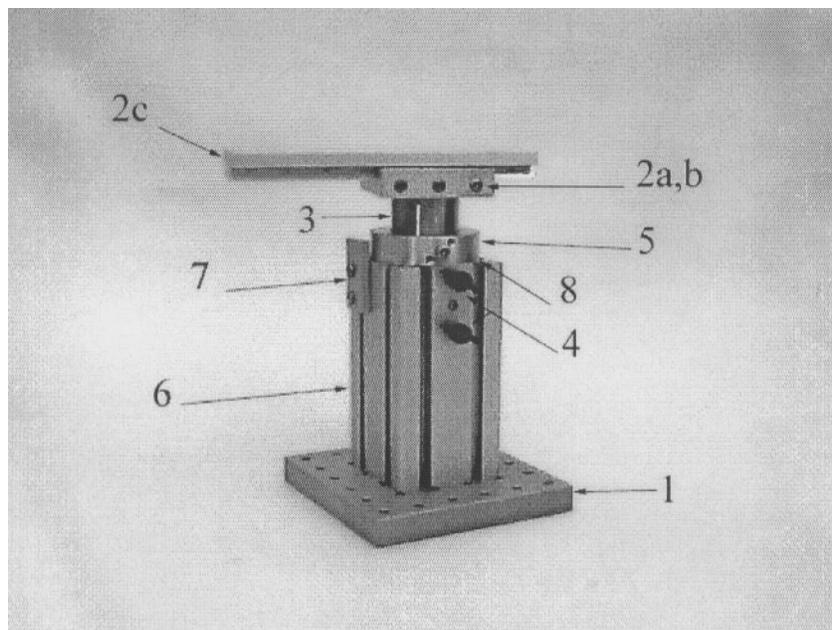


# MT-75 Manipulator Stand

## Assembly and Operating Instructions

### Parts List

- 1) Baseplate
- 2) Dovetail
  - a) saddle
  - b) clamp
  - c) slide
- 3) Post (5" stainless steel)
- 4) Post clamp
- 5) Collar
- 6) Column
- 7) Stop & stop keys
- 8) Teflon washer



## **Assembly**

The MT-75 is shipped partially assembled. The baseplate (1) and dovetail slide(2c) are removed from the system for shipping purposes. These parts can be re-assembled as follows:

- 1) Attach the column to the baseplate with the 4 allen head screws provided. Note that the column can be mounted in one of two positions; centered on the baseplate, or flush with the side of the baseplate.
- 2) Insert the dovetail slide (2c) into the dovetail saddle (2a) and clamp in position by tightening the three allen head screws in the clamp mechanism (2b).

## **Operation**

The MT-75 is designed to provide maximum flexibility for positioning manipulators or other components in an experimental setup. The height of the MT-75 can be adjusted to provide a maximum of 11 3/4" when measured from the bottom of the baseplate to the top of the slide. The minimum height is 7 3/4". The height is set by loosening the collar (5), lifting the post (3) to the desired height, and then re-tightening the collar. It is advisable to keep at least 1" of the post within the column to keep the system from tilting when the clamping pressure is applied.

The rotation of the MT-75 post is enabled by loosening the two post clamping screws (4). Tightening these screws will lock the post in place. A teflon washer (8) is mounted between the collar and the top of the column to provide a smooth rotation.

A positive stop(7) is mounted to the column with two stop keys. A protruding allen head screw in the collar prevents the post from turning past the stop point. Should you wish a full 360-degree rotation, remove the allen head screw from the collar.