Katana Offers Superior Identification of Light Elements in Metal and Alloy Applications

Rigaku Analytical Devices launches the new best in class handheld alloy analyzer for use in industrial environments

Wilmington, Massachusetts July 29, 2015 – Rigaku Analytical Devices, a leading pioneer of handheld and portable spectroscopic analyzers, has announced the launch of Katana™, a handheld laser-induced breakdown spectroscopy (LIBS) analyzer. Katana enables durable and accurate alloy identification for use in scrap metal sorting, quality assurance in metal fabrication, and positive material identification in petrochemical operations. The device was engineered to address the analysis and usability gaps that similar handheld metal analyzers do not meet. Katana provides an alternative for more accurate identification of a larger number of alloys, in a truly ruggedized form factor.

Designed for on-the-spot identification of the most difficult alloys, including aluminum grades, Katana has powerful analytical capabilities, offering results with QuickID™ software in less than two seconds – at the touch of a button. Katana has an IP 54 rating, protecting against dusty and harsh work environments encountered in scrap recycling yards. Integrating proprietary breakthrough laser ablation & detection engine (BLADE™) technology means Katana is considerably smaller and lighter than many other handheld LIBS and XRF analyzers currently available on the market. With an extended battery life, Katana is more robust and less susceptible to fatigue and downtime, which is critical for on and off-site operations. Furthermore, the GPS and macro-camera allow for instrument and sample tracking.

“The ability to accurately classify metals is of paramount importance to various metal applications to ensure profitability and product quality. We developed Katana to directly address the needs of the metal analyst, regardless of location or environment,” said David Mercuro, GM/VP of the Elemental business at Rigaku Analytical Devices. “We identified the weaknesses in existing technologies, as well as the unmet needs of the end user and utilized the information to design and manufacture a device which performs efficiently and reliably. We have been developing both laboratory and field equipment for many years, and the combination of our expertise and the quality of our instruments is well known within the scientific instrumentation space. Having built a solid reputation in the analytical world, we are confident that we can firmly establish Rigaku and Katana as the premier solution for handheld metal identification applications.”

Rigaku Corporation has considerable experience developing benchtop analysis equipment for the identification of metals and alloys. Rigaku Analytical Devices has utilized its knowledge of producing handheld and portable technology to develop tools with simplified controls and increased ease of use.

For more information on Katana, please visit www.rigakuanalytical.com.

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About Rigaku Analytical Devices

Rigaku Analytical Devices is leading with innovation to pioneer a portfolio of handheld and portable spectroscopic analyzers for use in the protection of public health and safety, aid in the advancement of scientific and academic study, enable the recycle and reuse of metal alloys, and ensure quality of key metal alloy components in mission critical industries. Our core goal is to be recognized globally for quality, reliability and expertise in all aspects of our business through our commitment to exceed our customers' expectations by providing technologically advanced products. The foundation of our company is our talented team, dedicated to continual product development efforts that improve performance and functionality, resulting in reliable, cost-effective solutions for the end user. Our rugged products utilize integrated software that combines an open architecture platform with user defined settings, delivering unparalleled accuracy and extensive application support, empowering our customers to achieve rapid lab-quality results any time, any place.

For further press information please contact: Holly Jobbins, The Scott Partnership, 1, Whiteside, Station Road, Holmes Chapel, Cheshire, CW4 8AA, United Kingdom Tel: + 44 1477 539539 Fax: +44 1477 539540 Email to: rigaku@scottpr.com