# Press Release

## Rigaku Corporation presents the Smart Sample Loading System for use on its ZSX Primus wavelength dispersive X-ray spectrometers

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**March 19, 2014 – Tokyo, Japan.** Rigaku Corporation is pleased to announce the introduction of the new Smart Sample Loading System for use on its ZSX Primus wavelength dispersive X-ray fluorescence (WDXRF) spectrometers. The Smart Sample Loading System has been developed in response to market needs for higher unattended throughput and improved accuracy of data transmission to reduce or eliminate sample tracking errors.

The Smart Sample Loading System is designed to allow holderless sample handling on deck on the ZSX Primus WDXRF platform. With the new system, the samples are placed face down on the deck in stadium placeholders designed to maintain the analytical integrity of the analysis surface while accommodating the maximum number of analyzable samples on the deck for automated analysis.

The new sample loading system offers:

• Improved productivity because of the increase in the number of samples on deck at any given time and the direct transfer of the samples to the analysis port
• Flexible combination of sample trays to accommodate different sizes and types of samples
• Automated analysis interface via the ZSX software, which can communicate with analytical system control computers, enabling continuous sample feed from automated sample preparation systems.
• Optional integrated barcode reader to reduce labor requirements and improve data transcription accuracy.

The Smart Sample Loading System completes Rigaku's line of automation solutions on their high-throughput WDXRF spectrometers and renders all Rigaku spectrometers capable of variable levels of automation to suit customers' throughput and data accuracy needs.

**About Rigaku**
Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,100 people in the manufacture and support of its analytical equipment. Its products are in use in more than 70 countries – supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial community.

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