

## IndustryNews

### Meiji Techno Announces the Availability of the Latest Software for Lumenera's INFINITY Range of Cameras

The INFINITY Camera Software v5.0.4 package includes support for new camera models and a few important updates to existing camera models. Device driver support is included for 64-bit Windows platforms and full driver signing for Windows VISTA and Windows 7. This release includes a few specific device driver updates and the associated inclusion of new INFINITY camera models into the INFINITY CAPTURE application (rev 5.0.4).

Meiji Techno UK  
www.meijitechno.co.uk

### "Two in a row" as Malvern Instruments Wins Queen's Award for Second Year in Succession



Malvern Instruments is celebrating winning the Queen's Award for Enterprise in two successive years. The 2011 awards were announced in April, with Malvern receiving the Queen's Award for Enterprise in the category of International Trade. While this is a considerable achievement in its own right, it is all the more noteworthy for being the seventh time that Malvern Instruments has been recognized in the Queen's Awards.

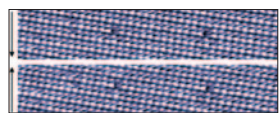
Malvern Instruments  
www.malvern.com

### The Evactron Decontaminator from XEI Scientific Cleans Carbon Contamination with Hydrogen

XEI Scientific Inc, maker of the popular EVACTRON® Plasma Cleaning System for electron microscopes and other vacuum chambers, reported the use hydrogen for cleaning carbon decontamination. Using the tool with hydrogen gas has produced atomic hydrogen and has been successful in removing hydrocarbon contamination from EUV mirrors. Cleaning rates were seen in the nanometers-per-minute range at distances of up to 30 cm from the remote plasma source.

XEI Scientific, Inc.  
www.evactron.com

### Asylum Research Cypher™ Atomic Force Microscope Achieves Point Defect Atomic Resolution in Liquids



Asylum Research announced that its Cypher AFM is routinely achieving resolution of atomic-scale point defects in liquid. Although scanning tunneling microscopes have routinely demonstrated point defect resolution since their invention, this gold standard of true atomic resolution has been more elusive in AFM. The Cypher AFM's high signal-to-noise and support for ultra-small probes have enabled this breakthrough in atomic-scale imaging.

Asylum Research  
www.AsylumResearch.com

### The Karlsruhe Institute of Technology (KIT) Uses the JPK NanoWizard Family of AFMs for the Nanoscale Characterization of Optical Systems and Devices

JPK Instruments, a world-leading manufacturer of nanoanalytic instrumentation for research in life sciences and soft matter, reports on the work from the Light Technology Institute at the Karlsruhe Institute of Technology (KIT) in Germany where the JPK NanoWizard® family of AFMs provide the backbone for topographic and optical research activities.

JPK Instruments AG  
www.jpk.com

### JEOL de Mexico Celebrates 20th Anniversary



JEOL de Mexico, a subsidiary of JEOL USA, celebrated its 20th anniversary in May with about 250 customers in attendance. JEOL sold its first electron microscope in Mexico in 1975 and established an office in Mexico in 1991. JEOL de Mexico is dedicated to the support of nearly 300 JEOL instruments. The new atomic resolution TEM, the JEOL JEM-ARM200F, will be installed at Cinvestav later this year, bringing the ultimate in research capability to the area.

JEOL USA  
www.jeolusa.com

### Navitar Acquires Assets of Modulation Optics and Hoffman Modulation Contrast® Imaging Technology

Navitar Life Sciences, Inc., an affiliated entity of Navitar, Inc. announced that they have entered into a binding agreement to acquire the assets of Modulation Optics and their Hoffman Modulation Contrast® (HMC®) Imaging Technology. Modulation Optics manufactures Hoffman Modulation Contrast microscope components and systems for use in live cell imaging applications such as stem cell imaging, cancer study, and embryo and sperm monitoring during *in vitro* fertilization procedures.

Navitar Life Sciences, Inc.  
www.navitar.com

### FEI Installs Advanced Electron Microscopes at nanoGUNE Nanoscience Research Center

FEI Company and the Basque Nanoscience Cooperative Research Center, nanoGUNE Consolider, are pleased to announce the installation of three new advanced electron microscope systems from FEI. nanoGUNE now has the most advanced FEI microscopes available, the Titan™ scanning transmission electron microscope (S/TEM); a Quanta™ FEG (field emission gun); and a Helios NanoLab™ DualBeam™ nanofabrication tool in its new facility. The grand opening event was held in San Sebastian in June 2011.

