

MEDIA INFORMATION

Olympus Launches Next-Generation XRD with New SwiftMin® Software for Real-Time Onboard Quantitative Mineralogy and Phase Analysis

Portable TERRA™ II and Benchtop BTX™ III mobile XRD analyzers offer SwiftMin automated quantitative XRD software, a streamlined user interface, preprogrammed calibrations and an improved X-ray detector for increased productivity without the need for a technical expert.

Hamburg, 07 April 2020 – The Olympus next-generation [TERRA™ II](#) and [BTX™ III mobile X-ray diffraction \(XRD\) analyzers](#) offer faster quantitative mineralogy results in the field and lab. Powerful, intuitive software is paired with new X-ray detectors on both systems for increased speed, providing you with the results you need to make decisions quickly and with confidence.

Both XRD instruments feature new SwiftMin® software, which provides automated mineral/phase ID and quantification in real time directly on the analyzer. The intuitive software interface comes with time-saving features, including:

- **One dashboard for data:** see all results, calibration and analysis information in a single view to speed up your workflow.
- **Wireless capabilities:** get real-time results and operate the instrument using any wireless-capable device, such as a laptop, tablet or phone.
- **Automatic data transfer:** automatically send data to your network when the operator hits stop or after a preset amount of time.
- **Easy data export:** easily export quantitative mineralogy/phase ID results for visualization or further data analysis, and access raw data

files using a network folder to analyze diffractograms (for users who prefer manual analysis in a third-party software).

In conventional XRD instruments, a large quantity of sample must be finely ground and pressed into a pellet. Ideally crystallites must be randomly oriented, yet samples prepared for conventional XRD typically suffer from preferred orientation effects. In contrast, the TERRA II and BTX III analyzers feature a unique small sample holder to provide a portable, lightweight and virtually maintenance-free alternative to conventional XRD. The patented vibrating sample holder convects all particles within the sample chamber, removing almost all orientation effects. As a result, the instruments require a mere 15 mg sample, which operators can easily obtain using the supplied sample kit.

Olympus' TERRA II XRD instrument is the successor to the first commercial battery-operated, portable XRD in the world. Featuring a battery life up to six hours and a rugged, weatherproof case, the TERRA II system is built for fast in-field analysis. The BTX III offers the same analytical performance in a compact design intended for benchtop laboratory analysis.

For more information about the TERRA II and BTX III, visit Olympus-IMS.com.

Please contact:

Olympus:

Jennifer Giesen (Content Marketing Manager Industry EMEA)

Olympus Europa SE & Co. KG

Hamburg, Germany

Tel: +49 (0) 40 23773 4256

Email: scientificolutions@olympus-europa.com

Web: www.olympus-ims.com



Text:

Victoria Coupe (Senior Account Manager)

Alto Marketing

Fareham, UK

Tel: +44 (0) 1489 557 672

Email: victoriac@alto-marketing.com

Web: www.alto-marketing.com

For Olympus in the USA, please contact:

Kristin Schaeffer

Klunk & Millan Advertising

kristin@klunkmillan.com

610-973-2400