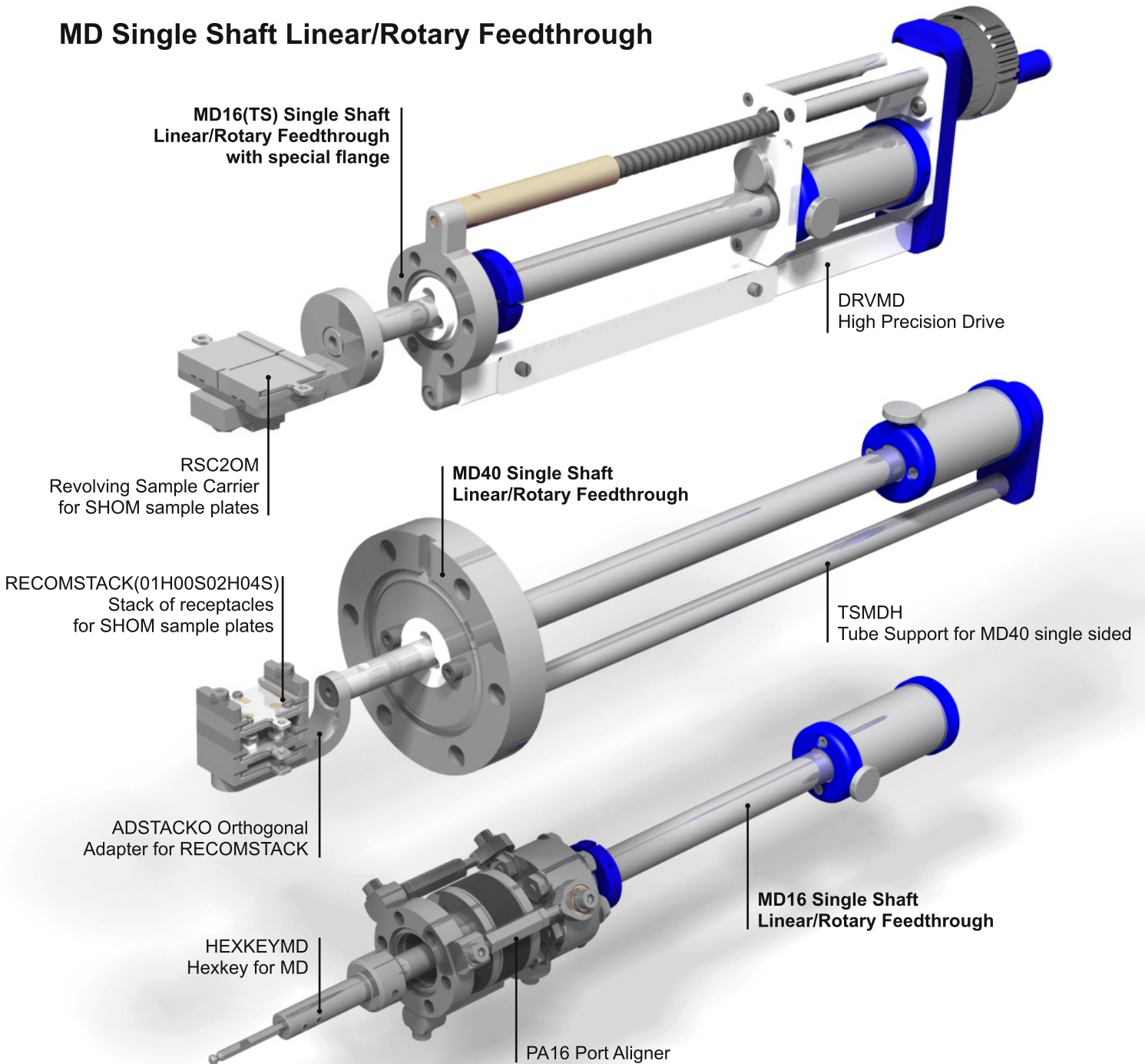


MD :: LINEAR/ROTARY FEEDTHROUGHS

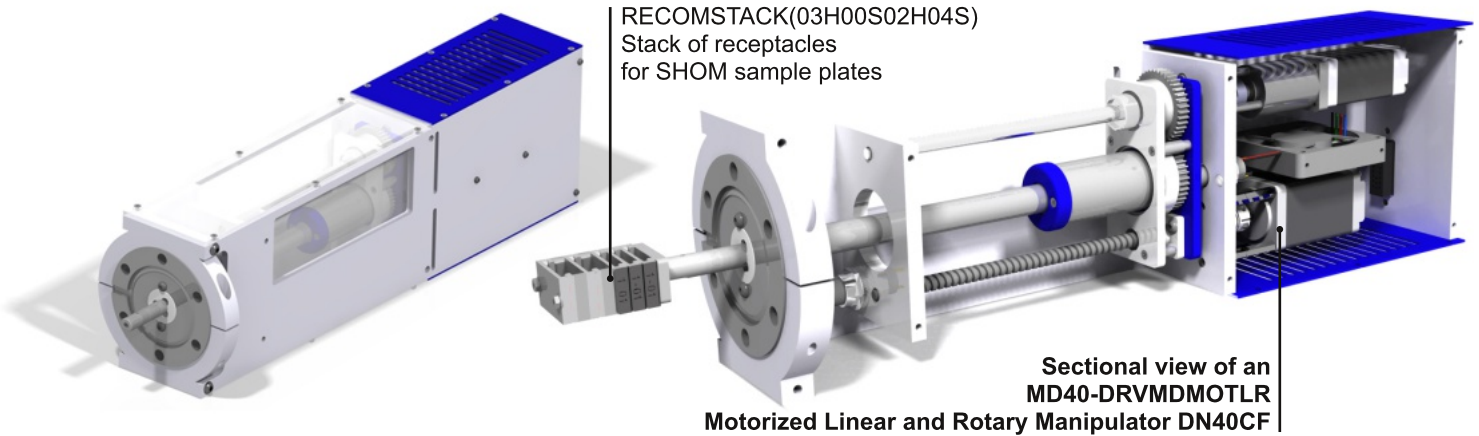
This type of magnetically driven manipulator can be used as a small transfer arm for short and intermediate distances. For example: It is perfectly suitable for sample transfer from a load lock into the main chamber.

