



# 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<br><br>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>                                  | 0.20 nm at 0° tilt   |
| <b>Drift</b>                                       | 1.5 nm/min <sup>-1</sup>   |
| <b>Maximum tilt range</b>                          | Up to ± 80°  |
| <b>Dewar capacity</b>                              | 200 ml   |
| <b>Maximum operating temperature</b>               | Up to 110 °C   |
| <b>Maximum bake-out temperature</b>                | Up to 110 °C   |
| <b>Minimum operating temperature</b>               | < -175 °C  |
| <b>Time to reach minimum operating temperature</b> | < 15 minutes (in microscope)   |
| <b>Hold time at minimum operating temperature</b>  | > 4 hours  |
| <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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