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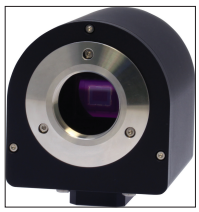
ProductNews

Aven Introduces Mighty Cam Auto Focus 2M Inspection Camera 26100-257



Aven Mighty Cam Auto 2M Inspection Camera connects to any C/CS mount microscope or video lens. This powerful camera will focus for you, significantly streamlining preparation time. Operators may view images through microscope or video inspection system. A manual focus option is available with the push of a button. With Instant Auto Focus, view 1080 p HD images without the inconvenience of having to constantly readjust the lens focus.

Aven, Inc.
www.aventools.com

New GigE Vision Camera Incorporates the High-Quality Sony IMX267 CMOS Sensor with Pregius Global Shutter Technology

The Manta G-895 incorporates the IMX267 CMOS sensor out of Sony's popular Pregius™ series. This image sensor has a resolution of 8.9 megapixels (4112 × 2176). The IMX267 has a high saturation capacity and very low noise resulting in exceptional dynamic range. The Manta G-895 achieves up to 13.4 frames per second at full resolution. Higher frame rates are possible by reducing the region of interest.

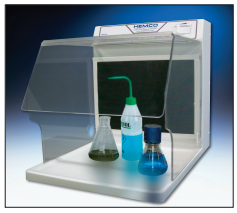
Allied Vision Technologies GmbH
www.alliedvision.com

Universal Motorized Microscope Translation Stage

Prior Scientific announces the new ZDP50K universal motorized microscope translation stage. Compatible with all modern research microscopes, the ZDP50K allows you to to precisely move your microscope while allowing the sample to remain stationary. The translation stage provides unmatched quiet and smooth movement with zero backlash operation over a travel range of 50×50 mm of travel, with repeatability of ±3 µm and a step size of just 0.02 µm.

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

HEMCO Announces Microflow II Ductless Workstation



The MicroFlow II is a Class 1 ductless carbon-filtered workstation equipped with Activated Carbon filtration, for fumes, odors, and non-hazardous chemical vapors. It is completely self-contained with integral recessed work surface to contain spills. A clear hood surrounds the work area and includes a hinged viewing sash. The sash can be conformed for use with a microscope. Variable speed fan control allows for high-speed 100f/m air flow thru the sash opening, or medium and low flow for sensitive operations.

HEMCO Corporation
www.hemcocorp.com

The 308 PV™ Spectrophotometer

CRAIC Technologies announces the availability of the 308 PV™, a UV-visible-NIR spectrophotometer for microscopes. The 308 Perfect Vision™ is designed to be added to an open photoport of a microscope or probe station so that you can non-destructively analyze the spectra of many types of microscopic samples. The 308 PV™ spectrophotometer is an all-manual system that integrates CRAIC Technologies Lightblades™ spectrophotometer with a sophisticated optical interface hardware and powerfull Lambdafire™ software.

CRAIC Technologies, Inc.
http://microspectra.com

SIMS Analysers for Surface Characterisation

The extended range of Hiden SIMS Workstations incorporates instruments for fundamental research through to automated quality control applications. The quadrupole SIMS detector and ion/electron source elements are also available separately to enable upgrading of existing surface analysis tools with the SIMS technique. All system elements feature the Hiden dual-mode MAXIM mass spectrometer operating in the secondary ion detection mode for positive/negative ion detection and in the secondary neutral(SNMS) detection mode for positive data quantification.

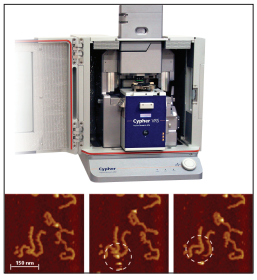
Hiden Analytical Ltd.
www.HidenAnalytical.com

Basler Expands Microscopy PowerPack with Fast Camera Models and New Sharpening Feature

The Microscopy ace 3.2 MP and Microscopy ace 5.1 MP are equipped with Sony´s high-quality Pregius sensors that provide a speed of up to 55 images per second. This feature set offers both smooth screening of samples and analysis of movements in even the smallest samples. All Basler PowerPacks for Microscopy now include a first-of-its-kind sharpening feature to optimize the image for depth of focus.

Basler AG
www.baslerweb.com

Oxford Instruments Asylum Research Announces the New Cypher VRS Video-Rate Atomic Force Microscope



The new Cypher VRS Video-Rate AFM is the first and only full-featured video-rate atomic force microscope. The Cypher VRS sets a new benchmark for speed, enabling high-resolution imaging of dynamic events at up to 625 lines/second, corresponding to about 10 frames per second. The Cypher VRS is the only AFM to achieve these speeds while still offering the versatility and ease of use of a full-featured research AFM.

