Press Release

Applied Rigaku Technologies presents latest EDXRF solutions at PEFTEC 2015

Austin, TX – November 04, 2015. Applied Rigaku Technologies, Inc. (ART) will be presenting its line of energy dispersive X-ray fluorescence (EDXRF) instrumentation at the PEFTEC conference and exhibition (PEFTEC 2015) on November 18 -19, 2015 in Antwerp, Belgium, at the Antwerp Expo. The event is a focused international conference and exhibition for analytical chemists, scientists, process operators, laboratory personnel and Environmental Managers who work in around the petroleum, refining, chemical and petrochemical industries. EDXRF is employed for rapid non-destructive elemental analysis of crude, oils, gasoline, fuels, lubricants and waste materials. ART will be exhibiting its lines of EDXRF instrumentation at Booth # 50.

Among the benchtop elemental analysis products on display will be the new Rigaku NEX DE premium high-performance direct excitation EDXRF elemental analyzer and the Rigaku NEX QC+ high-resolution EDXRF spectrometer.

The new NEX DE analyzer was developed for heavy industrial applications and engineered to maximize flexibility and ease of use. It is equipped with a 60 kV, 12 W X-ray tube and advanced Peltier cooled silicon drift detector (SDD) for significant gains in elemental peak resolution and counting statistics, to deliver superior calibrations and precision for the most challenging measurements.

Rigaku NEX DE - Energy Dispersive X-ray Fluorescence Spectrometer

The system operates on the latest Rigaku QuantEZ analytical software, specifically designed for the Rigaku family of benchtop EDXRF analyzers. Running under the Microsoft Windows operating system, on a laptop or benchtop personal computer (PC), the software offers all the functions required for calibration and routine operation.

Rigaku NEX QC+ Energy Dispersive X-ray Fluorescence Spectrometer

The NEX QC+ spectrometer is a compact elemental analyzer that delivers rapid quantitative determination of sodium ($_{11}$Na) to uranium ($_{92}$U) in solids, liquids, powders and alloys. Specifically designed for routine quality control applications, the NEX QC+ features an intuitive “icon-driven” touch screen interface and built-in printer for easy operation and convenience. The 50 kV X-ray tube and Peltier cooled silicon drift detector (SDD) deliver outstanding repeatability and long-term reproducibility with excellent element peak resolution.

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In addition to its line of benchtop EDXRF analyzers, the ART division will be presenting the Rigaku NEX OL EDXRF process analyzer, for on-line, multi-element analysis of process liquids including Sulfur in Fuels. The 50 kV X-ray tube and Peltier cooled silicon drift detector (SDD) X-ray optics are also effective for coating thickness and elemental composition in web and coil applications. Featuring advanced third generation EDXRF technology, the advanced NEX OL analyzer represents the next evolution of elemental analysis for liquid stream and fixed position web or coil applications.

Rigaku NEX OL –
Process Elemental Analyzer

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 life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,100 people globally and its products are in use in more than 70 countries – supporting research, development, production control and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial community.

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