

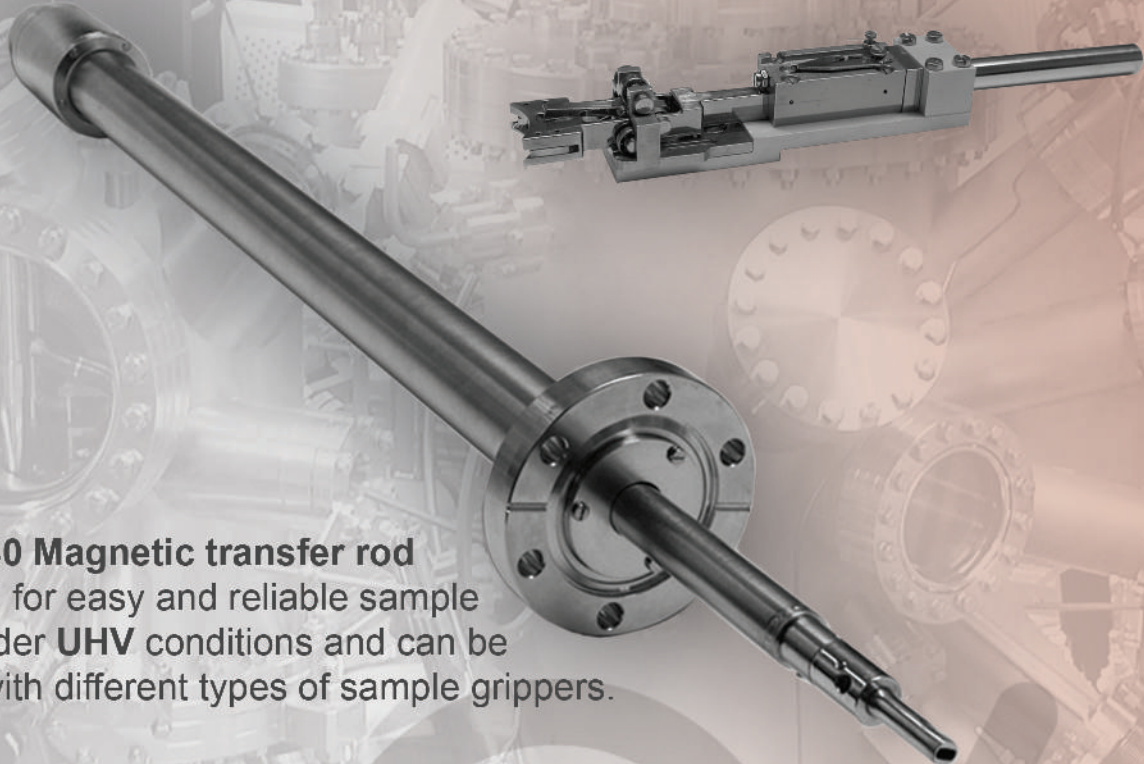


OmniVac

Surface Analysis and Vacuum Technology

Magnetic Transfer Rod

MTR 40



The MTR 40 Magnetic transfer rod is designed for easy and reliable sample transfer under **UHV** conditions and can be equipped with different types of sample grippers.

- Magnetically coupled
- Fully bakeable up to 200°C
- Continuous rotation
- Leak rate $<1 \times 10^{-10} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$
- Manual control of the transfer process

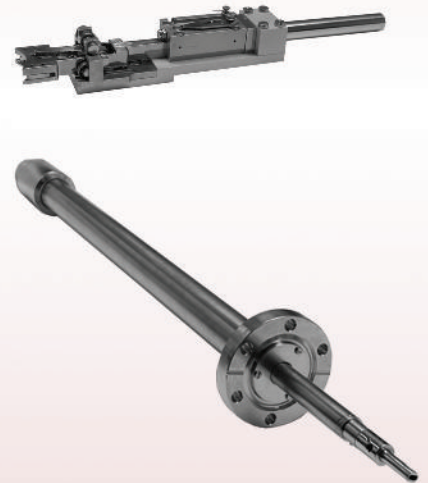
MTR 40 Magnetic Transfer Rod

The **MTR 40 Magnetic Transfer Rod** is designed for easy and reliable sample transfer under **UHV** conditions and can be equipped with different types of sample grippers, e.g. for flag style or for **OmniVac sample holders**. All magnets are fully bakeable up to 200°C.

The whole setup can be used in vacuum environments with base pressures better than 1×10^{-10} mbar.

The use of high power magnets ensures a strong coupling between the outer slider and the moving transfer rod for linear movement as well as for continuous rotation. The **MTR 40** therefore offers precise control of the whole transfer process.

For larger transfer lengths individual support rods can be provided.



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- ▶ Fully bakeable up to 200°C
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<i>Mounting flange</i>	CF40
<i>Maximum transfer length</i>	1200 mm
<i>Rotation</i>	360°C, continuous
<i>Coupling</i>	magnetic
<i>base pressure</i>	$< 1 \times 10^{-10}$ mbar
<i>bake out temperature</i>	$< 200^\circ\text{C}$

Related products:

gripper for flag style sample holders
gripper for **OmniVac** sample holders

magnetic Wobble stick

CF40 port aligner
support rods



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