Press Release

Rigaku introduces new NEX QC VS small spot benchtop EDXRF elemental analyzer

Austin, TX – March 12, 2011. Rigaku today introduced a new low cost benchtop Energy Dispersive X-ray Fluorescence (EDXRF) spectrometer with variable analysis spot size, the Rigaku NEX QC VS, at the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2012). This compact elemental analyzer delivers rapid quantitative determination of sodium (^{11}Na) to uranium (^{92}U) in solids, liquids, powders and thin films, and was specifically designed to serve the RoHS and jewelry markets.

The NEX QC VS elemental analyzer features a single-position sample stage with three analysis spot size options – 3 mm, 8 mm and 14 mm – that are easily changeable. Large irregular objects, as well as small items, are accommodated by the large 190 x 165 x 60 mm sample chamber. A 1.3 megapixel CMOS camera and LED lighting system allows a sample to be visualized on the smart-phone like touch screen interface. For complete clarity and optimal sample alignment, the region to be analyzed is marked on the real-time image by a reticle. An optional fundamental parameters (FP) software module is available to reduce the number of standards required for calibration.

Featuring an intuitive icon-driven touch screen interface for easy operation and a built-in printer for convenience, the Rigaku NEX QC VS optical kernel is based on a shuttered 50 kV X-ray tube and Peltier cooled semiconductor detector, designed to deliver exceptional short-term repeatability and long-term reproducibility with excellent element peak resolution. This high voltage capability (50 kV), along with multiple automated X-ray tube filters, provides a wide range of applications versatility and low limits-of-detection (LOD). In addition to fundamental parameters, other options for the NEX QC VS model include: automatic sample changer, sample spinner, a hardened roll-around transport case and helium purge for enhanced light element sensitivity.

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.

For further information, contact:

Scott Fess
Product Manager - EDX
Applied Rigaku Technologies, Inc.
tel: (+1) 512-225-1796
scott.fess@rigaku.com