

Rigaku Analytical Devices Publishes New Application Note for Positive Material Identification of Metal Alloys using Handheld LIBS

A new application note from Rigaku demonstrates a handheld solution for precise identification and verification of metal alloys in mission-critical applications.

Wilmington, Massachusetts, July 19, 2018 – [Rigaku Analytical Devices](#) announces a new application study that describes the use of the handheld [KT-100S](#) laser induced breakdown spectroscopy (LIBS) analyzer for positive material identification (PMI) and verification of metal alloys used in various industries, such as petrochemical, power generation, and aerospace.

The application study presents precision data for common alloys used in petrochemical and power plants – including low alloy steels, stainless steels, and nickel and copper alloys.

Alloy component traceability is more critical than ever. From petrochemical to power generation to aerospace, PMI and verification programs can eliminate alloy mix-ups, improve product quality, and prevent injuries. PMI ensures that the specified alloy is used for every component and is of the correct material. Parts made of the wrong alloy can corrode or wear more rapidly than expected.

In many fields, the use of portable and handheld analyzers is considered standard practice. The KT-100S LIBS analyzer offers a new handheld solution that answers many of the issues and concerns presented by current technology. The KT-100S analyzer provides industry-leading features and precise analysis wherever needed. The included alloy grade library includes most common grades use in refineries and other production environments.

A copy of this application note can be requested at <https://www.rigaku.com/en/products/lib/katana/app003>



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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 public health and safety, scientific and academic study, recycling and reuse of metal alloys, and to ensure the quality of key metal alloy components in critical industries. We strive to deliver quality, reliability and engaged expertise to our customers with our advanced product and capabilities and are dedicated to continual product development efforts to deliver mission critical enhancements to performance and functionality and reliable, cost-effective solutions for end users. Our rugged products operate on an open architecture platform and deliver unparalleled accuracy and support for rapid lab-quality results any time, any place.

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