



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 detection area (150mm²) as well as the smallest spot size (5μm) 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. Instruments 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 Dry Detector Active Area up to 150mm²
- 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

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|------------------------------|---|
| Sample Types | Solids, Liquids, Particles, Powders |
| Sample Chamber Size | 20x18x10in. (508x457x254mm) |
| Measurement Media | Air, Vacuum, He |
| Excitation Source | Primary Secondary |
| Excitation Parameters | Polycapillary or Aperture Collimation Rh (others available) Tube Spot Size Filters |
| Geometry | Top-down Beam (Perpendicular) |
| Detector (s) | SDD (Si-Pin upon request) Resolution Active Area |
| Stage | Motorized X,Y,Z (available) 25x25mm up to 320x320mm ranges available |
| Sample Travel | Total Mapping Map Scan Speed Sample Speed |
| Sample View | Three Sample Positioning and Analysis Cameras |
| Instrument Control | PC; Windows 10 Complete control of parameters, filters, cameras, optical microscopes, sample illumination and positioning, and measurement media |
| Power | 100-240 V, 50/60 Hz |
| Certifications | CE, RoHS, Radiation |
| Element Range | Na-U |
| Dimensions | 35x22x22in (890x560x560mm) |
| Quality and Safety | CE certified RoHS, Radiation < 1 μSv/h |



Quantum-RX
Espace Technologique - Gemini II
91190 Saint-Aubin - France

info@quantum-rx.com
<https://quantum-rx.com>
+33 (0)1 6012 26 94