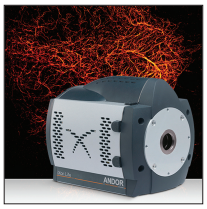
Oxford Instruments Asylum Research
www.oxford-instruments.com/Cypher-VRS

A Novel and Intuitive Operating Concept Revolutionizes Raman Imaging

WITec presents a new operating concept with the powerful and intuitive Suite FIVE at Pittcon 2017. Sophisticated features and hands-on control transform the user experience, enabling the researcher to move from setup to results with unprecedented ease. Suite FIVE provides an integrated tool for data acquisition, evaluation, and post-processing that enables researchers to quickly extract key information from their experiments. All Raman, AFM, SNOM, and WITec correlative microscopy measurement modes are supported.

WITec
www.witec.de

Andor Launches iXon Life for Fluorescence Microscopy – EMCCD Performance at sCMOS Price



Andor Technology announced the launch of the new ultrasensitive iXon Life Electron Multiplying CCD (EMCCD) camera platform, exclusively for fluorescence microscopy. Featuring single-photon sensitive, back-illuminated EMCCD technology and overclocked to market-leading frame rate performance, iXon Life is uniquely available within a highly accessible price bracket, normally associated with lower-cost back-illuminated sCMOS technology.

Andor Technology, an Oxford Instruments company
www.andor.com/scientific-cameras

Superior Fluorescence Microscopy Illumination System

The Lumen 200 Fluorescence Illumination System from Prior Scientific offers a powerful, cost-effective alternative to traditional short-arc Mercury vapor lamps and bulbs used in fluorescence microscopy. Using a metal halide lamp, the Lumen 200 delivers 2,000 hours of stable, flicker-free, output compared to a maximum of 200 hours for a mercury vapor lamp or bulb. The Lumen 200 also incorporates a variable light attenuation control to reduce the potential of bleaching and phototoxicity.

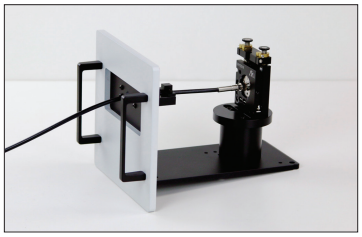
Prior Scientific Inc.
www.prior.com

Park Systems Announces Revolutionary Single-Click Software SmartScan

Park Systems announced that Park SmartScan, a powerful AFM operating software is now available on Park XE series AFMs. It drastically boosts productivity, allowing single-click reliable nanoscale images. SmartScan completely automatizes all of the functions of setting up and taking the image, once done manually by the operator, producing high-quality nanoscale imaging in auto mode in five times the normal speed.

Park Systems
www.parkafm.com

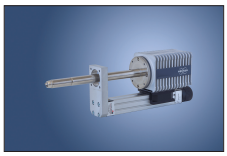
Picoquant Releases 560 nm Laser for Applications in Life Science



PicoQuant has released a picosecond pulsed laser that emits light in the yellow-green spectral range at 560 nm and is ideal for the excitation of many molecular probes. The laser head LDH-P-FA-560 delivers average optical powers of more than 3 mW at a repetition rate of 40 MHhz with pulse widths down to 40 ps. The collimated free beam output can optionally be coupled into an optical fiber.

PicoQuant GmbH
www.picoquant.com

Bruker Introduces the First Research-Grade QUANTAX EDS System Priced at Under $35,000



Utilizing the XFlash® 600 silicon drift detector (SDD), the QUANTAX Compact EDS system features a new easy-to-use software suite that is ideal for new users as well as experts. Compatible with Windows 10, the system performs qualitative and quantitative analyses with a resolution of ≤129 eV for Mn Kα. Advanced tools include spectrum acquisition at user-defined points and areas, plus powerful line scan and spectral element mapping functions.

Bruker Nano Analytics
www.bruker.com

Linkam Launches the Optical DSC450 for Improved Materials Characterization

The Optical DSC450 enables the user to measure glass transitions and melting behavior of a wide range of substances while accurately controlling temperature and atmosphere of the stage as required by the user. A new feature increases the characterization capabilities of the DSC system, combining it with imaging capability. The new LINK Digital Imaging module enables additional information to be obtained by correlating optical changes such as color with temperature.

Linkam Scientific Instruments Limited
www.linkam.co.uk

JPK Launches the OT-AFM Combi-System, the World's First Combined System to Provide Optical Tweezers and AFM

The OT-AFM Combi-System pairs the exceptional surface force measurement and imaging capabilities of AFM with the ability of optical tweezers to apply and measure smallest forces in 3D. The unique combination of 3D positioning, detection, and manipulation provided by OT and the high-resolution imaging and surface property characterization of AFM opens up a whole new spectrum of applications.

JPK Instruments AG
www.jpk.com