

MicroMech™ Linear Stages – How to Motorize

Optics

Lenses

Mirrors & Beamsplitters

Prisms & Polarizers

Filters

Pinholes

- **Sub micrometer resolution**
- **Closed loop computer control or open loop hand control**
- **Multi-axis motorized positioning**



Opto-mechanics

Breadboards & Rails

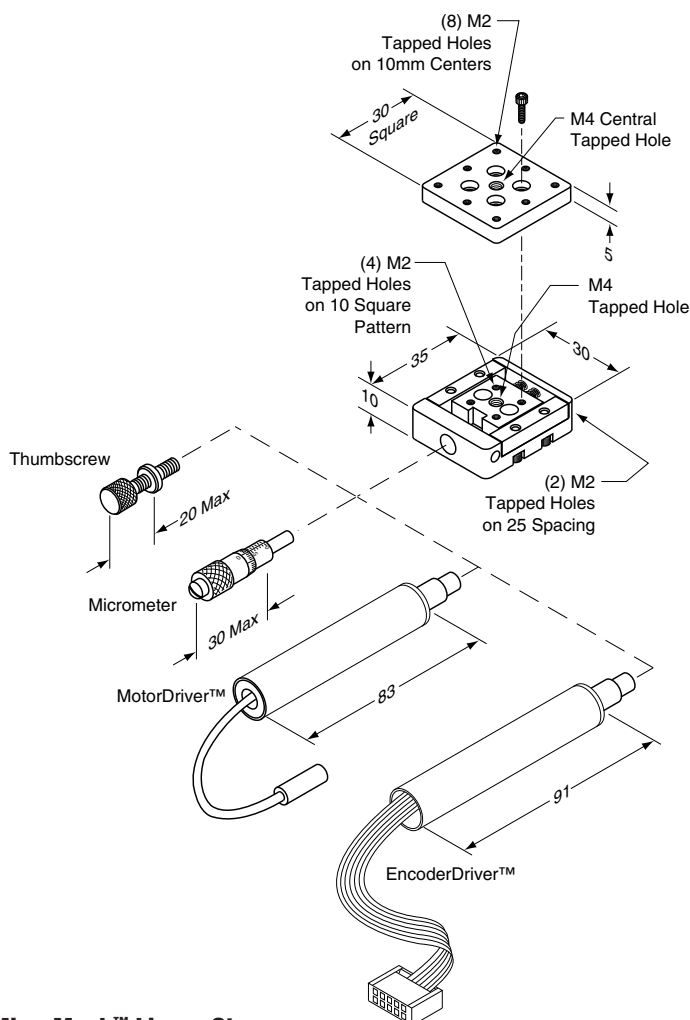
Mounting Hardware

Mirror & Component Mounts

Manual Micro Positioners

Motorized Positioners

MicroMech™ Linear Stages can be motorized by replacing the micrometer or thumbscrew with either a MotorDriver™ for remote control with 0.1 μm resolution, or an EncoderDriver™ for full motorized position control from a computer with 0.05 μm resolution.



Specifications

Travel Range: 6.5 mm

Resolution -

MotorDriver Actuator: 0.1 μm

EncoderDriver Actuator: 0.05 μm

Reading Accuracy: 1 division = 10 μm
(micrometer version only)

Load Capacity -

Horizontal: 3 kg (6.5 lb)

Vertical: 0.5 kg (1 lb)
(1 kg with drive downwards)

Hole Pattern: M2 x 10 mm sq.

Actuators for MicroMech™ Linear Stages

Catalog Number	Description	Price US
37-0221	10 mm MotorDriver Actuator	\$616.35
37-0494	10 mm EncoderDriver Actuator Package	\$1,268.40