

Motion Control

Single Axis Stages

Multi-Axis Stages

Flexure Stage
Accessories

Motorized
Mirror Mounts

Rotation Stages

Drive Electronics
& Auto-Alignment

Actuators &
Adjusters

Brief Tutorials

1" & 2" Motorized Translation Stages (Page 2 of 2)

Specifications

- **Travel:** MTS25X 1" (25mm) or MTS50X 2" (50mm)
- **Max Horizontal Load:** 25lbs (12kg)
- **Max Vertical Load:** 10lbs (4.5kg)
- **Orthogonality:** <4mrad
- **Angular Deviation:** <250 μ rad
- **Bearing Type:** Recirculating Ball Bearings
- **Leadscrew Pitch:** 0.5mm
- **Bidirectional Repeatability:** <2 μ m
- **Motor Type:** DC Servo
- **Motor Drive Voltage:** 12V
- **Feedback:** Hall Effect Encoder
- **Encoder Counts per Revolution of the Leadscrew:** 12,288
- **Planetary Gearhead Ratio:** 256:1
- **Speed Range:** 100nm/s to 0.4mm/s



ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
MTS25X	MTS25X/M	\$ 850.00	£ 535.50	€ 790,50	¥ 8,117.50	Compact Motorized 1" (25mm) Travel Translation Stage
MTS25X-E	MTS25X-E/M	\$ 1,390.00	£ 875.70	€ 1,292,70	¥ 13,274.50	MTS25X Translation Stage Plus TDC001 Controller
MTS25XY	MTS25XY/M	\$ 1,700.00	£ 1,071.00	€ 1,581,00	¥ 16,235.00	2-Axis Compact Motorized 1" (25mm) Travel Translation Stage
MTS25XY-E	MTS25XY-E/M	\$ 2,780.00	£ 1,751.40	€ 2,585,40	¥ 26,549.00	MTS25XY Translation Stage Plus TDC001 Controllers
MTS25XYZ	MTS25XYZ/M	\$ 2,550.00	£ 1,606.50	€ 2,371,50	¥ 24,352.50	3-Axis Compact Motorized 1" (25mm) Travel Translation Stage
MTS25XYZ-E	MTS25XYZ-E/M	\$ 4,170.00	£ 2,627.10	€ 3,878,10	¥ 39,823.50	MTS25XYZ Translation Stage Plus TDC001 Controllers
MTS25B	MTS25B*	\$ 50.00	£ 31.50	€ 46,50	¥ 477.50	1" (25mm) Right Angle Bracket for MTS25 Series
MTS50X	MTS50X/M	\$ 950.00	£ 598.50	€ 883,50	¥ 9,072.50	Compact Motorized 2" (50mm) Travel Translation Stage
MTS50X-E	MTS50X-E/M	\$ 1,490.00	£ 938.70	€ 1,385,70	¥ 14,229.50	MTS50X Translation Stage Plus TDC001 Controller
MTS50XY	MTS50XY/M	\$ 1,900.00	£ 1,197.00	€ 1,767,00	¥ 18,145.00	2-Axis Compact Motorized 2" (50mm) Travel Translation Stage
MTS50XY-E	MTS50XY-E/M	\$ 2,980.00	£ 1,877.40	€ 2,771,40	¥ 28,459.00	MTS50XY Translation Stage Plus TDC001 Controllers
MTS50XYZ	MTS50XYZ/M	\$ 2,850.00	£ 1,795.50	€ 2,650,50	¥ 27,217.50	3-Axis Compact Motorized 2" (50mm) Travel Translation Stage
MTS50XYZ-E	MTS50XYZ-E/M	\$ 4,470.00	£ 2,816.10	€ 4,157,10	¥ 42,688.50	MTS50XYZ Translation Stage Plus TDC001 Controllers
MTS50B	MTS50B*	\$ 60.00	£ 37.80	€ 55,80	¥ 573.00	2" (50mm) Right Angle Bracket for MTS50 Series
TPS001	TPS001*	\$ 25.50	£ 16.10	€ 23,70	¥ 243.50	±15V Power Supply for Single T-Cube
TPS008	TPS008*	\$ 187.00	£ 117.80	€ 173,90	¥ 1,785.90	±15V Power Supply for up to 8 T-Cubes

*Both Imperial and Metric parts are equivalent.

Lab Automation

Modular • Compatible • Flexible • USB 2.0 Compliant

T-Cubes

Stepper Motor Driver
TST001
Page 350

Solenoid Controller
TSC001
Page 354

Piezo Driver
TPZ001
Page 356

Strain Gauge Reader
TSG001
Page 358

NanoTrak™ Auto-Alignment Controller
TNA001
Page 360

• Plug and Play Graphical Computer Interface • Basic Manual Interface

Made Simple