MODEL **2550**

Cryo Transfer Tomography Holder

Cryo transfer and tomography of thin-film frozen-hydrated/vitrified specimens for low-dose imaging and analysis

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	0.18 nm at 0° tilt
Drift	1.5 nm/min^{-1}
Maximum tilt range	Up to ± 80°
Dewar capacity	200 ml
Maximum operating temperature	Up to 110 °C
Maximum bake-out temperature	Up to 110 °C
Minimum operating temperature	< -175 °C
Time to reach minimum operating temperature	< 30 minutes (in microscope)
Hold time at minimum operating temperature	> 4 hours
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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