MD Single Shaft Linear/Rotary Feedthrough



Single shaft linear/rotary feedthroughs can serve for carrying a movable sample storage platform or a stack of receptacles. If used with a port aligner and one of our key adapters, they may also be used to tighten a screw or engage a sample locking mechanism at a specific position.

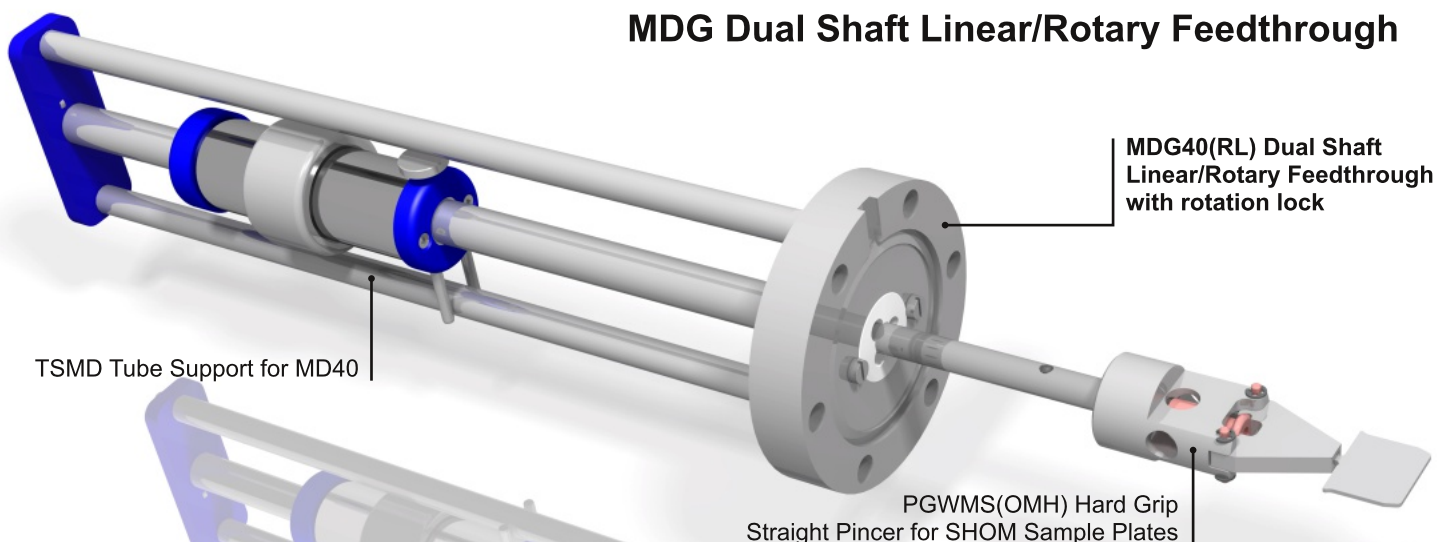
A 1Nm high torque (HT) version with a linear force of 60N can be provided on request (standard 0.5Nm & torque 30N linear force).



DRVMDMOTL Motorized Linear Drive for MD Feedthroughs

Motorization of manipulators provides reliable, safe and precise movement, positioning and handling. Implemented in our motorized linear/rotary drives are the necessary prerequisites: a fine step resolution and a sturdy construction. With a 2mm pitched spindle, a readout of 0.05mm is possible. Alternatively, a 1mm pitched spindle provides even higher resolution.

The 2-phase stepper motor-driven precision drive unit allows for easy, independent manipulation of the linear and rotary axis.



MDG Dual Shaft Linear/Rotary Feedthrough

Dual shaft linear/rotary feedthroughs can be equipped with one of our pincer grips. The fine adjustable magnetic coupling allows a precise control of their opening and closing by turning a knurled screw.

A variety of pincers are available for almost any type of sampleholder.

A lot of accessories are available for Single and Dual Shaft Linear/Rotary Feedthroughs. They can be combined as desired for customized application. Do not hesitate to contact us directly concerning your requirements.

Specifications MD Single and MDG Dual Shaft Linear/Rotary Feedthroughs

- linear travel: 100mm, 150mm, 200mm, 250mm, 300mm or customized
- bakeout temperature: 150deg C max.
- pressure range 1*10E-11mbar to 1000mbar
- fully UHV compatible materials