Rigaku Features Latest Instruments at Expomin 2016

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Rigaku is presenting its latest analytical X-ray solutions for the mining industry at the 2016 World Mining Exhibition and Congress for Latin America

April 27, 2016 – Santiago, Chile. Rigaku Corporation is pleased to announce its attendance at the XIV World Mining Exhibition and Congress for Latin America(Expomin) this week through April 29, 2016 in Santiago Chile. Rigaku is presenting its current line of analytical X-ray instrumentation at booth #352, Hall 1B at the Espacio Riesco Convention and Events Center

Expomin is the largest mining expo in the world outside of the United States, and the most important in Latin America. The conference brings together a diverse range of technology, equipment, machines, services and suppliers for the national and Latin American mining industries, including participants representing more than 1,600 suppliers from 36 countries around the world, along with an estimated 80,000 attendees. The meeting highlights innovation and technological solutions for the production process sought by today's mining industry.

X-ray analytical equipment is routinely used by geologists to analyze the composition and molecular structure of rock and mineral samples. In recent years, X-ray analytical techniques have become more powerful with small spot excitation, mapping, and standardless quantitative analysis.

Among the analytical instrumentation being presented by Rigaku is the new Rigaku ZSX Primus IV "Tube Above" high-performance wavelength dispersive X-ray fluorescence (WDXRF) spectrometer. Introduced in March of this year, the ZSX Primus IV delivers rapid quantitative determination of major and minor atomic elements, from beryllium (Be) through uranium (U), in a wide variety of sample types — with minimal standards.

Also featured at the event is the Rigaku MiniFlex benchtop X-ray diffraction (XRD) instrument. The fifth generation MiniFlex is a general purpose X-ray diffractometer that is typically employed to quantitatively measure phase composition.

The Rigaku Supermini200 is the world's only high-power benchtop sequential WDXRFspectrometer for elemental analysis. The Supermini200 delivers high sensitivity for light elements with superior spectral resolution, easily analyzing low concentration levels of light elements (F, Na, Mg, Ca, Si, Al, and P).

Rigaku Micro-Z ULS WDXRF sulfur (S) analyzer is designed for ultra-low level sulfur analysis of diesel, petrol (gasoline) and other fuels. Specifically designed for non-technical users, all operations – from calibration through routine analysis – can be performed via the easy-to-use interface.

Long having been utilized for geological research, X-ray analytical techniques have become more powerful with small spot excitation, mapping, and standardless quantitative analysis. More information about XRD and XRF technologies for phase and elemental analysis in mining, refining and geological research can be found at www.rigaku.com/industry/mining

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 70 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.

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