Rigaku highlights newest XRM and CT technology at 2018 Microscopy & Microanalysis meeting

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Rigaku to showcase its latest analytical instrumentation at M&M 2018

August 5, 2018 – Baltimore, MD. X-ray analytical instrument manufacturer Rigaku Corporation is pleased to announce its attendance at the Microscopy & Microanalysis 2018 Meeting (M&M 2018), being held Sunday, August 5, 2018 through Thursday, August 9, 2018 in Baltimore, MD. All M&M 2018 symposia, workshops and official events will be held at the Baltimore Convention Center.

The Microscopy & Microanalysis Meeting features a wide range of microscopy and microanalysis techniques and their application to the biological and physical sciences. It is the world's largest scientific gathering of microscopy and microanalysis professionals, academics, technicians, students and exhibitors. Rigaku, a global leader in X-ray analytical technology, is representing its current X-ray microscopy (XRM) and computed tomography (CT) solutions at ***booth 1428***.

XRM and CT equipment from Rigaku enable nondestructive analysis of large samples at high resolution. X-ray microscopy is suited to a range of materials, from low-density substances such as biological samples to high-density materials such as ceramics and steels.

The Rigaku nano3DX X-ray microscope images an entire sample from multiple angles. In doing so, it can reconstruct a 3D image at 0.27 µm resolution. Thanks to its wide field of view, the nano3DX is able to measure volumes up to 25 times larger in a single scan compared to other systems at similar resolutions in comparable time frames. Applications for the nano3DX range from materials science to electronics and semiconductors to mining and minerals exploration to life sciences and pharmaceuticals.

The Rigaku nano3DX X-ray microscope

Computed tomography (CT) reveals, at high-speed, the high-resolution, three dimensional structure of an object by means of computer-processed combinations of numerous X-ray images taken from different angles. The Rigaku CT Lab GX industrial 3D X-ray micro computed tomography imager is an ultra-high-speed, high-resolution 3D CT suited for measurements of pharmaceuticals, medical devices, bones, ores, electronic devices, batteries, aluminum castings, and printed circuit boards. It offers the latest 3D CT technology enabling measurement of industrial products in a short period of time.

The Rigaku CT Lab GX 3D X-ray micro CT imager

More information about x-ray tomography and other non-destructive testing (NDT) solutions from Rigaku is available at https://www.rigaku.com/products/ndt.

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 general-purpose analytical instrumentation and the life sciences. With hundreds of major innovations to their credit, Rigaku companies are world leaders in X-ray spectrometry, diffraction, and optics, as well as small molecule and protein crystallography and semiconductor metrology. Today, Rigaku employs over 1,400 people in the manufacturing and support of its analytical equipment, which is used in more than 70 countries around the world supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial communities.

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