

SAXS portfolio @ Rigaku

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Rigaku Corporation is the world largest X-ray instrument dedicated company. With more the 1400 employees worldwide, it is the world leading innovation company specified on X-ray scientific and industrial instrumentation. Covering a broad range of instrumentation from XRD, XRF, SAXS, X-ray sources (micro sources and rotating anodes) to small molecule instrumentation.

The SAXS portfolio from Rigaku contains XRD instrumentation which can be extended to SAXS experiments like the Ultima IV and the SmartLab system to specialized SAXS instrumentation like the NanoMax, NanoMax IQ and the S – MAX 3000.

In collaboration with the user community, Rigaku introduced several instrumental options unique in the SAXS market. The S – Max 3000 is the only SAXS instrument offering two sample chambers (WAXS and SAXS simultaneously), an 80 mm sample chamber offset for q – value extension ($0.00464 \text{ \AA}^{-1} - 4.85 \text{ \AA}^{-1}$) and a patented 2D Kratky block for beam divergence reduction and flux adjustment. In combination with the Rigaku strongest laboratory source (FR-E rotating anode), delivering almost a bending magnet flux, the user can investigate all of sample types.