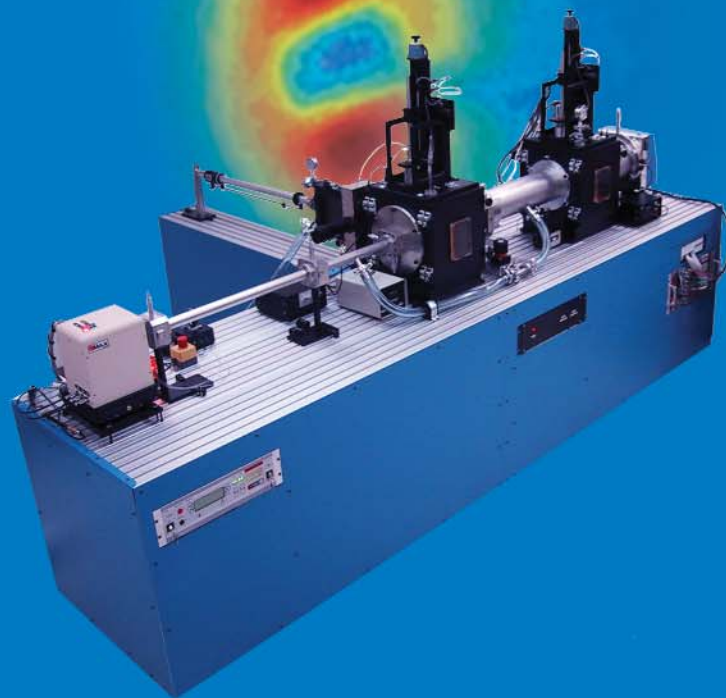




S-Max3000

Pinhole SAXS Camera

Small angle X-ray scattering solutions

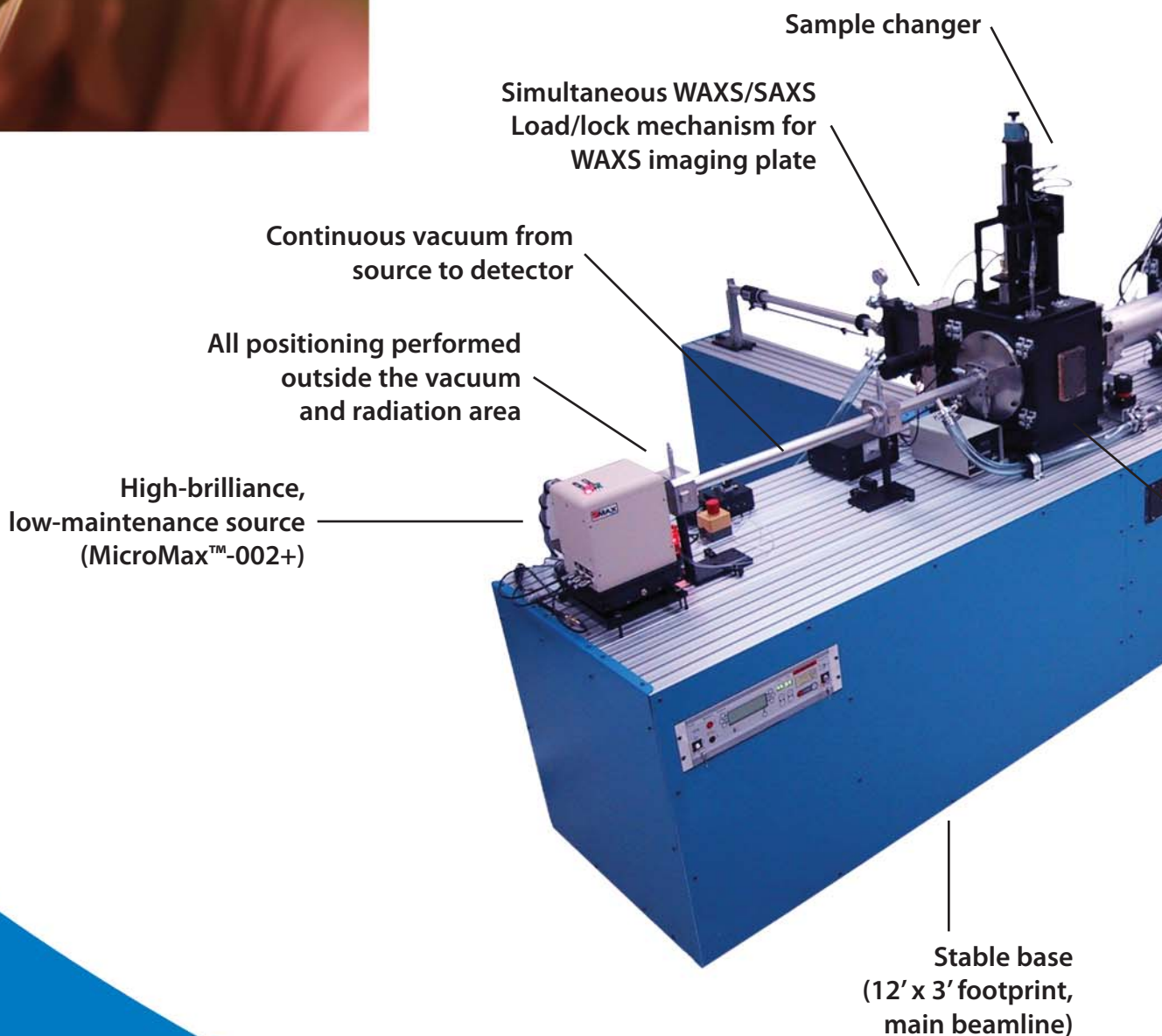




Our small angle X-ray scanner gives you the greatest flexibility

Our instruments feature:

