

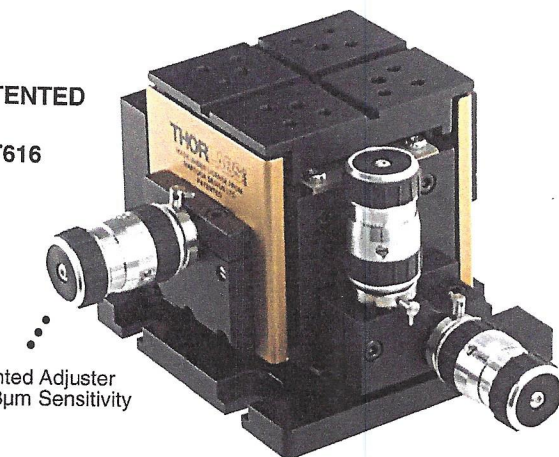
## XYZ flexure stage

WEB  
DWG

PATENTED

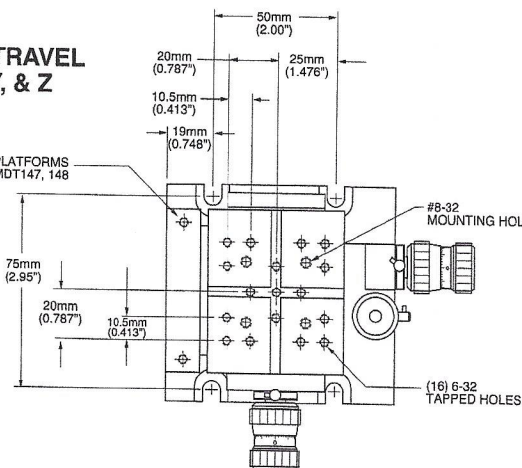
MDT616

Patented Adjuster  
<0.03µm Sensitivity



2.00mm TRAVEL  
IN X, Y, & Z

MOUNTING HOLES FOR PLATFORMS  
MDT147, 148

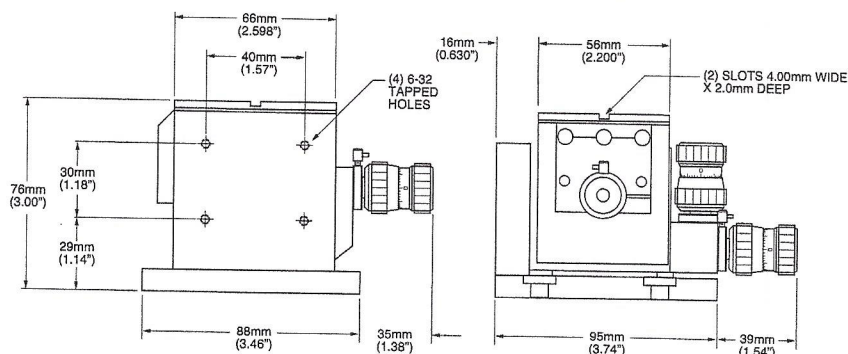


### Micromanipulation

- ▶ Better than 0.03µm Sensitivity

### Flexure Design

- ▶ Eliminates limitations of crossed roller bearings
- ▶ No friction or limit to sensitivity
- ▶ No lubrication that attracts particles thus degrading sensitivity



The MDT Series Flexure Stages are designed using precision components which provide the ultimate translator design for high precision applications. The primary drawback of the flexure design is a limited range of motion; our MDT Series provides 2mm of travel in a package that ensures long term stability. These stages find many applications in fiber optic positioning and the life sciences as micropositioners capable of nanometer level displacements.

ITEM#	\$	£	€	¥	SENSITIVITY
MDT616	\$1,480.00	£1,346.80	€1,628.00	¥251,600	Better than 0.03µm

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## XYZ flexure stage

- ▶ Sensitivity 0.2µm
- ▶ 100 TPI Adjusters
- ▶ Right Handed Standard
- ▶ Can be Configured to Left Handed

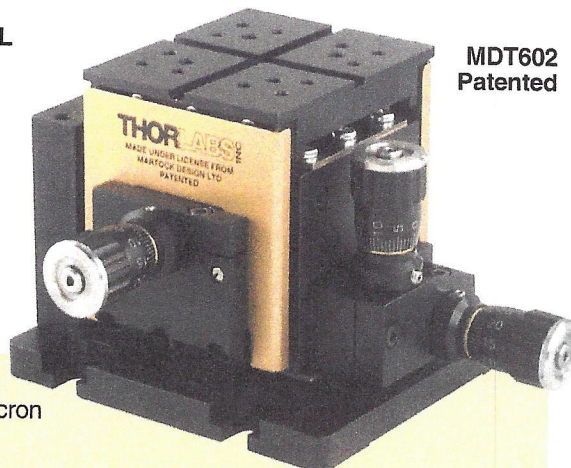
### Flexure Design

- ▶ Eliminates limitations of crossed roller bearings
- ▶ No friction or stiction to limit sensitivity
- ▶ No lubrication that attracts particles thus degrading sensitivity

WEB  
DWG

2mm TRAVEL  
IN X, Y, & Z

MDT602  
Patented



The MDT602 is based on the same mechanism as our popular MDT616 featured above. For applications that do not require sub-micron resolution this stage offers a good balance between cost and performance; the sub-micron adjusters of the MDT616 have been replaced with simple 100TPI lockable adjuster assemblies.

ITEM#	\$	£	€	¥	SENSITIVITY
MDT602	\$890.00	£809.90	€979.00	¥151,300	0.2µm

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THORLABS