



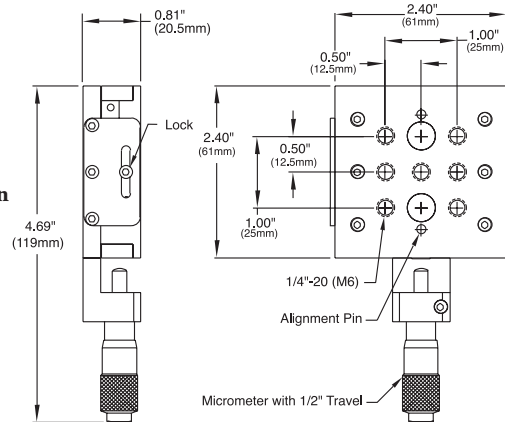
# 1/2" (13mm) Travel Translation Stage



**MT3**  
Right-Handed Configuration

- **Maximum Stage Travel:** 1/2"
- **Orthogonality:** < 2mrad (with alignment pins)
- **Field Configurable, Right or Left Handedness**
- **Precision Hardened Steel V-Groove Design**
- **Angular Deviation:** < 150µrad
- **Horizontal Load Capacity:** 90 lbs
- **Vertical Load Capacity:** 20 lbs

Micrometer Drive: 0.025"/rev. (0.001" per graduation)



The MT1 Series Translation Stage features hardened steel linear bearings for precision motion and long life. We have taken a modular approach to allow the user to quickly re-configure these stages as applications change.

Our quick change modular design is achieved by utilizing precision aligned dowel pins to ensure orthogonality between stages. The stages can be purchased individually or as preconfigured multi-dimensional translators, see price box below for details.

**MT403**

Fiber Coupling Applications: The MBT series adapter allows our extensive line of fiber launch accessories to be utilized with the MT series stages.



ITEM#	METRIC ITEM#	\$	£	€	¥	DESCRIPTION
MT1	MT1/M	\$259.00	£194.25	€271,95	¥44,030	1/2" Translator Stage with Micrometers
MT3	MT3/M	\$778.00	£583.50	€816,90	¥132,260	1/2" XYZ Translator Stage with Micrometers
MT401	MT401	\$18.00	£13.50	€18,90	¥3,060	MT Series Base Plate
MT402	MT402	\$30.00	£22.50	€35,70	¥5,100	Mounting Plate
MT405*	MT405	\$49.50	£37.12	€51,98	¥8,415	MT Series Side Clamp*
MT406	MT406	\$30.00	£22.50	€31,50	¥5,100	MBT Series Adapter Plate

\*Actuator not included

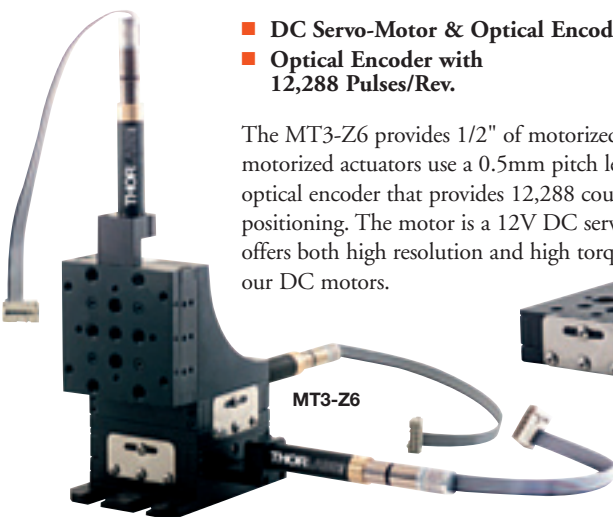
This modular, easily reconfigurable design is aided by precision alignment pins making the building process simple.

**MT402**  
**MT1**  
**MT1**  
**MT401**

# 1/2" Motorized Translation Stages

- **DC Servo-Motor & Optical Encoder**
- **Optical Encoder with 12,288 Pulses/Rev.**
- **256:1 Gear Head for High Torque**
- **Built-In Limit Switches**

The MT3-Z6 provides 1/2" of motorized motion in the x-, y- and z-axes. The motorized actuators use a 0.5mm pitch lead screw, a 256:1 gear head, and a built-in optical encoder that provides 12,288 counts per revolution to ensure sub-micron positioning. The motor is a 12V DC servo motor with an integral gear head that offers both high resolution and high torque; see page 376 for more information on our DC motors.



**MT3-Z6**



**MT1-Z6**

ITEM#	METRIC#	\$	£	€	¥	DESCRIPTION
MT1-Z6	MT1/M-Z6	\$550.00	£412.50	€557,50	¥93,500	Single Axis Motorized Translation Stage, 1/2" Travel
MT3-Z6	MT3/M-Z6	\$1,670.00	£1,252.50	€1,753,50	¥283,900	Three Axis Motorized XYZ Translation Stage, 1/2" Travel

**MT405**  
Two Piece Side Clamp Set.

MT405 Side Actuator Clamp Set Allows for Left and Right-handed Compact Configurations