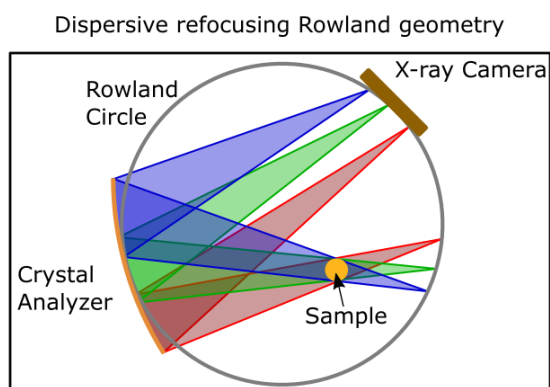
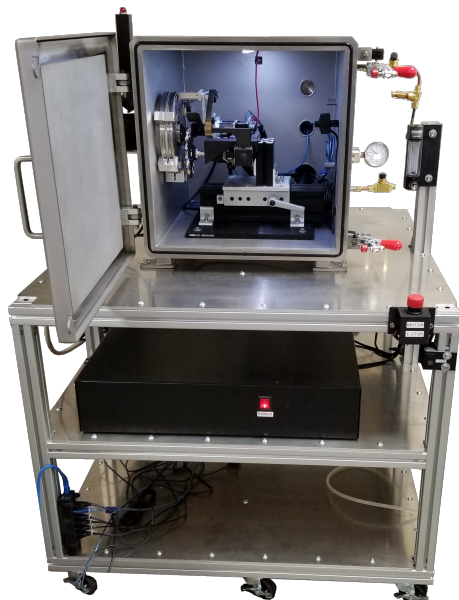


BRIMSTONE

by  easyXAFS

High-Performance, User-Friendly, Lab-Based Tender XES Spectrometer

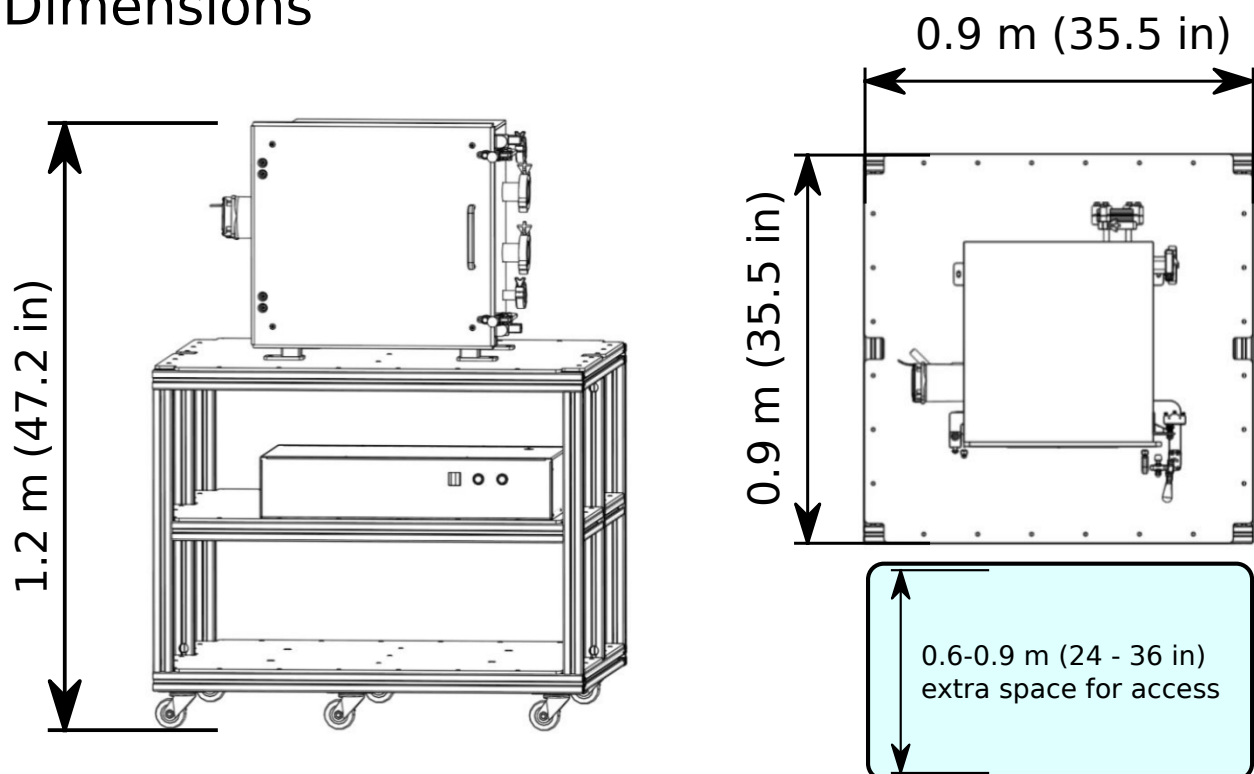


Product Specifications

Energy Range	2-5 keV, depending on choice of crystal analyzers
Resolving Power ($E/\Delta E$)	~4000 (0.5 eV @ 2 keV)
Bragg Angle Range	Standard operation 48-80 degrees.
X-ray Tube	100-W XRF-style, air-cooled tube with choice of anode material (Pd or W); 35 kV maximum.
X-ray Crystal Analyzer	Cylindrically-bent crystal analyzers (CBCAs) with 10-cm radius of curvature.

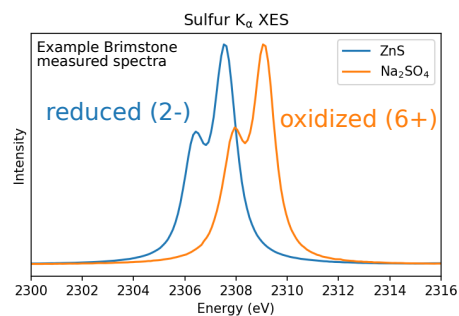
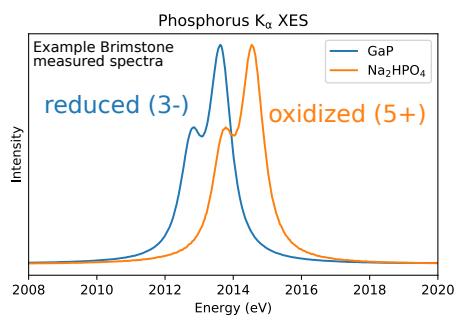
Detector	Designed to work with the easyXAFS kromo-TX1™ x-ray camera.
Sample Turret	Standard operation with motorized, multi-sample turret for programmable studies.
Sample Environment	Flushed with 1 atm helium during measurement.
Sample size	Active area: approx. $2 \times 5 \text{ mm}^2$ Mount area: $10 \times 10 \text{ mm}^2$
Software	Python-based platform with user-friendly GUI.
Required Utilities	Requires only standard wall outlet. 110-220 V/50-60 Hz, 1000-W

Dimensions



Example Data

Tender K α XES:
Oxidation state sensitivity



Tender K β (Valence-to-core) VTC-XES:
Direct probe of valence electronic structure

