Bruker AXS Inc.

Pittcon® 2009 **FOR IMMEDIATE RELEASE**
March 9-12, 2009
Bruker Booth # 4254

Bruker AXS Introduces the S1 TURBO^{SD}, a Revolutionary High-Performance Handheld XRF for Dramatically Improved Speed, Energy Resolution and Light Element Analysis

CHICAGO, Illinois -- March 9, 2009 – At Pittcon® 2009, Bruker AXS introduces the ***S1 TURBO^{SD}*** (TM) handheld XRF system as a second-generation Silicon Drift Detector (SDD) based elemental analyzer. In June 2008, Bruker announced the world's first handheld XRF instrument using SDD technology, based on the proprietary Bruker ***X-Flash***® SDD, for extremely rapid alloy analysis with Grade ID in one second, and complete analysis in 2-3 seconds. Its large area ***X-Flash*** SDD maintains outstanding energy resolution even at high count rates, resulting in operation that is 3-5 times faster than traditional handheld XRF units.

Importantly, the ***X-Flash*** SDD detector technology also allows the measurement of light elements like Mg, Al and Si, without any need for vacuum or helium atmosphere.

The new ***S1 TURBO^{SD}*** is designed to be very rugged and easy to use in the field, incorporating numerous further analytical improvements, based on customer feedback. The user interface is very simple, and when operated in Universal Mode requires no user input. The analyzer offers true point-and-shoot operation, and requires no set-up by the user. Its unique Universal Mode automatically identifies the type of metal being measured and selects the best calibration available for the analysis. If desired, advanced users can customize the operation of the analyzer and add grade definitions to the analyzer.

Mr. John Landefeld, Vice President of Bruker AXS Handheld, commented: "The ***S1 TURBO^{SD}*** is a continuation of our tradition of technology leadership in handheld XRF instrument design, which is based upon real customer needs and feedback. The ***S1 TURBO^{SD} X-Flash*** detector technology establishes Bruker's technology leadership in handheld XRF instrumentation."

For Further Information:

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