruska-Centre (ER-C) in Jülich, Germany. This microscope was funded by the Ernst Ruska-Centre's PICO project and is based on FEI's Titan³™ G2 60-300 scanning transmission electron microscope (S/TEM). It is one of only two of its kind in the world and the first one in Europe with chromatic aberration correction (C_c).

FEI Company
www.fei.com

Brooks Life Science Systems and The Scripps Research Institute Initiate Partnership

Brooks Life Science Systems, a division of Brooks Automation, Inc. announced the initiation of a technology development and commercialization partnership with The Scripps Research Institute. The cornerstone of this partnership will be an exclusive licensing agreement to jointly complete the development of a microplate imaging system created by Scripps Research and to enable Brooks Life Science Systems to manufacture and commercialize this imaging system, named the Brooks Plate Auditor™.

The Scripps Research Institute and Brooks Life Science Systems
www.scripps.edu and www.brooks.com

Truesense Imaging Announces Company Name as an Independent Operation



Truesense™ Imaging announced its new corporate identity. Formerly the Image Sensor Solutions (ISS) division of Eastman Kodak Company,

Truesense Imaging was acquired by Platinum Equity through a transaction with Kodak, and Truesense is now operating as an independent company. Truesense Imaging, as part of the Platinum Equity portfolio, will continue to provide the industry's broadest range of image sensor devices that customers all over the world depend on for their most demanding applications.

Truesense Imaging, Inc.
www.truesenseimaging.com

Nanoanalysis Technique Proves Toothpaste Hypersensitivity Benefits



A microscopist at McCrone Associates, Inc. used field emission scanning electron microscopy (FESEM) to provide visual proof of protection from tooth hypersensitivity when using the professional-strength toothpaste Clinpro. Working with Indiana Nanotech, McCrone Associates was able to use FESEM to show that Clinpro products promoted mineral deposits in the dentin tubules, which would directly result in a dramatic decrease in hypersensitivity. The deposits were also resistant to acid, which can arise from drinking an acidic beverage like coffee.

McCrone Associates, Inc.
www.mccroneassociates.com

EDAX Launches New Global Service Maintenance Program

EDAX Inc. has launched a new global service maintenance program under the AMETEK Materials Analysis Division AMECARE Performance Services™ portfolio. AMECARE Performance Services™ offerings deliver high-value added service solutions through a network of over 100 service engineers based in 20 countries around the world. A broad range of service modules has been developed and offered on an a la carte basis, allowing customers to customize service scope to meet their specific needs.

AMETEK EDAX
www.edax.com

ETH Zurich Purchases a NanoInk DPN 5000 System

NanoInk's NanoFabrication Systems Division announced that the Laboratory for Nanometallurgy in the Department of Materials at the Eidgenössische Technische Hochschule Zürich (ETH Zurich) in Switzerland purchased a DPN 5000 System—a dedicated, versatile instrument capable of patterning a variety of materials with nanoscale accuracy and precision. ETH Zurich intends to use the NanoInk platform to synthesize geometrically and structurally complex nano structures. This research is expected to open pathways to more sustainable materials development.

NanoInk, Inc.
www.nanoink.net/divisions.html#NanoFabrication

Avizo® Software Chosen by Louisiana State University for Multidisciplinary 3D Imaging Class

Visualization Sciences Group (VSG) announced that they have signed an agreement with Louisiana State University for the licensing of Avizo® 3D analysis software through their Information Technology Services Department for use in their honors multidisciplinary 3D imaging class. This agreement supports LSU's strategy of teaching science with cutting-edge visualization software and providing students with the means to solve complex scientific problems using 3D imaging and data visualization.

Visualization Sciences Group
www.avizo3d.com