

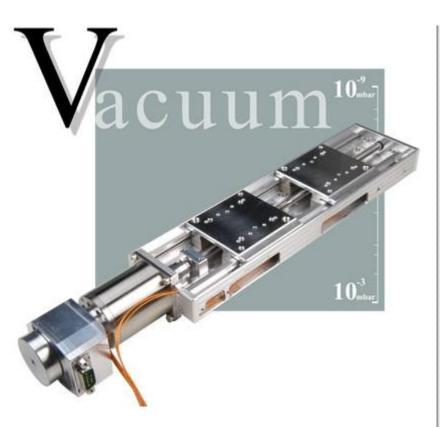
FACTS

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

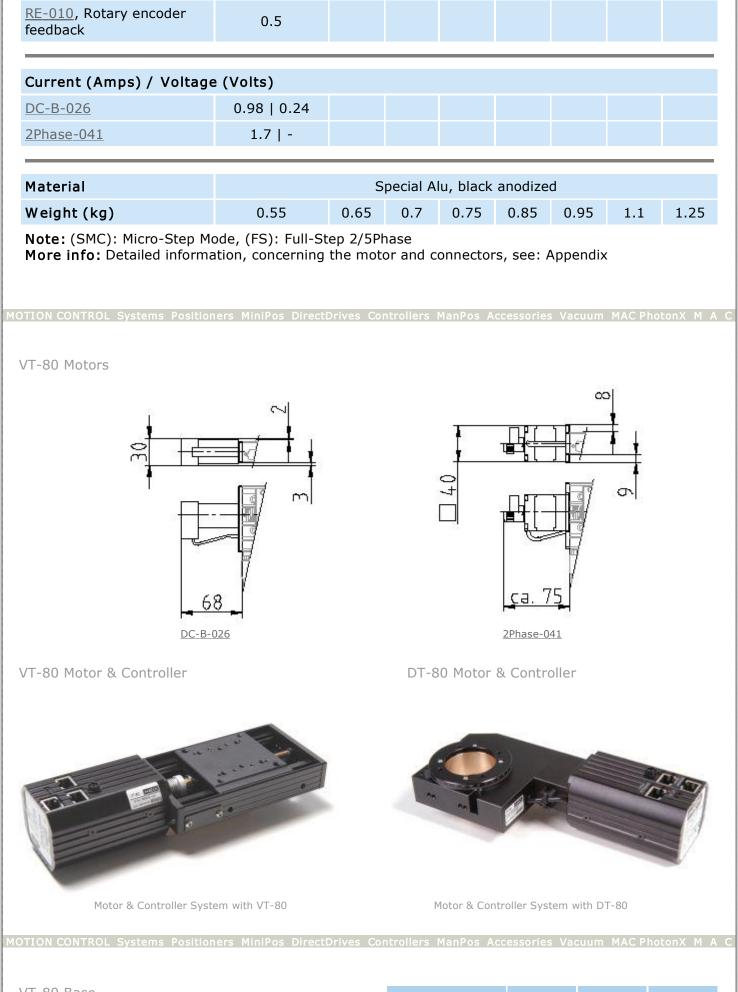
The Translation Stage VT-80 is a low cost alternative to MICOS High-Precision Stages and it is especially designed for simple tasks of positioning. А backlash-free recirculating ball guiding system production without guarantees

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

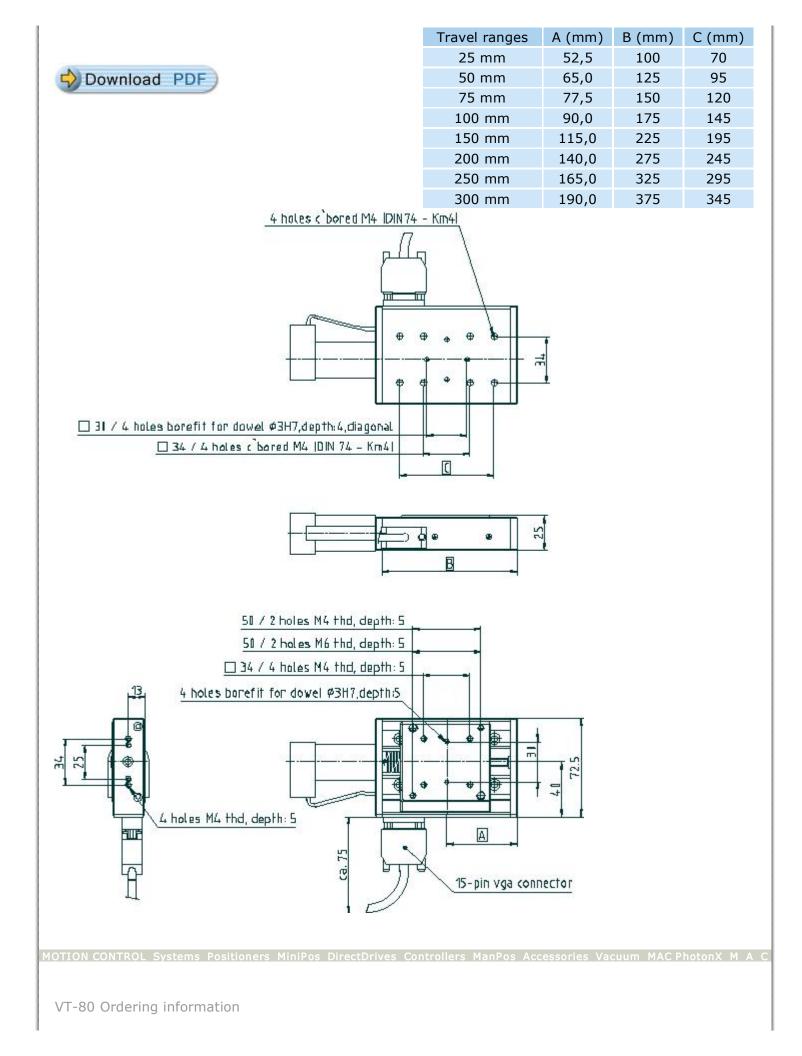


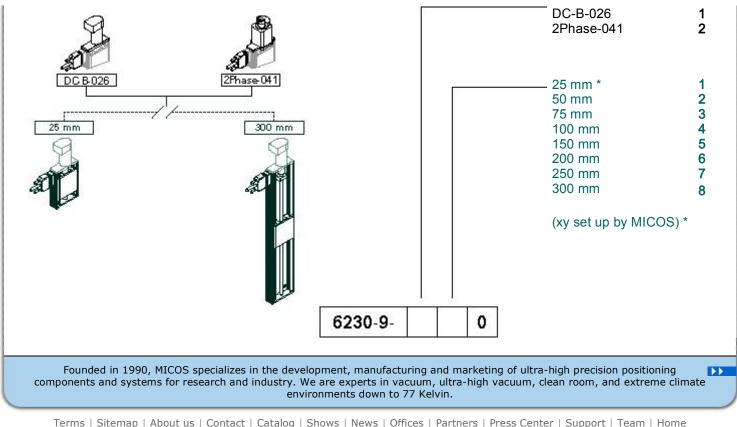
## Technical data

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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