



MODEL 2550

Cryo Transfer Tomography Holder

Cryo transfer and tomography of thin-film frozen-hydrated/vitrified specimens for low-dose imaging and analysis. Holder, temperature controller, and cryo workstation sold separately.

Model 2550 Cryo Transfer Tomography Holder specifications

Holder type	A single-tilt holder for cryo transfer and tomography of thin-film frozen-hydrated/vitrified specimens For transmission electron microscopes (TEMs) with a wider gap pole piece (an approximate 5 mm gap for tomographic studies)
Standard specimen cup/holder tip material	Beryllium copper
Cryogen	Liquid nitrogen
Specimen grid size	3 mm diameter
Field of view	2 mm diameter at 0° tilt
Resolution	Better than 0.20 nm at 0° tilt
Drift	< 1.5 nm/min
Maximum tilt range	Up to ±80°
Dewar capacity	200 ml
Maximum operating temperature	Up to 100 °C
Maximum bake-out temperature	Up to 100 °C
Minimum operating temperature (tip retracted)	< -175 °C
Time to reach minimum operating temperature	< 15 minutes (in microscope)
Hold time at minimum operating temperature	> 4 hr
Warranty	One year

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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