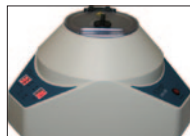


## ProductNews

### LW Scientific New Ultra 8 Digital Centrifuge



Spinning any standard test tube, the Ultra Digital features a simple touchpad digital interface to input the perfect RPM and time to spin blood, urine, fecals, and more. The Ultra D also maintains the same build, shape, and weight as previous models. Despite all the advances in design, the cost is the same as the older analog model.

LW Scientific, Inc.  
www.LWScientific.com

### Malvern Particle Characterization Supports Cost Control in Solar Cell Manufacture



Worldwide demand for photovoltaic solar cells is big business across Europe and Asia. In support, the Sysmex FPIA-3000 Flow Particle Image Analyzer from Malvern Instruments is being used to aid cost control and waste reduction by providing the particle size and shape data necessary for effective recycling of the high-value slurries used in cutting silicon wafers.

Malvern Instruments Inc.  
www.malvern.com

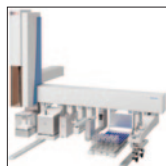
### JAI Rolls Out Two More 2-Megapixel Quad-Tap Cameras



JAI has added two more 2-megapixel industrial grade cameras to its line of advanced quad-tap models that offer high-resolution and CCD-quality images at faster frame rates than typical CCD cameras. The new AM-200CL (monochrome) and AB-200CL (color) cameras provide a resolution of 1600 × 1200 pixels with a standard frame rate of 68 fps. The cameras use the quad-tap architecture of the KAI-02050 CCD for rapid image acquisition.

JAI Inc.  
www.jai.com

### Thermo Fisher Scientific Launches New Robotic Autosampler for Unmatched Automation in Sample Preparation and Handling



Thermo Fisher Scientific Inc. introduced the Thermo Scientific TriPlus RSH Autosampler featuring exceptional precision, flexibility, and productivity in sampling solutions. Compatible with Thermo Scientific GC and GC/MS systems, the autosampler sets new standards in automation and provides advanced liquid handling cycles that enable automated functionality beyond traditional liquid, headspace, and solid-phase microextraction (SPME) injections.

Thermo Fisher Scientific Inc.  
www.thermofisher.com

### Introducing the Next Generation of Critical Point Dryers



tousimis® announces the addition of the 931 Series to our advanced line of Critical Point Dryers. The 931 Series has precision LCD touchscreen controls that can store custom recipes and is available with “stasis” software specific to drying gels and challenging samples. The advanced 931 series of Critical Point Dryers is now available in 1.25-inch, 2.5-inch, and 3.1-inch chamber sizes. The “quick release” sample holder will process samples down to 2 μm in size.

tousimis®  
www.tousimis.com

### Oxford Instruments EBSD Detector



Oxford Instruments NanoAnalysis launched a new EBSD detector at M&M 2011. The Nordlys-Nano detector has been redesigned to address the growing requirements of nanoscale applications. With it, EBSPs are now imaged with 60% more sensitivity, the lowest optical distortion, and the highest resolution. Collect and solve the best quality patterns in real time at low beam currents and at low kV. New NordlysNano delivers highest sensitivity at the fastest possible speeds and the best low-kV analysis capabilities.

Oxford Instruments NanoAnalysis  
www.oxford-instruments.com

### Olympus VS120® Virtual Microscopy Slide Scanning System



The VS120 microscopy slide scanning system from Olympus is a virtual microscopy system that can scan up to 100 slides at a time at very high fidelity, so that users anywhere in the world can view and fully navigate high-resolution images of entire microscope slides or slide areas using a computer. It comes equipped with a 5-megapixel CCD bright field camera that improves bright field scanning speeds while delivering superb color reproduction and ultra-high resolution.

Olympus America Inc.  
www.olympusamerica.com/vs120

### Princeton Instruments's Controllerless, Cryogenically Cooled CCD Cameras Offer High Sensitivity for Quantitative Spectroscopy



Princeton Instruments is pleased to introduce the PyLoN™ series, a new line of controllerless, cryogenically cooled CCD cameras designed for quantitative spectroscopy applications that demand the highest possible sensitivity. The first commercially available models in the new series are the PyLoN:100 and PyLoN:400 dual-amplifier cameras that use 1340 × 100 and 1340 × 400 sensors, respectively. Soon-to-be-introduced models include the dual-amplifier PyLoN: 2K and the single-amplifier PyLoN: 256.

