

IndustryNews

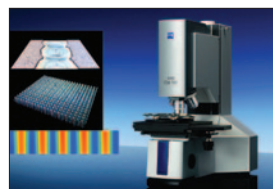
Lesker's New MEMS Pirani Gauge



Kurt J. Lesker's new MEMS Pirani gauge offers a cost-effective, yet rugged and reliable solution to vacuum measurement from atmosphere down to 1×10^{-4} Torr. The MEMS Pirani gauge uses advanced MEMS technology and lock-in AC signal processing in its integrated electronics, which results in reliable and precise measurement. Digital field calibration, any orientation mounting, and optional rear sensor port also add to the flexibility of this gauge.

Kurt J. Lesker Company
www.lesker.com

Axio CSM 700 from Carl Zeiss with New Functions



The new functions of the CSM 700 confocal light microscope (motorized scanning stage with a 150×150 mm travel range that is suitable for materials research, quality inspection, and routine applications) enable materials scientists to measure the 3D topography over large sample areas with more convenience and flexibility.

Scanning stage control is integrated into the Axio CSM 700 software and allows large sample areas to be captured in a mosaic fashion with high resolution.

Carl Zeiss MicroImaging, Inc.
www.zeiss.com/micro

New Sputter Coater / Carbon Coater from Quorum Technologies



The all-new Q150T Turbo-Pumped Coater from Quorum Technologies is the first of a brand new generation of SEM and TEM coatings systems that truly takes specimen coating technology into the 21st century. The Q150T combines state-

of-the-art design with an exceptional high level of performance and flexibility. The Q150T is available in three formats: a high-resolution sputter coater, a carbon coater suitable for SEM and TEM applications, or both combined in a single space-saving system.

Quorum Technologies
www.quorumtech.com

Illuminated Pocket Scopes Ease Precise Inspection



Five pocket-size microscopes are featured by Aven, Inc., a global distributor of optical inspection equipment and high-performance tools. The latest models of carry-along microscopes offer magnification up to 50 \times , sharp resolution, measurement capability and built-in illumination. Lightweight portability makes these professional-grade tools useful for forensic investigators, field biologists and geologists, printers, gemologists, and educators. They're also practical

for quality-control inspections of incoming parts, assembly samples, printed circuit boards, publishing materials, and fibers.

Aven, Inc.
www.aveninc.com

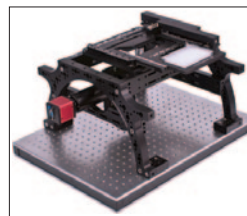
ABB Introduces New Research Grade FT-NIR Spectrometer



ABB announced the introduction of its versatile MB3600-PH FT-NIR spectrometer for the pharmaceutical and life sciences industries. This exceptionally accurate and easy-to-own analyzer can be used in a broad range of applications and can be operated without any scheduled maintenance for ten years. The versatile MB3600-PH is a benchtop analyzer that can be fitted with a variety of accessories for accurate measurements in a broad range of applications.

ABB Life Sciences
www.abb.com/analytical

Rapid Automated Modular Microscope (RAMM) System



The microscope is configurable with infinity-corrected optics, dichroic filter cubes, multi-wavelength excitation and emission filterwheels, and detectors, including cameras and photomultipliers. Features can also be added; these include: high-speed XY stages, precision piezo and motorized Z focusing, auto-focus,

and a robotic specimen loader. The system provides a solid platform for high throughput screening, genetic sequencing, experimental research, and much more.

ASI / Applied Scientific Instrumentation
www.ASIimaging.com

Andor Technology Pushes Interline CCD Performance Even Further



Andor Technology plc announced even higher performance from the most sensitive interline CCD camera on the market, the Andor Clara. Based on measured QC data from the first 200 cameras built, Andor is able to reduce the Clara's typical read noise to 2.4 electrons at 1 MHz, an unprecedented low detection limit. The Clara is engineered to drive the highest sensitivity and dynamic range performance available from a high-resolution scientific interline CCD camera.

Andor Technology, plc
www.andor.com/clara

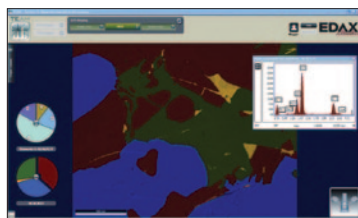
Olympus Offers cell[^]TIRF™ Microscope Illuminator



Olympus has announced another significant leap forward in multicolor TIRF imaging. The Olympus cell[^]TIRF™ illuminator. The new system has four individually controlled motorized laser inputs for TIRF imaging. With the cell[^]TIRF system, each laser wavelength is optimally focused, and each angle is individually set, allowing different wavelengths to have the same penetration depth. Combined, these features make cell[^]TIRF the only such system that can simultaneously capture multiple channels with independently adjusted TIRF angles.

