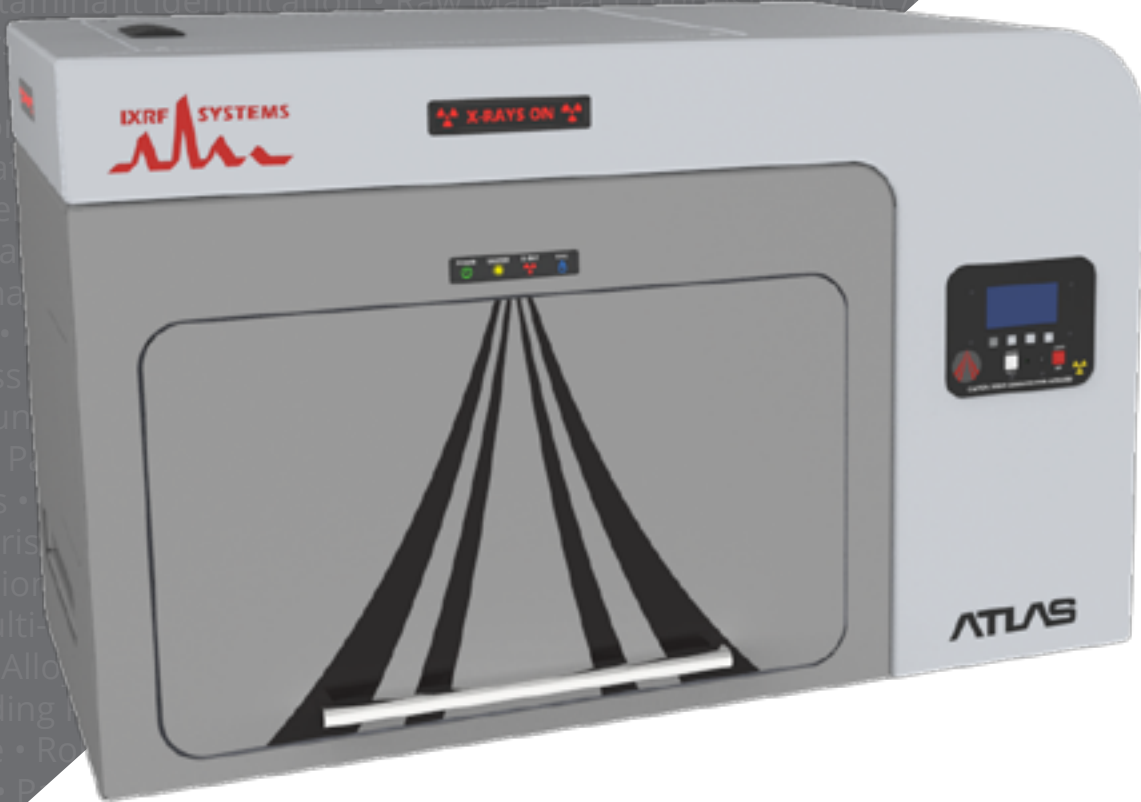




**ATLAS**  
**μXRF**



# UNPARALLELED MICRO-XRF PERFORMANCE





The ATLAS™ Micro-XRF spectrometer (μXRF) from IXRF Systems introduces a new world of x-ray mapping and automation. The ATLAS™ boasts the largest chamber volume and SDD detection area (150mm<sup>2</sup>) well as the smallest spot size (10μ) available on the market. Additionally, the Atlas™ is complimented by the most comprehensive software suite including multi-point analysis, unattended automation, in-depth feature/image analysis, unprecedented mapping and reporting features, and much more. Models may be operated under air or vacuum as well as Helium flush for liquids and light element analysis.

## PRODUCT FEATURES

- ① Spot Size down to 5 microns with anti-halo optic
- ② SDD Detector Active Area up to 150mm<sup>2</sup>
- ③ Larger Chamber Volume
- ④ 50kv/50 watt tube
- ⑤ Multipoint/Multi-Area Automation & Mapping
- ⑥ Air, Vacuum, Helium for Solids, liquids, and powders

## ATLAS TECHNICAL SPECIFICATIONS

<b>Sample Types</b>	Solids, Liquids, Particles, Powders
<b>Sample Chamber Size</b>	20x18x10in. (508x457x254mm)
<b>Measurement Media</b>	Air, Vacuum, He
<b>Excitation Source</b>	12-50W, 0-60kV, 200 μA-1mA
<b>Excitation Parameters</b>	Aperture or Polycapillary Collimation
Target Materials	Rh (others available)
Tube	50kV, 50W, 1mA (optional 2nd tube)
Spot Size	≤5-1000μ
Filters	Up to 8
<b>Geometry</b>	Top-down Beam (Perpendicular)
<b>Detector (s)</b>	SDD (Si-Pin upon request)
Resolution	130-145eV
Active Area	30-150mm <sup>2</sup>
<b>Stage</b>	Motorized X,Y,Z (available) 25x25mm up to 320x320mm ranges available 10kg+ load capacity
<b>Sample Travel</b>	Total Mapping Map Scan Speed Sample Speed
	320x320x120mm 250x200mm 1-3ms/pixel up to 300mm/second
<b>Sample View</b>	Three Sample Positioning and Analysis Cameras
<b>Instrument Control</b>	PC; Windows 7/8 Complete control of parameters, filters, cameras, optical microscopes, sample illumination and positioning, and measurement media
<b>Power</b>	100-240 V, 50/60 Hz
<b>Certifications</b>	CE, RoHS, Radiation
<b>Element Range</b>	Na-U
<b>Dimensions</b>	35x22x22in (890x560x560mm)
<b>Quality and Safety</b>	CE certified RoHS, Radiation < 1 μSv/h



IXRF Systems, Inc.  
10421 Old Manchaca Rd., Suite 620  
Austin, TX 78748

Telephone: 512.386.6100  
Fax: 512.386.6105  
Email: info@ixrfsystems.com