



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

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| 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 | 0.20 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 100 °C |
| Maximum bake-out temperature | Up to 100 °C |
| Minimum operating temperature | < -175 °C |
| Time to reach minimum operating temperature | < 15 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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