

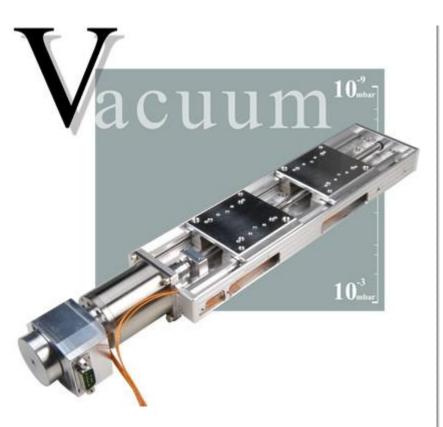
FACTS

| Load Characteristics | Fx (N) | Fy (N) | Fz (N) | Mx (N) | My (Nm) | Mz (Nm) | kax (µrad/Nm) | kay (µrad/Nm) |
|-------------------------|-----------|-----------|-----------|-----------|------------|------------|------------------|------------------|
| DC-B-026 | 40 | 30 | 50 | 2.5 | 5 | 2.5 | 220 | 150 |
| 2Phase-041 | 40 | 30 | 50 | 2.5 | 5 | 2.5 | 220 | 150 |

DESCRIPTION

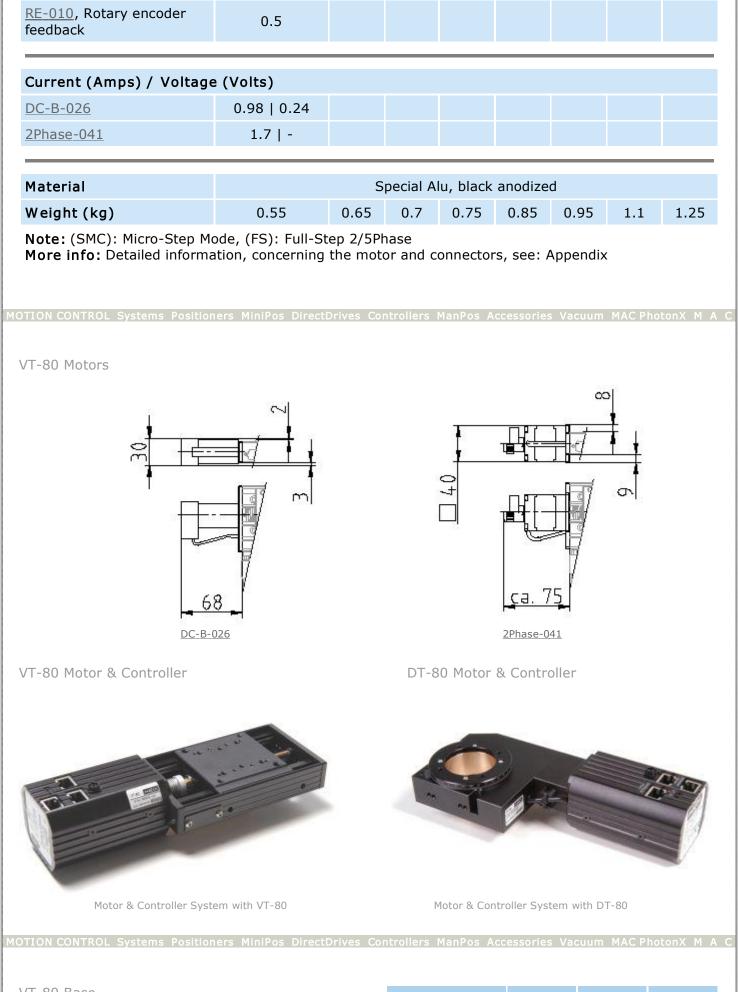
The Translation Stage VT-80 is a low cost alternative to MICOS High-Precision Stages and it is especially designed for simple tasks of positioning. А backlash-free recirculating ball guiding system production without guarantees

problems. A back-lash compensated lead screw produces a quiet smooth move. The Translation Stages VT-80 are equip-ped with integrated limit switches. All translation stages are direct drives without gear. DC-, 2phase-micro-step (SMC-series) motor are available. In case of Translation Stages VT-80 with step motor manual operation without control can be made with help of a scale and turning knob. All translation stages of the structural series 80 can be assembled. The XYassembly with travel 25 mm must be set-up at our plant. Please indicate when ordering. More Pictures

