

## 2" Travel Translation Stages with Coarse/Fine Drive



### Features

- Dual Resolution Coarse/Fine Drive System
- High Load Capacity
- Large Mounting Surface (3.75" x 3.75") with 1/4"-20 (M6) Tapped Holes
- Modular Design Allows Assembly of 2- or 3-Axis Stages

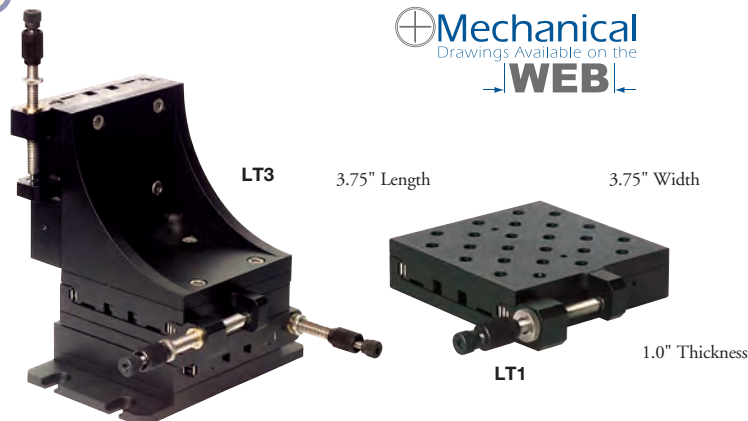
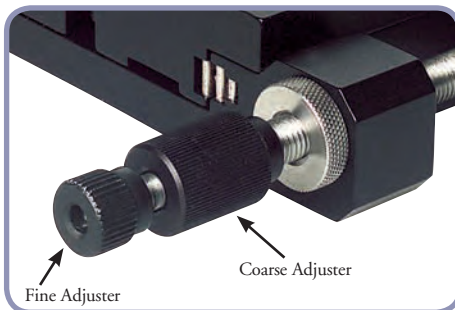
The LT Series of translation stages feature a large mounting surface with a generous array of 24 1/4"-20 (M6 x 1.0) tapped mounting holes and precision alignment holes for dowel pins that allow the individual stages to be assembled into multi-axis systems. These stages are intended for general purpose laboratory applications that often benefit from a high degree of adaptability. A dual-action coarse/fine actuator design provides both rapid motion via a coarse pitch leadscrew (18 TPI) and high-resolution motion via an ultrafine leadscrew (100 TPI) that is placed in series with the coarse adjuster. The coarse adjuster position can be fixed using the locking nut.

### Specifications

- Travel: 2.0"
- Vertical Load (Max): 40 lbs (18 kg)
- Horizontal Load (Max): 70 lbs (32 kg)
- Coarse Adjustment: 0.055"
- Coarse Thread: 18 TPI (1.4 mm/rev)
- Fine Adjustment: 0.010"
- Fine Thread: 100 TPI (0.25 mm/rev)
- Fine Adjustment Range: 0.5" (12.7 mm)
- Orthogonality: <2 mrad
- Angular Deviation: <2 mrad



### Combined Coarse and Fine Adjustment



The LT series translator is easily configured into XY, XZ, YZ, or XYZ assemblies. The LT101 Base Plate and LT102 Angle Bracket both use 1/4"-20 (M6 x 1.0) mounting screws. All the necessary mounting hardware is included with the accessories.

### XYZ Translator

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
LT3	LT3/M	\$ 1,214.00	£ 874.08	€ 1,056.18	¥ 9,675.58	XYZ Travel Translation Stage

### Single-Axis Translator

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
LT1	LT1/M	\$ 358.00	£ 257.76	€ 311.46	¥ 2,853.26	Single-Axis Translation Stage
LT101	LT101/M	\$ 48.00	£ 34.56	€ 41.76	¥ 382.56	LT Series Base Plate
LT102	LT102/M	\$ 92.00	£ 66.24	€ 80.04	¥ 733.24	LT Series Angle Bracket