

Press Release

Applied Rigaku Technologies presents latest EDXRF solutions at the 2015 Gulf Coast Conference (GCC)

Austin, TX – September 28, 2015. [Applied Rigaku Technologies, Inc.](#) (ART) will be presenting its line of energy dispersive X-ray fluorescence (EDXRF) instrumentation at the [2015 Gulf Coast Conference](#) (GCC 2015) in Galveston, Texas, taking place Tuesday, October 20, 2015 through Wednesday, October 21, 2015. The conference highlights chemical analysis technology associated with petrochemical, refining, and environmental sectors. EDXRF is employed for rapid non-destructive elemental analysis of chlorine, lead, sulfur and metals in crude, oils, gasoline, fuels, lubricants and waste materials. ART will be exhibiting its lines of EDXRF instrumentation at Booth # 434.

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

The NEX QC+ spectrometer is a compact elemental analyzer that delivers rapid quantitative determination of sodium ($_{11}\text{Na}$) to uranium ($_{92}\text{U}$) 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.



Rigaku NEX QC+ Energy Dispersive X-ray Fluorescence Spectrometer



Rigaku NEX DE - Energy Dispersive X-ray Fluorescence 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 to deliver significant gains in elemental peak resolution and counting statistics, resulting in superior calibrations and precision for the most challenging measurements.

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.

The ART division is also displaying the [Rigaku NEX OL](#) EDXRF process analyzer, for on-line, multi-element analysis in process liquids. It is 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.

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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**Rigaku NEX OL –
Process Elemental Analyzer**