

Harvard/ASI Silver Series of USA-Made Micromanipulators



Made in the USA, the silver series of 1-, 2- and 3-axis micromanipulators provide researchers with an accurate, reliable and inexpensive means to place electrodes and microtools into a microscopic environment. With our advanced dove tailed slide and lead screw technology, chatter, drift, and backlash are things of the past. Our latest addition to the series is our three-axis manipulator with the X-axis coarse and fine positioning controls on the same control knob. No more fumbling between the coarse and fine adjustments knobs while you are busy looking through a microscope.

- Unique modular design allows multiple configurations with 1, 2 or 3 axes
- Coarse and fine controls on the same dual-control knob; coarse resolution of 50 μm and fine resolution of $\sim 5 \mu\text{m}$!
- Designed by scientists, for scientists
- Advanced dovetailed slide and lead screw technology virtually eliminates chatter, drift, and backlash
- Precision machined for high accuracy and reliability
- Economical

Large calibrated knobs replace the more traditional vernier scales found on other models and provide excellent tactile feel and superior readability. These solid aluminum/stainless steel manipulators are built to the highest quality standards and will continue to do the job for years to come. Large engraved scales on every axis provide easy reference of absolute location.

The robust design and variety of holders aids researchers in mounting instruments from fine electrodes, large syringes and microtools and everything in between. Developed as a modular unit, these micromanipulators can be configured for 1-, 2- or 3-axis positioning when space is at a premium. Other combinations of coarse and fine controls are also available. With independent or combined coarse 100 μm and fine 10 μm positioning available, these versatile manipulators can handle all your needs. All of these micromanipulators are supplied with a rod mounting clamp that fits a 12 mm rod. Two other mounting clamps are available separately as well as tilt adjustment stands with breadboard, magnetic or table-top mount.

Specifications

Maximum Travel for Each Axis	30 mm (1.2 in)
Resolution:	
Coarse	50 μm
Fine	$\sim 5 \mu\text{m}$
Mounting Bracket Diameter	12 mm (0.5 in)
Overall Dimensions, H x W x D	10.2 x 15.25 x 12.7 cm (4 x 6 x 5 in)

Silver Series Micromanipulators

Right-Handed	Left-Handed	X Axis	Y Axis	Z Axis
CGS8001.38	CGS8009.38	Coarse & Fine	Coarse	Coarse
CGS 8002.38	CGS8010.38	Coarse	Coarse	Coarse
CGS 8003.38	CGS8011.38	Fine	Fine	Fine
CGS 8004.38	CGS8012.38	Fine	Coarse	Coarse
CGS8005.38	CGS8013.38	Coarse & Fine	Coarse & Fine	Coarse & Fine
CGS8006.38	CGS8014.38	Coarse & Fine	–	–
CGS 8007.38	CGS8015.38	Coarse	–	–
CGS 8008.38	CGS8016.38	Fine	–	–

Catalog No. Product

CGS 8017.38	Micromanipulator Stand with Tilt Adjustment, Breadboard Mount
CGS 8018.38	Micromanipulator Stand with Tilt Adjustment, Magnetic Mount
CGS 8019.38	Micromanipulator Stand with Tilt Adjustment, Table-Top Mount
CGS 8020.38	Micromanipulator Standard Tilting Base
CGS 8021.38	Micromanipulator Clamp, fits 10 mm rods
CGS 8022.38	Micromanipulator Clamp, fits 12 mm rods
CGS 8023.38	Micromanipulator Clamp, fits 0.5 in rods