

Press Release



Rigaku Introduces New Central Software Platform that Simplifies X-ray Analysis

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July 23, 2013 – Tokyo, Japan. Rigaku Corporation is pleased to announce a new software product, SmartStudio, which acts as a centralized command center for operating Rigaku's top of the line [SmartLab X-ray diffractometer](#), as well as carrying out all of the post-measurement analysis calculations from a centralized user interface.

SmartStudio is a platform that seamlessly integrates the software modules that operate the SmartLab diffractometer as well as analyze data generated by the SmartLab. It enhances the communication between the application software modules and increases ease of use. Data generated from one application module can be sent to another software module with a single mouse click using the Launcher, an interface that serves as the starting point for application software modules. When the user selects a data file, the applications available for launch will be displayed. Various processes from measurement to analysis are automatically executed by use of a recipe function. Using SmartStudio as the central point of all data measurement and analysis allows for a much more efficient workflow and fewer possibilities for errors.

The data acquisition module, Guidance, is unique in the field of X-ray diffraction in that the user only has to select the type of measurement to be made. The software then suggests the hardware configuration to be installed, checks that the proper configuration is actually installed, sets data acquisition parameters, performs an automatic instrument alignment, aligns the sample, makes a preliminary measurement to fine-tune the data measurement settings and then makes the measurement. This powerful software module is invaluable for new users and as acts as an error prevention system for experienced users.

For data analysis, Smart Studio supports a multitude of modules for powder diffraction and thin film analysis. The Smart Studio command center makes it easy for a user to move among the various analysis modules, saving time and reducing errors.

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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