

## Press Release

# The world's most advanced lab X-ray source advances even further

The Woodlands, TX – November 12, 2012. Rigaku Corporation introduced the new FR-X rotating anode X-ray source at the 2012 meeting of the PSDI (Protein Structure Determination in Industry) meeting being held in Chantilly, France November 11-13. The FR-X was designed to be utilized in structural biology and material science, and produces the highest usable X-ray flux available to the laboratory researcher. The new generator provides 20% more flux compared to the previous model, and a new direct-drive anode design reduces maintenance expense considerably. The dual port design of the FR-X, coupled with an optional dual wavelength anode, provides the ultimate in experimental flexibility and end station utilization.

Rigaku introduced the first rotating anode X-ray generator in 1952 and has continuously advanced the technology since. Ninety percent of the protein structures deposited in the Protein Databank (PDB) that was determined in a home lab was solved from data measured with a Rigaku rotating anode source.



Rigaku FR-X ultra-high-intensity microfocus rotating anode X-ray generator

### 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 1,100 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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