News Release

OLYMPUS

New PRECiV™ Software Enables Microscope Users to Easily Capture Precise, Repetitive 2D Images and Measurements

Software can control conventional industrial microscopes that use an Olympus microscope camera

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WALTHAM, Mass., (January 19, 2022)—PRECiV™ software enables users in production, quality control and inspection to make precise, repetitive 2D measurements and obtain results that comply with the latest industrial standards. With robust data sharing and security features, PRECiV software makes microscopy workflows faster and more efficient.

Take Control of Your Microscope

PRECiV software turns any manual microscope into a comprehensive imaging and measurement platform. The software can control all Olympus conventional industrial microscopes, their coded functions, Olympus motorized nosepieces and Olympus digital microscope cameras. It supports brightfield, darkfield, MIX (directional darkfield), polarization and differential interference contrast (DIC) imaging for flexibility and offers robust color rendering and high resolution to provide high-clarity images.

Easy-to-Use Measurement Tools

The software's intuitive interface is simple to use with a navigation tab that clearly groups the software's functions—such as observation, acquisition and measurement—using large, clearly labeled buttons. For newer users, advanced settings remain hidden while experienced users can easily access all the available features and functions. The home screen can be customized so that the features and functions used most often can be readily accessed.

Repetitive 2D Measurements

PRECiV software enables precise, repetitive two-dimensional measurements on a live or recorded image. Powerful functions like auto edge detection* to reliably measure the distance between two points, auxiliary lines* to make complex geometric measurements and a magic wand for automatic area detection enable inspectors to be confident in their data.

Acquiring all-in-focus images that extend beyond the microscope's field of view is also easy. The extended focal imaging (EFI) function serially acquires multiple images in different focal planes while the panorama function enables users to move the stage across the sample and then stitch those images together into one large image. Using PRECiV software, you can now combine instant EFI and panorama images while keeping both hands on the microscope.

For advanced applications like grain sizing or non-metallic inclusions, optional Materials Solutions guide users through the steps required to acquire measurements that comply with the latest standards, including ISO, ASTM and JIS.

Connectivity that Enables Efficiency

PRECiV software has robust data sharing and security features.** With a connected workstation, users can easily save images and configuration files to the cloud or a network drive, receive automatic software updates and security patches, use a floating license and upgrade to new versions. Images can be saved and loaded in multiple formats or saved as a JPEG with the accompanying calibration information for traceability. Sharing methods and configuration files—including measurements, image processing settings and materials solutions settings—between connected workstations makes it possible to get the right information in front of the right person quickly and easily.

For more information about PRECiV software, visit www.olympus-ims.com.

About Olympus

Olympus is passionate about the solutions it creates for the medical, life sciences and industrial equipment industries. For more than 100 years, Olympus has focused on making people's lives healthier, safer and more fulfilling by helping detect, prevent, and treat disease, furthering scientific research, ensuring public safety and capturing images of the world.

Olympus' Industrial Solutions range from industrial microscopes and videoscopes to nondestructive testing technology and X-ray analyzers. These products are widely used for quality control, inspection, and measurement applications. Serving customers in fields such as manufacturing, maintenance and environment and natural resources, Olympus technology contributes to the quality of products and adds to the safety of industrial infrastructure and facilities. For more information, visit www.olympus-ims.com.

Olympus…True to You. True to Society. True to LIFE.

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*Available in PRECiV Pro and PRECiV Desktop.
**Olympus can provide a Manufacturer Disclosure Statement for Medical Device Security (MDS²) that focuses on the NIST Framework for cybersecurity.
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