Rigaku Presents Latest Analytical Technology at analytica virtual

Rigaku Europe SE
Hugenottenallee
167 63263 Neu-Isenburg,
Germany

Rigaku is exhibiting at analytica virtual – the 2020 International Trade Fair for Laboratory Technology, Analysis and Biotechnology

October 19, 2020 – Munich. Rigaku Corporation is pleased to announce its participation in the *27th international Trade Fair for Laboratory Technology, Analysis and Biotechnology* via analytica virtual, highlighting the latest developments, modern analytical instrumentation and techniques.

In response to the recent coronavirus outbreak and cancellation of live trade fairs globally, analytica will likewise not take place as a live trade fair this year, rather as a virtual, online event. The analytica virtual tradeshow will take place from October 19 to 23, 2020. The online event will be accessible around the clock, with over 1,000 listed companies and around 30,000 visitors sharing 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, handheld analyzers, X-ray optics and detectors, and is showcasing its latest X-ray analytical instrumentation at three virtual booths.

The Rigaku Europe SE virtual booth features XRD and wavelength dispersive X-ray fluorescence (WDXRF) systems.

Among the instruments featured is the sixth generation Rigaku MiniFlex benchtop X-ray diffraction diffractometer. It is a multipurpose benchtop XRD system able to determine crystalline phase identification and phase quantification and perform qualitative and quantitative analysis of polycrystalline materials.

The Rigaku SmartLab high-resolution X-ray diffractometer is an automated multipurpose XRD system features guidance software for powder diffraction, thin film metrology, SAXS, in-plane scattering and operando measurements.

6th Generation Rigaku MiniFlex benchtop X-ray Diffraction (XRD) spectrometer

Employed for both R&D and quality assurance (QA) functions, WDXRF systems from Rigaku are routinely used to analyze products from cement to plastics and from metals to food to semiconductor wafers.

Featured systems include the Rigaku Supermini200 analyzer. 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) in solids, liquids and powders. It delivers both high resolution and lower limits of detection (LLD), along with low cost-of-ownership.

The new high power Rigaku ZSX Primus IVi sequential WDXRF spectrometer features new ZSX Guidance expert system software, improved performance and a smaller footprint. It is especially suited for analysis of liquids, alloys, and plated metals.

Rigaku Supermini200 wavelength dispersive X-ray fluorescence spectrometer

Rigaku NEX DE VS variable spot Energy Dispersive X-ray Fluorescence spectrometer

The Applied Rigaku Technologies, Inc. (ART) booth features Energy Dispersive X-ray Fluorescence (EDXRF) systems for elemental analysis, including the Rigaku NEX DE VS variable spot size spectrometer. The unit delivers wide elemental coverage with easy-to-learn Windows®-based QuantEZ software.

The Rigaku line of process analyzers offer real-time, on-line process elemental analysis of aluminum (Al) through uranium (U) by EDXRF, coatings analysis for web or coil applications, and total sulfur measurement in petroleum and crude by X-ray transmission.

The Rigaku portfolio of handheld spectroscopic analyzers will be highlighted at the Rigaku Analytical Devices booth. These instruments are designed to perform material identification for various applications including safety and security, pharmaceutical manufacturing, and metal alloy verification, while being rugged and robust enough to handle the most hostile of environments.

Rigaku Progeny 1064nm Raman analyzer for raw material identification

Handheld analyzers from Rigaku utilize the 1064nm Raman advantage for more comprehensive analysis and fast results – in a matter of seconds. The Rigaku Progeny handheld analyzer is used by pharmaceutical manufacturers for raw material identification and finished product authentication. The Progeny ResQ Raman analyzer is designed to provide emergency responders, law enforcement agencies and the military with a comprehensive tool for rapid chemical threat identification, while the Rigaku ResQ CQL delivers identification and detection of chemical threats and narcotics in a new tactical design with improved ergonomics.

For rapid, precise metal alloy verification, the handheld Rigaku KT-100S analyzer utilizes laser induced breakdown spectroscopy (LIBS) to easily perform fast and safe identification of the most difficult alloy grades.

Rigaku supplies solutions for pharmaceutical, mining, cement, safety and security, scrap metal, quality and process control industries among others and is pleased to have this opportunity to leverage its understanding of X-ray and complementary technologies to promote partnerships, dialog, and innovation within the global scientific and industrial communities.

More information is available at www.rigaku.com/showcase/analytica2020.

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

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