# Press Release

## Applied Rigaku Technologies presents latest EDXRF instrumentation at Pittcon 2014

**March 3, 2014 – Austin, Texas.** Applied Rigaku Technologies, Inc., a division of Rigaku Corporation, is pleased to announce its attendance at the 65th annual Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2014), held March 2 - 6, 2014 at McCormick Place, Chicago, IL, USA.

ART will present its array of energy dispersive X-Ray fluorescence (EDXRF) elemental analysis instrumentation at Booth #2355. ART designs and manufactures benchtop EDXRF analyzers for non-destructive analytical chemistry applications, including atomic spectroscopy and both quantitative and qualitative elemental analysis.

Among the instruments featured will be the new low-cost benchtop EDXRF spectrometer, the Rigaku NEX QC+, 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 new 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) offer exceptional repeatability and long-term reproducibility with excellent element peak resolution.

On display as well will be the Rigaku NEX CG spectrometer, a powerful advanced Cartesian geometry EDXRF analyzer designed to deliver rapid qualitative and quantitative determination of major and minor atomic elements across a wide variety of sample types. Unlike conventional EDXRF analyzers, the NEX CG was engineered with a unique close-coupled Cartesian Geometry (CG) optical kernel that dramatically increases signal to noise. By using secondary target excitation instead of conventional direct excitation, sensitivity is further improved.

The ART division is also presenting the Rigaku NEX OL EDXRF process analyzer. Featuring advanced third generation EDXRF technology, the Rigaku NEX OL is a new and advanced instrument for on-line, multi-element analysis of aluminum ($^{13}$Al) to uranium ($^{92}$U) in process liquids or for coating thickness and elemental composition in web and coil applications. The Rigaku NEX OL is designed to span from heavy industrial through to food grade process gauging solutions, and is configurable for use in both classified and non-classified areas.

**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 in the manufacture and support of its analytical equipment. Its products are in use in more than 70 countries – supporting research, development, 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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