FEI Company  
FEI.com

### Thermo Fisher Scientific Announces Upgrade Program for NanoDrop Instruments that Includes Donations to Academic Institutions in Developing Nations



Thermo Fisher announced a new upgrade program that includes the donation of reconditioned Thermo Scientific NanoDrop 1000 spectrophotometers to academic institutions in developing countries. Owners of a NanoDrop 1000 UV-Vis spectrophotometer can trade in their current instrument and receive a \$1,500 credit with the purchase of a NanoDrop 2000 or NanoDrop 2000c UV-Vis spectrophotometer, plus a free one-year extended service plan.

Thermo Fisher Scientific Inc.  
[www.thermoscientific.com/nanodropupgrade](http://www.thermoscientific.com/nanodropupgrade)

### A Fresh Website for Semrock.com



Semrock, Inc. has launched a new version of their website, [www.semrock.com](http://www.semrock.com), to allow online shopping, along with easier filter and set selection with an improved customer service section. Download and share the large selection of free white papers, technical notes, and journal reprint articles. Pages on new applications and growing technology are posted regularly by expert optics staff, as well as archived copies of the imaging newsletter, "Wavelengths."

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

### Gooch & Housego Enters Distribution Agreement with TechnoTeam

Gooch & Housego announces that it will be entering into an agreement with TechnoTeam Bildverarbeitung GmbH (Germany) to distribute their LMK imaging photometer systems in North America. Coupled with TechnoTeam's integrated automated goniometer, it can be used for near-field measurements of angular and spatial distribution of extended sources in high growth applications, such as LED luminaires and automotive lighting, which would be otherwise impossible in test facilities where space is at a premium.

Optronic Laboratories LLC DBA Gooch & Housego  
[www.goochandhousego.com/products/systems](http://www.goochandhousego.com/products/systems)

### Thermo Fisher Scientific Opens POPs Center of Excellence for Food Safety and Environmental Analysis



Thermo Fisher Scientific Inc. announced the opening of its Center of Excellence for persistent organic pollutants (POPs). The new center will support laboratories that research, measure, and monitor dioxins and other POPs found in food and the environment. The center provides access to highly productive, value-added methods for identifying some of the most difficult to detect POPs. The center provides an integrated workflow that includes instruments, software, and consumables.

Thermo Fisher Scientific Inc.  
[www.thermoscientific.com/pops](http://www.thermoscientific.com/pops)

### Andor Technology Offers Extensive Active Illumination Portfolio for Optogenetics and Photostimulation



Andor Technology announced the launch of its comprehensive Active Illumination Portfolio. All Active Illumination (AI) techniques target optical radiation at user-defined region(s) of the specimen and use optical imaging to observe, and often to measure, the impact of the "perturbation." Andor's AI portfolio therefore enables the user to easily observe, perturb, and measure. The Andor AI portfolio will provide researchers with a wide range of technical capabilities.

Andor Technology plc  
[www.andor.com/microscopy\\_systems/active\\_illumination](http://www.andor.com/microscopy_systems/active_illumination)

### True Surface Microscopy Wins Pittcon 2011 Editor's Gold Award



The new WITec True Surface Microscopy mode is the winner of the Pittcon 2011 Editor's Gold Award for the most outstanding new product at the 2011 PITTCON conference and technical exhibition. The Editors Choice

Awards honors the most significant and important technological advancement introduced at the exhibition. True Surface Microscopy was chosen because of its ability to simplify the Raman Imaging process on large, rough, or inclined samples.

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

### NanoSight Adds Zeta Potential Measurement Capability to their Tool for Nanoparticle Characterization

Zeta Potential Nanoparticle Tracking Analysis (Z-NTA) adds measurement of surface charge to simultaneous reporting of size, composition (light scattering intensity), fluorescence, and count. Zeta potential is measured particle-by-particle, simultaneously for the complete sample population. Size and light scattering intensity are also reported. Polydisperse and complex suspensions are readily characterized. All data sets are validated by real-time observation of particles moving under both electrophoretic and Brownian motion.

NanoSight Limited  
[www.nanosight.com](http://www.nanosight.com)

### Olympus Licenses Digital Pathology Patents to Leica Microsystems



Olympus America Inc. and Leica Microsystems GmbH of Wetzlar, Germany have signed a nonexclusive worldwide licensing agreement allowing Leica to access an extensive portfolio of patents held by Olympus in the field of digital pathology and virtual microscopy. The patents included in the licensing deal cover methods and equipment for creating, storing, and delivering virtual microscopy slides. The technology enables individuals to view and share high-resolution virtual microscopy images over the Internet.

Olympus America Inc. and Leica Microsystems GmbH  
[www.olympusamerica.com](http://www.olympusamerica.com)