Rigaku KT Series Improves Handheld LIBS Capabilities for Performance-Sensitive Metal and Alloy Industries

Rigaku Analytical Devices showcases upgraded handheld alloy analyzer for use in metal recycling, quality control and positive material identification applications at FABTECH Expo 2017

Chicago, IL November 6, 2017 – Rigaku Analytical Devices, a leading pioneer of handheld and portable spectroscopic analyzers, announces its previously released handheld laser induced breakdown spectroscopy (LIBS) metal analyzer has been improved and is faster than before. KT Series analyzers enable durable and accurate alloy identification for use in industrial environments and will be demonstrated at the FABTECH Expo November 6-8, 2017 at McCormick Place in Chicago, IL USA. The KT-100S is an upgrade to the previously released KT-100 LIBS analyzer, which was released in September 2015. The new KT-100S expands the use of handheld LIBS (HHLIBS) for use in more difficult applications, such as recycling, fabrication, aerospace, automotive and refineries, especially for the analysis and separation of most non-ferrous alloys.

Designed to fill the performance and feature gaps of traditional analysis methods, such as handheld x-ray fluorescence (HHXRF), the KT-100S offers improved solutions for more convenient, on-the-spot identification of the most difficult alloys. By incorporating a second generation spectrometer that produces higher throughput and better resolution, the user can expect better detection limits and the ability to analyzer more alloys. This includes better precision for low alloy steels, stainless steels, as well as high temperature alloys and the added detection of lithium (Li).

Another major benefit to the user is that because the KT Series of handheld LIBS analyzers utilizes a laser excitation source, there is minimal to no regulatory licensing requirements.

“We are committed to continuously improving our handheld analytical capabilities,” said Bree Allen, President at Rigaku Analytical Devices. “We built a solid reputation for handheld LIBS with the launch of our KT-100 analyzer in 2015, and now the KT-100S will exemplify the same innovation and quality the Rigaku brand is known for.”

Key features of the KT-100S include:

- Excellent ergonomics and simple software interface: ease of use
- Identifies light elements, as well as any base alloy with a 2-4 second analysis time: saves time and money
- Built for the toughest environment with MIL-STD 810G certification: no costly repair bills / low cost of ownership
- No x-ray radiation exposure: increased safety and minimal regulatory licensing
- Long battery life: avoids interruptions

For more information on the KT-100S, please visit www.rigaku.com/KT100S

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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.

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