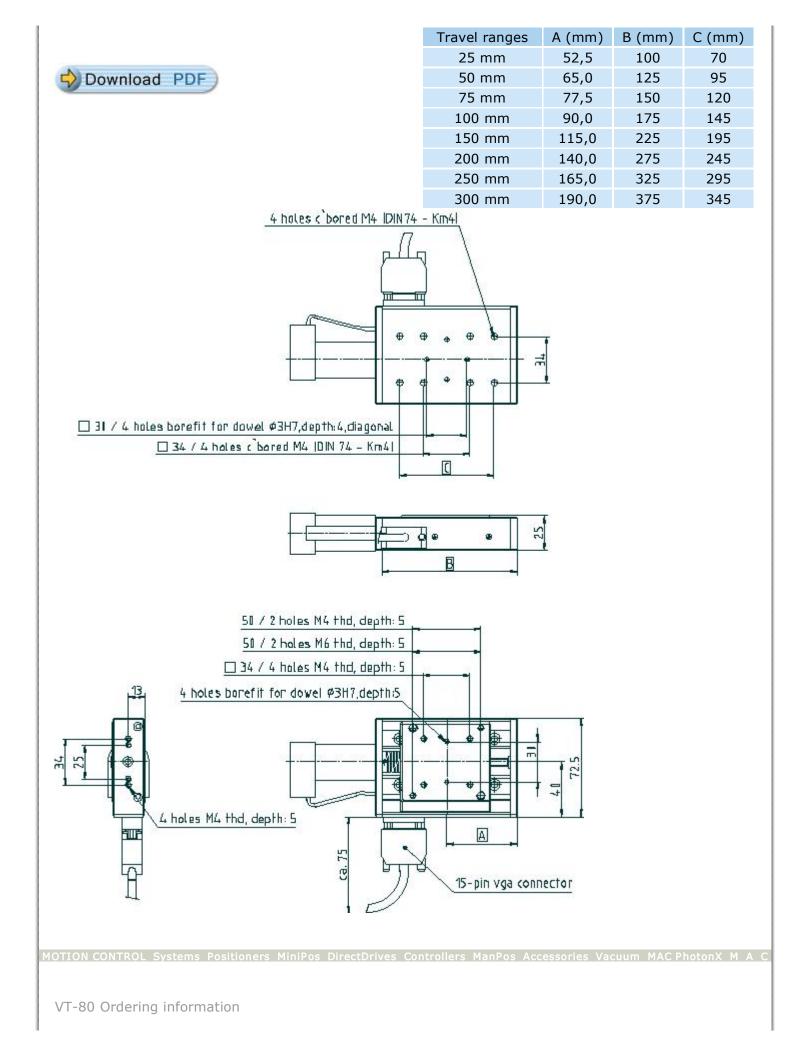


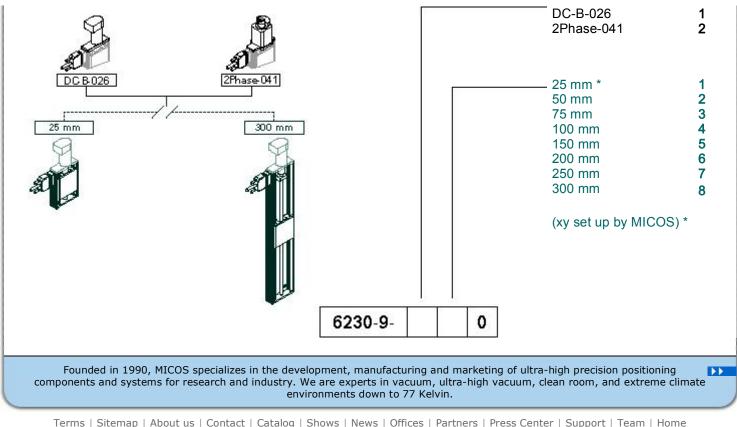
Technical data

| Travel Range (mm) | 25 | 50 | 75 | 100 | 150 | 200 | 250 | 300 | | | | |
|--------------------------------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|--|--|--|--|
| Bi-directional Repeatability (µm) | +/- 15 | | | | | | | | | | | |
| Uni-directional (µm) | +/- 1 | | | | | | | | | | | |
| Accuracy per 50 mm (µm) | +/- 100 | | | | | | | | | | | |
| Velocity Range (mm/sec) | 0.001 20 | | | | | | | | | | | |
| Straightness / Flatness (µm) | +/- 8 | +/- 10 | +/- 11 | +/-12 | +/- 14 | +/- 20 | +/- 25 | +/- 35 | | | | |
| Pitch (µrad) | +/- 100 | +/- 110 | +/- 120 | +/- 130 | +/- 150 | +/- 170 | +/- 190 | +/- 210 | | | | |
| Yaw (µrad) | +/- 150 | | | | | | | | | | | |
| Ballscrew Pitch (mm) | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Speed max.(mm/sec) | | | | | | | | | | | | |
| <u>DC-B-026</u> | 20 | | | | | | | | | | | |
| 2Phase-041 | 20 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Resolution Open-Loop (µm) | | | | | | | | | | | | |
| 2Phase-041 | 0.1 (SMC) 5 (FS) | | | | | | | | | | | |
| Resolution Closed-Loop (µm) | | | | | | | | | | | | |



VT-80 Base





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 | MiniPositioners
 | DirectDrives
 | Controllers
 | ManPositioners
 | Accessories
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