- User variable scattering resolution/range
- Highest flux in a lab system
- Larger multiwire detector area for increased scattering range



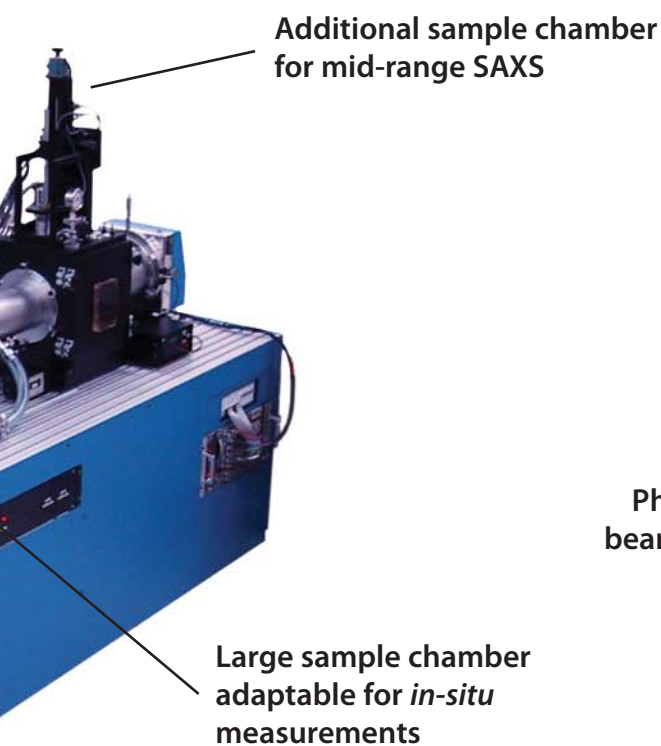
Rigaku

Leading With Innovation

Scattering tools give high flux and precision

Options:

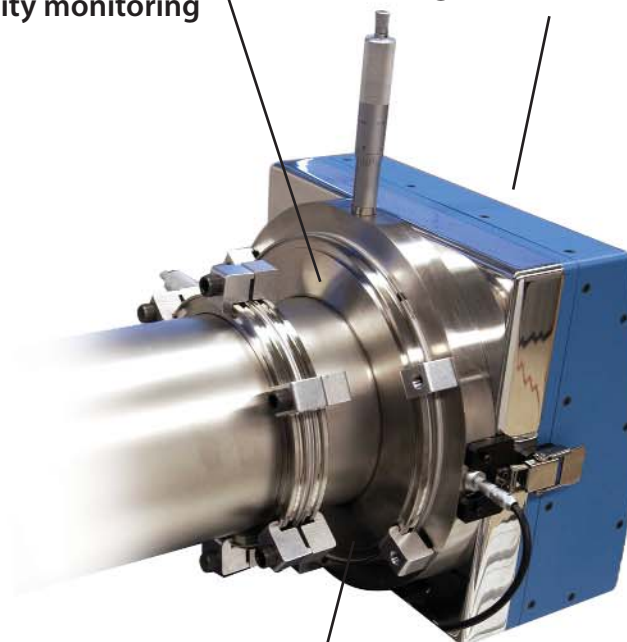
- Simultaneous SAXS/WAXS
- Sample environmental control
- Solution scattering



Photodiode embedded beamstop for continuous intensity monitoring

2D detector (gas-filled multiwire type)

User replaceable beamstop



System specifications

Sources:	MicroMax-007 HF or MicroMax-002+
Optic:	Osmic Confocal Max-Flux® for SAXS
Pinholes:	3 pinholes Pinhole size adjusted by exchanging pinholes Position adjustable
Sample:	2D linear motion for alignment and sample exchange A wide range of samples can be incorporated
Beamstop:	PIN diode loaded beam stop for online beam monitoring Beamstop size adjusted by exchanging pinhole
Detector:	2D multiwire detector 120 mm diameter Resolution: 512 x 512 to 4096 x 4096
Detection hardware:	NIM-based electronics with Fastec MCA with time-stamping feature for pump probe measurements
Software:	Instrument control: LabVIEW® (Windows®) Online data-recording: Fastec Imaging™ viewing software Data-reduction: MATLAB® based program
System resolution:	SAXS: 100 nm < d-spacing < 3.8 nm
Vacuum:	Diaphragm pump
System:	All components integrated on a bench
Options:	<ul style="list-style-type: none"> • System can be configured to allow easy access to data in the wide (WAXS) and medium (MAXS) angular range • Manual interchangeable pinholes can be replaced by automated pinhole replacement (by JJ X-ray) • Sample area can accommodate almost any kind of sample environment • 200 mm diameter detector can be chosen to accommodate larger q-range

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