

Press Release

Rigaku Presents Latest X-ray Analytical Instrumentation at 2018 ArabLab Conference

Rigaku Corporation
4-14-4, Sendagaya
Shibuya-Ku,
Tokyo 151-0051, JAPAN

Rigaku is showcasing its newest XRD and XRF instrumentation at the 2018 ArabLab conference in Dubai.

March 18, 2018 – Dubai, UAE. [Rigaku Corporation](#) is presenting its diverse lines of X-ray analytical instrumentation at the [2018 Arablab](#) exposition. [Arablab](#) is a trade show for the analytical instruments industry that reaches buyers from the growth markets such as the Middle East & Africa and the Indian Sub-Continent, as well as China & Asia. The conference takes place Sunday, 18 March through Wednesday, 21 March, 2018 at the Dubai International Convention & Exhibition Centre in Dubai, UAE.

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 at stand 965 in Hall S1.

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**

Also new from Rigaku is the [Rigaku SmartLab SE](#) system, a highly versatile multipurpose X-ray diffractometer with built-in intelligent guidance. The SmartLab® SE system offers continued refinement of the ease-of-use features that enabled the original SmartLab diffractometer to receive the coveted R&D 100 Award, including automatic alignment, component recognition, cross beam optics and a 2D detector.

The latest addition to the Rigaku ZSX Primus series of wavelength dispersive X-ray fluorescence (WDXRF) spectrometers is the [ZSX Primus IV](#) high-performance WDXRF spectrometer. Due to the instrument's tube-above optics, powder sample spills do not adversely affect the optical system. Since no protective film is required, intensity reduction due to film is avoided. The ZSX Primus IV system also includes a dedicated analyzing crystal, resulting in a 30% improvement in light element performance over conventional configurations and "ZSX Guidance" software and error prevention functionality.



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).

Optimized for sulfur analysis, the [Rigaku Micro-Z ULS](#) WDXRF analyzer is a benchtop spectrometer, compliant with ASTM D-2622. The atmosphere in the optics path of the Micro-Z ULS spectrometer is a vacuum, so helium gas is not required. The Micro-Z ULS sulfur analyzer is specifically designed for ultra-low level sulfur analysis of diesel and petrol (gasoline) fuels.

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.

For further information, contact:

Michael Nelson
Rigaku Global Marketing Group
tel: +1. 512-225-1796
michael.nelson@rigaku.com