Ferrovac GmbH

Ultra High Vacuum Technology

Thurgauerstrasse 72
CH-8050 Zürich

sales@ferrovac.com
www.ferrovac.com

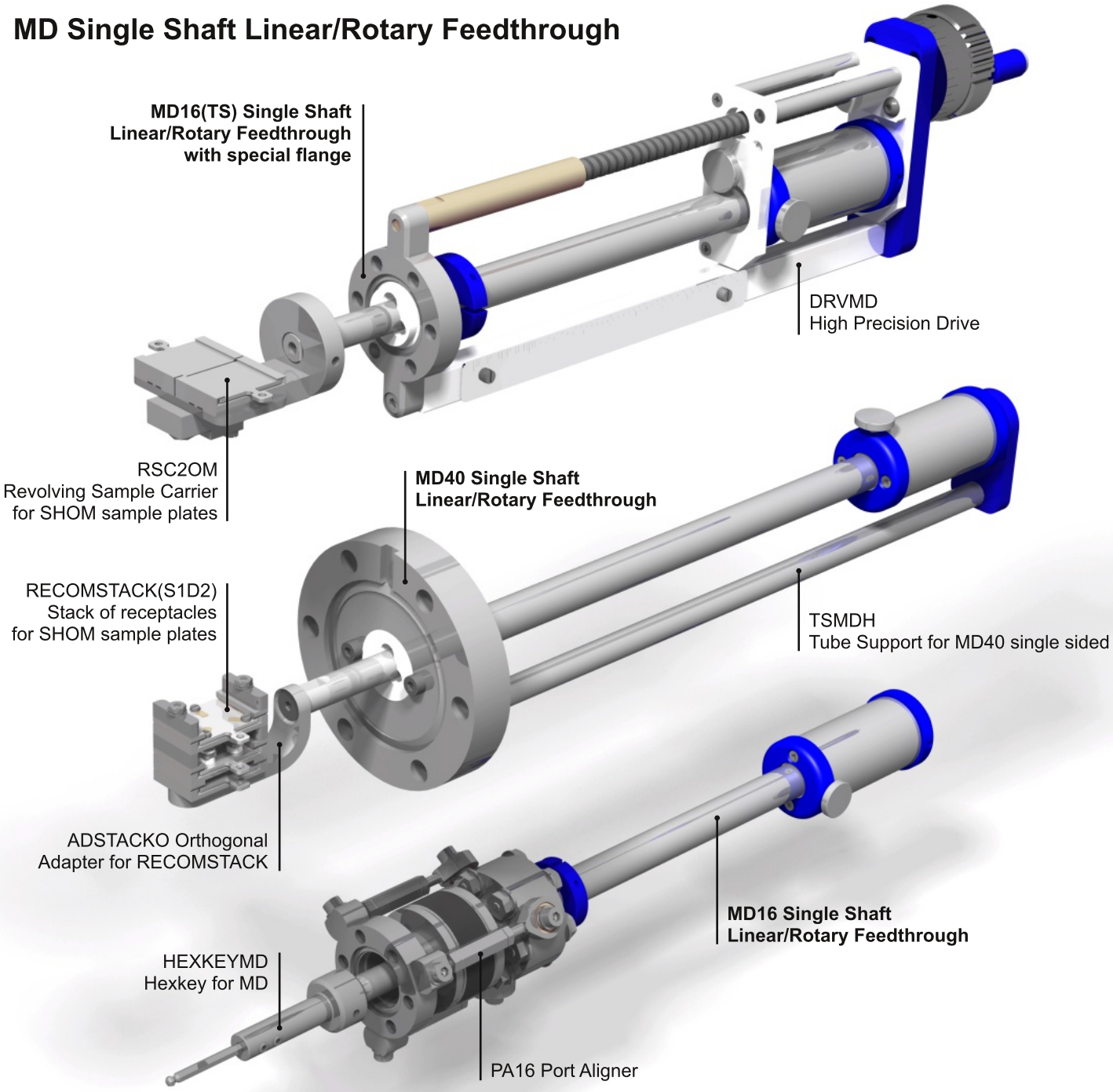
phone +41 44 273 16 38

MD :: Linear/Rotary Feedthroughs

REV C 20130823

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).

