

Confocal Microscope

The new Smartproof 5 widefield confocal microscope is designed for a wide range of industrial applications in quality assurance and quality control departments, production environments, and R&D labs. The Smartproof system provides 3D reconstructions and roughness measurements for a wide range of workpiece surfaces. Users benefit from an integrated design, repeatable results, and high throughput. The Smartproof 5's integrated, robust design offers the option of installing and running it in different working environments without additional anti-vibration equipment. The optics, electronics, and camera are all embedded in the microscope, and the number of cables is minimized to eliminate clutter. The Smartproof 5 software provides the user with easy-to-operate workflow routines. In addition to geometrical measurements, the user can carry out roughness analyses in 2D (profile) and 3D (area)—both based on International Organization for Standardization (ISO) standards. The workflows can be saved, ready to perform the same 3D analysis again.

Zeiss

For info: +49-(0)-3641-64-3949
www.zeiss.com

Adjustable Microscope Platform

The ZDeck Quick Adjust Platform range is a high-quality, height-adjustable platform designed specifically for upright microscopes. The ZDeck is compatible with most commercially available vibration isolation tables and offers an exceptionally stable platform, ensuring that your experimental area is as smooth and vibration-free as possible. The ZDeck's large top plate provides an extensive surface area, enabling users to undertake a comprehensive range of tasks and allowing enough space to set up even the most complex experiments, which may involve environmentally controlled chambers, micromanipulators, and other instruments. The ZDeck's top surface breadboard design (6-mm holes on 25-mm centers) is ideal for quickly and accurately mounting equipment. Offering the ability to switch between imaging heights within seconds, the ZDeck is well suited for observation of both thin-sample and whole-animal imaging. In applications where electrical noise might be an issue, the power to the ZDeck's motors can be switched off after movement.

Prior Scientific

For info: 800-877-2234
www.prior.com



Scanning Optical Microscope

The Mad City Labs near-field scanning optical microscope (MCL-NSOM) leverages MCL expertise with high-resolution scanning probe microscopy instrumentation and closed-loop nanopositioning systems to design an NSOM that meets the performance criteria and versatility demanded by leading researchers. The MCL-NSOM is an aperture NSOM built on a Mad City Labs RM2 inverted optical microscope, which allows users to convert to apertureless NSOM, atomic force microscopy (AFM), and fluorescence optical microscopy. The MCL-NSOM includes XYZ closed-loop nanopositioning for sample and fiber scanning, providing subnanometer precision and exceptional low-noise performance. Six axes of automated positioning are provided, including independent automation for fiber alignment to the optical axis, and are controlled with LabVIEW-based software. The MCL-NSOM includes a fiber launch with excitation source, alignment camera, and detection avalanche photodiode (APD), but can also easily accommodate user ancillary excitation and detection optics, further enhancing the versatility of this microscope.

Mad City Labs

For info: 608-298-0855
www.madcitylabs.com/nsom.html

optical performance, provides a more complete understanding yet is still easy to use. Kinetic imaging allows for real-time studies of dynamic processes such as battery cycling or biological activities in cells. The new DXR2xi Raman imaging microscope is image-centric and works much like the scanning microscopes already used by many scientists.

Thermo Fisher Scientific

For info: 800-556-2323
www.thermofisher.com/dxr2

Histology Slide Scanning

The new slide scanner from Eikonix brings high-quality slide scanning to a much wider market. This compact device utilizes a host of the latest automated imaging technologies along with a proven scanning engine to create an effective, reliable tool for the rapid acquisition of whole-slide images from standard glass microscope slides. The easy-to-use system can be operated by anyone and requires no specialist training. The intuitive software effortlessly guides the user through each step to produce images of exceptional quality. Designed to scan up to two standard slides or one double-sized slide, the system can produce high-resolution images in just a few minutes. Automatic tissue detection and focusing eliminate complicated setup procedures and guarantee outstanding results for every scan. The integrated computer ensures that the system is ready to go right out of the box, and the preloaded control software requires minimal setup to begin scanning.

Eikonix

For info: +44-(0)-1223-515440
www.eikonix.com

Raman Microscopes

The DXR2 line of Raman microscopes is ideal for scientists working in advanced materials research, pharmaceuticals, polymers, and the developing life science research market. They provide improved workflows that are designed to deliver unparalleled ease of use and accessibility for nonexperts without compromising robustness or reliable performance. Scientists can benefit from rapid, easy setup and a design that facilitates obtaining visually informative, submicron-resolution images. The new DXR2 line, which includes the DXR2 and the DXR2xi, provides both spectrographic and spatial imaging for regulated environments. New polarization techniques provide continuously variable angle polarization analysis, and software automation, coupled with equivalent

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