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Rigaku presents latest X-ray analytical instrumentation at GSA 2017

Rigaku will showcase its latest XRD and XRF technology at the 2017 Geological Society of America conference

October 23, 2017 – Seattle, WA. [Rigaku Corporation](#) is presenting its diverse lines of X-ray diffraction (XRD) and X-ray fluorescence (XRF) instrumentation at the Geological Society of America 129th Annual Meeting ([GSA 2017](#)). The conference hosts geological scientists from academic, government, business, and industry sectors, and takes place October 22-25, 2017 at the Washington State Convention Center in Seattle, Washington.

Rigaku, a global leader in X-ray analytical instrumentation, manufactures X-ray diffraction ([XRD](#)) and X-ray fluorescence ([XRF](#)) instruments for research, testing, industrial process control, and product development, and will be exhibiting at the conference at booth # 237.

X-ray analysis techniques are routinely employed in geological research. Wavelength dispersive XRF instrumentation enables chemical composition mapping through the use of small analyzing areas and an XY-stage enabling multiple measurements of a sample. XRD is utilized to quantitatively measure phase composition. For quantitative crystalline phase determination, Rietveld analysis of X-ray diffraction data is one of the most powerful methods available. Rigaku technology and expertise provide many valuable, effective solutions for these types of analyses.

Among the instruments presented is the new sixth generation [Rigaku MiniFlex](#) benchtop X-ray diffractometer. The new MiniFlex X-ray diffractometer is a multipurpose analytical instrument that can determine: phase identification and quantification, percent crystallinity, crystallite size and strain, lattice parameter refinement, Rietveld refinement, and molecular structure. It delivers speed and sensitivity through innovative technology advances, including the Hypix-400 2D hybrid pixel array detector (HPAD) together with an available 600 W X-ray source and new 8-position automatic sample changer.

More information about geological and mineralogical analysis solutions from Rigaku is available at <http://www.rigaku.com/en/industry/geology>



**Rigaku MiniFlex Benchtop
X-ray Diffraction (XRD)
Spectrometer**



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 90 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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