Swiss UHV Technology since 1996

Ferrovac GmbH

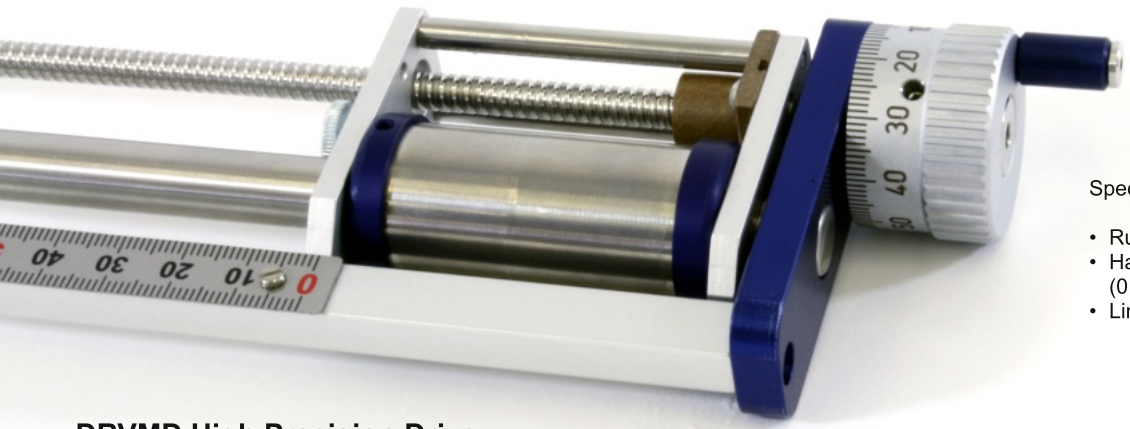
Ultra High Vacuum Technology

Thurgauerstrasse 72
CH-8050 Zürich

sales@ferrovac.com
www.ferrovac.com

phone +41 44 273 16 38

REV C 20130823



Specifications DRVMD

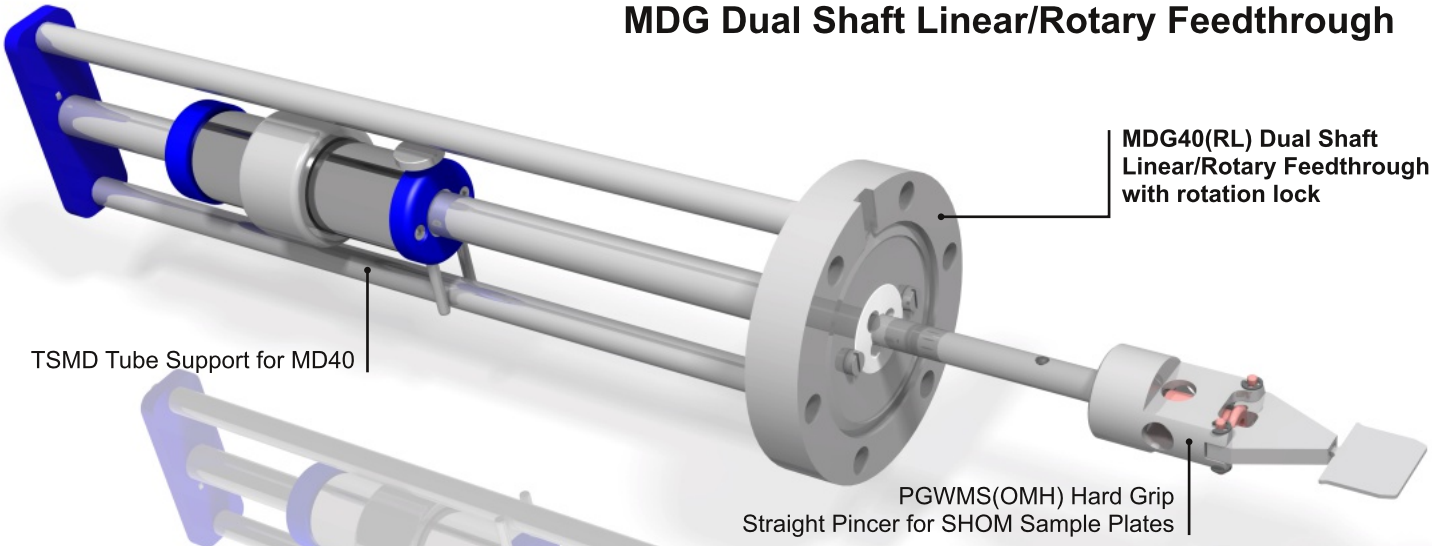
- Ruler with 1mm scale
- Hand-wheel with 0.05mm scale (0.025mm with 1mm spindle)
- Linear travel: 100mm, 150mm, 200mm

DRVMD High Precision Drive

The MD16(TS) miniature and MD40 linear rotary feedthrough can be equipped with a high precision spindle drive. With a 2mm pitched spindle, a readout of 0.05mm is possible. Alternatively, a 1mm pitched spindle provides an even higher resolution.

Optionally a 2-phase stepper motor drives the DRVMD linear axis which turns the manipulator into a motorized DRVMD-MOTMD Linear- Manual Rotary Manipulator.

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 sampleholders.

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

Swiss UHV Technology since 1996