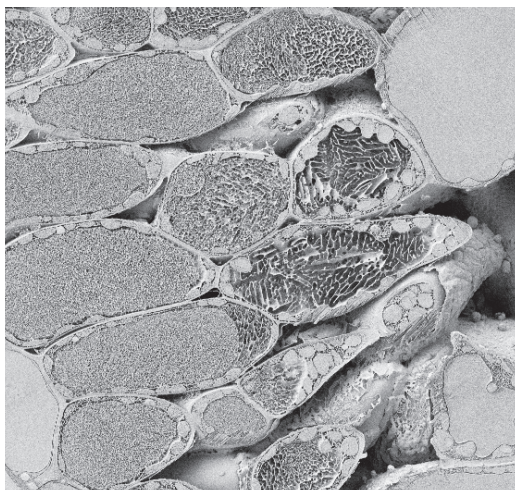


Connectivity

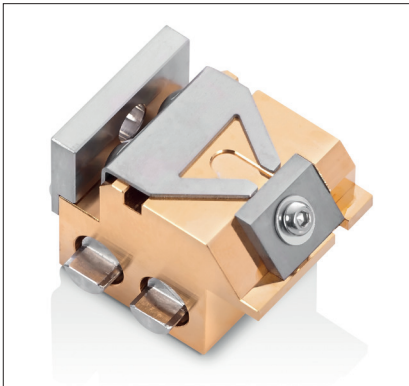
Vacuum Transfer Docking Port for Leica EM TIC 3X

The VCT docking port in combination with the Leica EM TIC3X offers the perfect workflow for surfacing environmentally sensitive samples which can be subsequently transferred to coating and/or SEM systems under inert gas/vacuum conditions.

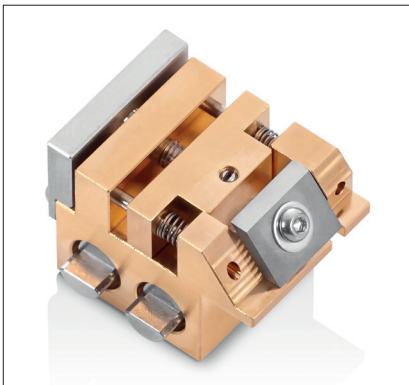
Cryogenic surfacing of biological, geological or industrial samples subsequently transferred under cryo/vacuum conditions makes this configuration perfect for any kind of sample researchers wish to investigate/analyze in the cryo SEM.



Taxus, cross sectioned at -120°C , investigated in a cryo SEM



Cryo sample holder for high pressure frozen samples



Cryo sample holder for samples up to 10 x 7 x 4 mm

FEATURES

- › Cryogenic broad ion beam surfacing and transfer without introduction of artifacts
- › Maximum sample size which can be inserted: 10 x 7 x 4 mm. Several holders available, even for Leica EM HPM100 frozen samples
- › Unique low temperature setting down to -160 °C for Leica EM TIC3X preparation. This is needed for vitrified samples prepared with the Leica EM HPM100
- › All Leica EM TIC 3X can be equipped or retrofitted with the docking port
- › Unique cryo loading station with "cryo saw" for preliminary preparation of cryogenic samples to provide sample protrusion between 20–100 µm above the mask edge
- › For samples requiring preliminary preparation under an inert gas atmosphere (e.g. batteries), the Leica EM TXP can be placed in a glove box adapted with VCT dock. The protruded length of the sample is set by reworking the sample surface using the new VCT holder adapter for the Leica EM TXP

