

Createc offers various types of transfer tools to pick up and transfer sample holders in UHV.

Wobble stick

- Up to 4 degrees of freedom
- Mechanical tilt $\pm 22^\circ$ | $\pm 28^\circ$ (others on request)
- Flange size: 40 CF
- Magnetical linear movement and rotation
- Customized sample holder grip
- Linear stroke up to 300 mm
- Optional parking dock and lock



Transfer rod

- Up to 3 degrees of freedom
- Magnetical linear movement
- Magnetical rotary movement
- Optional sample lift
- Optional flexible bellow for adjustment
- Customized sample holder grip
- Flange size: 40 CF | 63 CF
- Linear stroke up to 1400 mm
- Optional transfer rod support
- Optional automation and software control

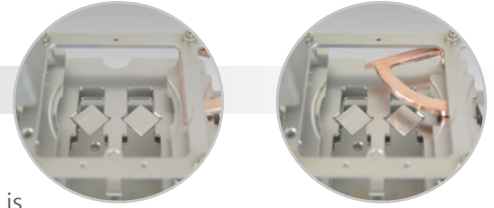


Grip for transfer rod | wobble stick

- To pick up flag style sample holder
- Built for use as Bayonet connection
- Prepared to be mounted in the axis of a transfer rod or a wobble stick

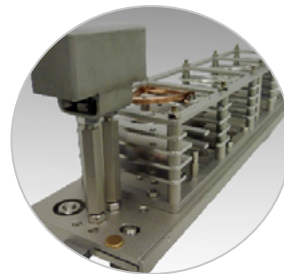
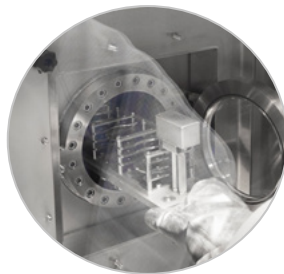


Trolley

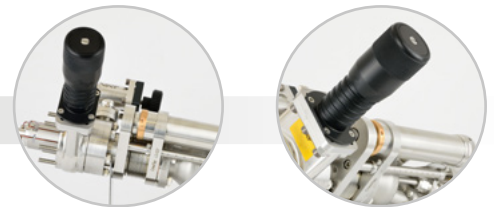


Createc offers a trolley which runs on rail inside a transfer chamber. In addition it is ideal for storing samples in the UHV environment during different processing steps.

- Adapted for 160 CF tube
- Mechanically or magnetically movement
- Sample storage as specified, rotatable magazines on request
- Bake-out temperature > 200 °C
- Modular platform for future modification



Vacuum Retraction Unit for Evaporators



The compact vacuum retraction unit is used to isolate an effusion cell from the connected chamber for refilling, maintenance, exchanging, etc. The complete unit includes valves and the connection to the pumping unit in addition to the specially designed linear feedthrough. The vacuum retraction unit is suitable for the preparation chamber of our LT-STM/AFM systems.

- Base flange size: DN 40 CF | DN 63 CF (others on request)
- 16 CF sideport
- Stroke: 50 | 100 | 150 mm (others on request)