

Rigaku Presents Latest Analytical X-ray Technology at Analytica 2018



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Rigaku is exhibiting at the 26th international Trade Fair for Laboratory Technology, Analysis and Biotechnology in Munich

April 10, 2018 – Munich. [Rigaku Corporation](#) is pleased to announce its attendance at the *26th international Trade Fair for Laboratory Technology, Analysis and Biotechnology (Analytica 2018)* in Munich, Germany.

The event, which runs through April 13, highlights all areas of modern analysis employed in industry and research, covering aspects from analytical chemistry through bioanalytics to clinical chemistry and diagnostics and features over 1,100 exhibitors providing expertise in biotechnology, quality inspection, laboratory techniques, clinical diagnostics and life sciences.

Rigaku provides the world's most complete line of X-ray analytical instruments and components, including benchtop X-ray diffraction ([XRD](#)) and X-ray fluorescence ([XRF](#)) systems, X-ray optics and detectors, and is presenting its latest X-ray analytical instrumentation in *Hall A1 Booth 330*.

Analytical and industrial instrumentation from Rigaku range from benchtop devices, suited for researchers employing X-ray techniques, to high-end instruments with advanced analytical capabilities.

Among the instruments featured is the new sixth generation [Rigaku MiniFlex](#) benchtop X-ray diffraction instrument. The MiniFlex is a general purpose X-ray diffractometer that can perform qualitative and quantitative analysis of polycrystalline materials. It is designed to deliver speed and sensitivity through innovative technology enhancements such as the HyPix-400 MF 2D hybrid pixel array detector (HPAD) coupled with a 600 W X-ray source and new 8-position automatic sample changer.



**New 6th Generation
Rigaku MiniFlex Benchtop
X-ray Diffraction (XRD)
Spectrometer**



**Rigaku Supermini200
Wavelength Dispersive X-ray
Fluorescence Spectrometer**

The [Rigaku Supermini200](#) analyzer is also among the analytical instrumentation being presented. It is the world's only high-power (200 W) benchtop sequential wavelength dispersive X-ray fluorescence spectrometer for elemental analysis of oxygen (O) through uranium (U) of almost any material. It uniquely delivers low cost-of-ownership with high resolution and lower limits of detection (LLD).

The new [Rigaku NANOPIX mini](#) on display at the event is the first benchtop small angle X-ray scattering ([SAXS](#)) system dedicated to the characterization of nanoparticles in both research and production environments. With a revolutionarily small footprint and performance superior to traditional “big iron” systems, this compact instrument offers enhanced angular resolution through its line-focus X-ray source and superior combination of high figure-of-merit optics. Nanoparticle size, size distribution, and particle shape are the key pieces of information obtained from SAXS. Samples may range from solutions, suspensions or slurries to solid plastics, rubbers or polymers.



**Rigaku NANOPIX mini
Benchtop SAXS Instrument**

Rigaku welcomes the opportunity to leverage its understanding of X-ray and complementary technologies to promote partnerships, dialog, and innovation within the global scientific and industrial communities and contribute to Analytica’s presentation of current trends and topics in the industry.

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on general-purpose analytical instrumentation and the life sciences. With hundreds of major innovations to their credit, Rigaku companies are world leaders in X-ray spectrometry, diffraction, and optics, as well as small molecule and protein crystallography and semiconductor metrology. Today, Rigaku employs over 1,400 people in the manufacturing and support of its analytical equipment, which is used in more than 90 countries around the world supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial communities.

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