Princeton Instruments  
www.princetoninstruments.com

### JEOL Unveils a New High-Throughput, Automated TEM for Nano-Analysis



A new 200 kV Transmission Electron Microscope from JEOL delivers high-throughput nano-analysis for process and quality control of mass-produced semiconductor and materials samples. The multi-function JEOL JEM-2800 features high-resolution imaging in TEM, STEM, and SE modes; ultrasensitive elemental mapping with a large-angle energy dispersive spectrometer; electron energy loss spectroscopy for chemical analysis; critical dimension analysis; tomography; and *in situ* observation of samples. The all-new TEM functions without a traditional fluorescent screen.

JEOL USA, Inc.  
www.jeolusa.com

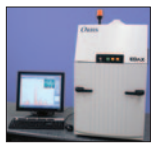
### iLoupe XL2 Mobile Microscope has a Measurement Program



A palm-size microscope with color display screen is being introduced at a national technology event by Aven, Inc. The iLoupe XL2, which includes measurement software, delivers mobility and versatility for industrial, medical, research, and academic users. Capabilities include 200× digital magnification, still imaging, video recording, PC output, and live webcam use. Enlarged views are displayed on a 2.8-inch LCD color screen. Users can record length, perimeter, angle, and surface area of examined objects.

Aven, Inc.  
www.aveninc.com

### EDAX Launches Coating Analysis Software for Orbis Micro X-Ray Fluorescence Analyzers



EDAX Inc., a unit of AMETEK, Inc., has introduced X-ray coating analysis software for its Orbis micro-XRF elemental analyzer that provides simultaneous multi-layer film thickness and composition analysis for metal, oxide, nitride, and carbide coatings, among others. Applications include coatings for electronics, magnetic media, and semiconductors; anti-corrosion and wear coatings for fasteners, aerospace and automotive components; and RoHS analysis of solder coatings.

AMETEK EDAX  
www.edax.com

### Olympus DP26® Camera Offers Unmatched Color Fidelity and High-Resolution Images



Olympus has released a new high-resolution digital color camera for microscopy, the DP26. Incorporating a 5-megapixel scientific-grade CCD sensor, the DP26 camera offers high sensitivity and brilliant, accurate color reproduction. It is ideal for displaying images on large-screen monitors. With the Olympus DP26 camera, users can comfortably browse and focus on their samples and share data with colleagues or students, all without needing to use microscope eyepieces.

Olympus America Inc.  
www.olympusamerica.com/dp26

### FEI's New Titan G2 80-200 with ChemiSTEM Technology Enables Atomic Spectroscopy of More Elements at Higher Resolution



FEI Company announced the release of its Titan™ G2 80-200 with ChemiSTEM™ Technology. The Titan G2 80-200's analytical speed and sensitivity result from the FEI proprietary ChemiSTEM Technology, including the X-FEG (an ultra-stable high-brightness Schottky FEG source), the high-sensitivity Super-X EDX detector system (4 windowless silicon drift detectors integrated deeply into the objective lens), and high-speed mapping electronics capable of acquiring 100,000 spectra/second.

FEI Company  
www.fei.com

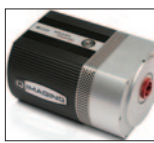
### Topcon Announces a Versatile, Hybrid Microscope



Topcon Positioning Systems has introduced the Aquila hybrid microscope to the North American market. The Aquila hybrid scope puts the versatility of a light optical microscope and the power of a scanning electron microscope into a simple, portable, and affordable package. The microscope magnifies from 30× in optical mode, to 50,000× as an SEM. According to company sources, this unique hybrid design provides key advantages that should expand the use of SEM technology.

Topcon Positioning Systems, Inc.  
www.topconsem.com

### The Rolera™ Thunder EMCCD Camera for High-Sensitivity Low-Light Imaging



QImaging announces the release of the Rolera Thunder EMCCD microscopy camera, the newest generation of its high-sensitivity, low-light imaging EMCCD camera product line. Designed for quantitative low-light fluorescence microscopy, the Rolera Thunder is ideal for life science applications such as super-resolution (STORM, PALM), single-molecule fluorescence and FRAP, as well as physical science applications such as astronomy and studying Bose-Einstein condensates.

QImaging  
www.qimaging.com

### Nikon Instruments Inc. Introduces the New ECLIPSE Ci Series



Nikon Instruments Inc. announced the release of the ECLIPSE Ci series, a new upright microscope system for clinical applications. The three-model line, consisting of the Ci-E, Ci-L, and Ci-S, is built to withstand frequent use and adjusts to the unique preferences of individual users. With simultaneous, motorized switching of objective lens, condenser, and light intensity, the Ci-E was designed so the user can concentrate on the specimen without concern for operation.

Nikon Instruments Inc.  
www.nikoninstruments.com