



Bruker **AXS** Inc.

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Bruker AXS Introduces New S8 LION™ Simultaneous WDXRF Spectrometer for Cement, Minerals and Mining Applications

CHICAGO, Illinois -- March 9, 2009 – At Pittcon® 2009, Bruker AXS today introduced the *S8 LION*™ simultaneous WDXRF spectrometer for process and quality control in the cement, minerals and mining industries. The *S8 LION* is an innovative high-end industrial grade system which combines ease-of-use with analytical speed and highest reliability. It is designed and built for precise high speed elemental analysis, and it can simultaneously measure up to 16 elements with precision of 0.05% (RSD) and with a time-to-result of less than 60 seconds. All applicable industry standards, like ASTM C-114, are easily matched or exceeded.

The *S8 LION* also has the ability to measure the free-lime (CaO) concentration in raw materials, intermediate compounds and final products like cement and industrial minerals. With a footprint less than 1 m², the *S8 LION* is the most compact high-performance simultaneous WDXRF spectrometer in the market, allowing simple integration into any laboratory and process automation.

The *S8 LION* integrates Bruker's unique *TouchControl*™ and *SampleCare*™ features for extreme ease of use and reliability. *TouchControl* enables simple and essentially fail-safe operation via the integrated touch screen requiring no training for users. Several languages for the user interface are available, such as English, Spanish, Chinese, Russian and Portuguese. *SampleCare* ensures maximum uptime and availability with the tube-above-sample setup to protect the *S8 LION* against contamination.



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The ease of use with *TouchControl* and *SampleCare* technology, as well as the new unique free-lime channel, which integrates XRD capabilities into the XRF spectrometer, make the *S8 LION* the perfect tool for cement companies to run their processes more efficiently, saving energy costs and reducing their CO₂ emission.

To ensure highest stability and uptime, Bruker AXS has conducted beta-tests at selected customer sites in 2008. Mr. Raimund Kotanko, Lab Manager at Gmundner Zement in Austria, has been working with the *S8 LION* for four months, and commented: “We have successfully integrated the *S8 LION* into our QC system and we are very pleased with the speed, accuracy and reliability of the instrument. The *S8 LION* is exactly the industrial, simultaneous XRF spectrometer we have been waiting for.”

Dr Kai Behrens, Product Manager XRF at Bruker AXS, explained further: “The *S8 LION* is completing Bruker’s new generation of high performance and robust wavelength dispersive spectrometers, ranging from the *S8 TIGER*TM sequential XRF spectrometer to the new *S8 LION* simultaneous spectrometer.”

For Further Information:

Angie Grossen
Marketing Communications Manager, Bruker AXS
Tel: +1 (608) 276-3045
angie.grossen@bruker-axs.com