



# 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

<b>Holder type</b>	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)
<b>Standard specimen cup/holder tip material</b>	Beryllium copper
<b>Cryogen</b>	Liquid nitrogen
<b>Specimen grid size</b>	3 mm diameter
<b>Field of view</b>	2 mm diameter at 0° tilt
<b>Resolution</b>	Better than 0.20 nm at 0° tilt
<b>Drift</b>	< 1.5 nm/min
<b>Maximum tilt range</b>	Up to ±80°
<b>Dewar capacity</b>	200 ml
<b>Maximum operating temperature</b>	Up to 100 °C
<b>Maximum bake-out temperature</b>	Up to 100 °C
<b>Minimum operating temperature (tip retracted)</b>	< -175 °C
<b>Time to reach minimum operating temperature</b>	< 15 minutes (in microscope)
<b>Hold time at minimum operating temperature</b>	> 4 hr
<b>Warranty</b>	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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