



MODEL 2023

Analytical Tomography Holder for Ultra-X

For use with Thermo Fisher Scientific microscopes.

Optimizes the acquisition of elemental composition and structural information in three dimensions; allows extremely high tilt angles with large fields of view in restricted pole-piece gaps. Minimal holder volume and materials selection for enhanced X-ray performance. Designed for use with the Ultra-X detector.

Model 2023 Analytical Tomography Holder for Ultra-X specifications

Holder type	Room-temperature, single tilt For most transmission electron microscopes (TEMs) with pole-piece gaps of approximately 5 mm or greater
Holder tip and clamp material	Beryllium*
Specimen size	3 mm diameter Wide range of thicknesses up to 250 μm
Resolution	0.34 nm [3.4 \AA] in all directions
Drift	< 1.5 nm/min
Maximum tilt range	Up to $\pm 65^\circ$
Viewable area at $\pm 65^\circ$ tilt aperture out	100 μm in one direction/580 μm in opposite direction
Viewable area at $\pm 65^\circ$ tilt aperture in	100 μm in one direction/500 μm in opposite direction
Warranty	One year

*See the product's instruction manual for safety information regarding working with and disposing of instruments with beryllium components. All specifications depend on the microscope model, pole-piece type, and aperture position. For ultimate resolution and drift performance, the TEM must meet the manufacturer's specifications.



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