



NEWS RELEASE

Bruker Launches the S6 JAGUAR™ Benchtop WDXRF System for Elemental Analysis in Industry and Academia

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FRANKFURT, Germany, June 11, 2018 /PRNewswire/ -- At ACHEMA 2018, Bruker today announces the launch of the new **S6 JAGUAR™**, an exceptionally powerful and versatile benchtop Wavelength Dispersive X-Ray Fluorescence (WDXRF) spectrometer. The **S6 JAGUAR** extends Bruker's range of XRF instruments by closing the gap between floor standing WDXRF and benchtop EDXRF instruments. It combines excellent analytical performance based on cutting-edge technology with compact size and 'plug & analyze' installations.

The **S6 JAGUAR** outperforms other compact WDXRF instruments by offering highest sensitivity and 50% reduction in measurement times, due to its compact WDXRF goniometer, closely coupled X-ray optics, and 400 Watt excitation power. Based on the novel, solid-state **HighSense XE™** detector with linear range of two million counts per second, the **S6 JAGUAR** delivers excellent accuracy and precision for quality control in industrial labs for minerals, mining, chemistry, petro-chemistry, and cement. The **S6 JAGUAR** components are protected by Bruker's **SampleCare™** technology, ensuring high instrument uptime and low cost of operation, also when running liquid or powder samples.

The compact WDXRF goniometer combined with the **HighSense** detector enhance both sensitivity and spectral resolution, providing great flexibility and performance for academic and industrial materials research. With up to four sample masks for different sample sizes, up to four analyzer crystals, and two detectors, the **S6 JAGUAR** enables fast multi-element analysis for the concentration range from ppm to 100%.

SPECTRA.ELEMENTS™, the new **S6 JAGUAR** software, provides quick setup of applications, enhanced evaluation, and comprehensive reporting. The standardless quantification software **SMART-QUANT WD™** delivers accurate results, even for unknown samples, based on powerful fundamental parameter algorithms.

Bruker's multilingual **TouchControl™** interface and **EasyLoader™** sample handling ensure intuitive, fail-safe operation. In addition to its broad application range, the **S6 JAGUAR** is suited for minerals and cement with the ready-to-analyze solutions **GEO-QUANT Basic™** and **CEMENT-QUANT™**. Pre-calibrated application packages and minimum installation requirements, using standard electrical outlets, and not requiring compressed air, make the **S6 JAGUAR** a 'plug & analyze' tool. The **AXSCOM™** automation interface enables integration of the **S6 JAGUAR** into automated industrial laboratories.

Dr. Kai Behrens, the Bruker XRF Product Line Manager, commented: "The speed and analytical flexibility of the **S6 JAGUAR** are unique in its class. Analytical precision and accuracy based on 400W excitation power in its small benchtop form factor make the **S6 JAGUAR** an excellent WDXRF analyzer for industrial research and QC, as well as for academic and government research laboratories."

For more information about the **S6 JAGUAR**, please visit www.bruker.com/s6jaguar.

About Bruker Corporation (NASDAQ: BRKR)

Bruker is enabling scientists to make breakthrough discoveries and develop new applications that improve the quality of human life. Bruker's high-performance scientific instruments and high-value analytical and diagnostic solutions enable scientists to explore life and materials at molecular, cellular and microscopic levels. In close cooperation with our customers, Bruker is enabling innovation, improved productivity and customer success in life science molecular research, in applied and pharma applications, in microscopy and nanoanalysis, and in industrial applications, as well as in cell biology, preclinical imaging, clinical phenomics and proteomics research and clinical microbiology. For more information, please visit: www.bruker.com.

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