Olympus America Scientific Equipment Group
www.olympusamerica.com/TIRF

EDAX Introduces the TEAM EDS Analysis System

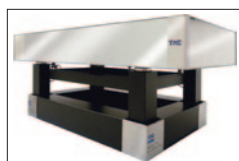


TEAM EDS incorporates smart features for better quality and more reliable results. TEAM EDS system puts the knowledge of an EDS expert into every analysis system. TEAM EDS with Smart Features provides

industry-leading analytical intelligence that allows users to obtain higher quality and more reliable results. Smart Features include Smart Diagnostics, Smart Acquisition, Smart Phase Mapping, EXpert ID, and Smart Data Review that guide and assist users every step of the way.

AMETEK EDAX
www.edax.com

TMC's New STACIS® iX LaserTable-Base

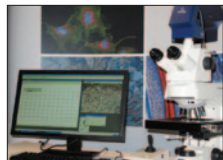


Technical Manufacturing Corporation introduced STACIS iX LaserTable-Base, an active inertial vibration cancellation system for optical tables, at the 2010 Photonics West show. LaserTable-Base, the newest addition to TMC's family

of STACIS iX active piezoelectric vibration isolation products, is designed for applications such as interferometry, single- and multi-photon microscopy, scanning probe microscopy, and other highly vibration-sensitive experiments and instruments that require better vibration isolation than a traditional air system can provide.

Technical Manufacturing Corporation
www.techmfg.com

Upgrade a Microscope with a Turnkey Turbo Slide Scanning Solution



Add the Semi Automated Solution to an existing Microscope and convert it to a Turbo Digital Slide Scanning Microscope. The Turbo Slide Scanner is a turnkey solution featuring inherently superior image quality that is capable of generating images

in a fraction of the time and at half the cost of competitive offerings because existing microscopes and computers are used. This solution is useful for digital archiving of complete slides in pathology and related fields.

Jenoptik Optical Systems, Inc.
www.jenoptik-inc.com

New Semrock Laser Fluorescence Filters Designed for 594 nm Cobolt DPSS Laser



Numerous important fluorescent probes are optimally excited by orange laser wavelengths. Unfortunately there has been a gap in the

availability of lasers in this wavelength range suitable for applications like laser-based microscopy and flow cytometry. A collaboration between Cobalt AB and Semrock, Inc., has resulted in the development of optical filters optimized for use with the Cobolt Mambo™ 594 nm orange laser in fluorescence instrumentation. Semrock has announced a number of new filters designed for the 594 nm laser.

Semrock, Inc. and Cobalt, AB
www.semrock.com and www.cobalt.se

Thermo Fisher Scientific Introduces High Content 2.0



Thermo Scientific's High Content 2.0 is an evolution of automated, quantitative cell imaging for life scientists studying cell function in oncology, neurobiology, toxicology, and systems biology. High Content 2.0 builds on the success of high content screening (HCS)

and high content analysis, advancing the Thermo Scientific Cellomics ArrayScan® VTI, the most productive HCS platform in the industry that leverages years of customer input. High Content 2.0 offers unparalleled ease-of-use, performance, and reproducibility through unique improvements in hardware and software.

Thermo Fisher Scientific
www.thermo.com/hcs

Dolan-Jenner Introduces New Fiber-Lite® LMI-6000



Dolan-Jenner Industries Fiber-Lite® LMI-6000 was designed with microscopy applications in mind, able to support and fully illuminate gooseneck and annular ring light fiber optics, but also a great solution for inspection equipment,

forensics, machine vision, industrial borescopes, assembly stations, and OEM custom lighting. New and energy efficient, the LMI-6000 features bright white LED lighting with a color temp of 6000K and higher output than the typical 150 watt halogen fiber optic illuminators.

Dolan-Jenner Industries
www.dolan-jenner.com

CRAIC Technologies Imaging Software for Windows 7™



CRAIC Technologies announced the release of its ImageUV™ microscope camera control and image analysis software for Windows 7. Users will immediately notice a more fluid response with Window 7's newly enhanced stability and advanced memory management. Windows 7 will further improve the useability of CRAIC's ImageUV™ image analysis software with such features as quick resizing of windows, easier-to-see icons, and speedy access to often-used documents

and spectra with Jump Lists™.

CRAIC Technologies, Inc.
www.microspectra.com

CL-150 Series Workstations for Laboratory Studies



The Spectroline® CL-150 Series of workstations, consisting of the CL-150 and CL-151, enable the lab technician to view, analyze, and photograph fluorescent samples with both epi-illumination and trans-illumination light sources. A removable bottom

panel allows either unit to be placed directly over the transilluminator. The 25-watt white light bulb in the cabinet provides visible illumination for easy sample preparation. Researchers can utilize the safety viewing eyepiece or substitute a "snap-on" camera adapter for photography.

Spectronics Corporation
www.spectroline.com