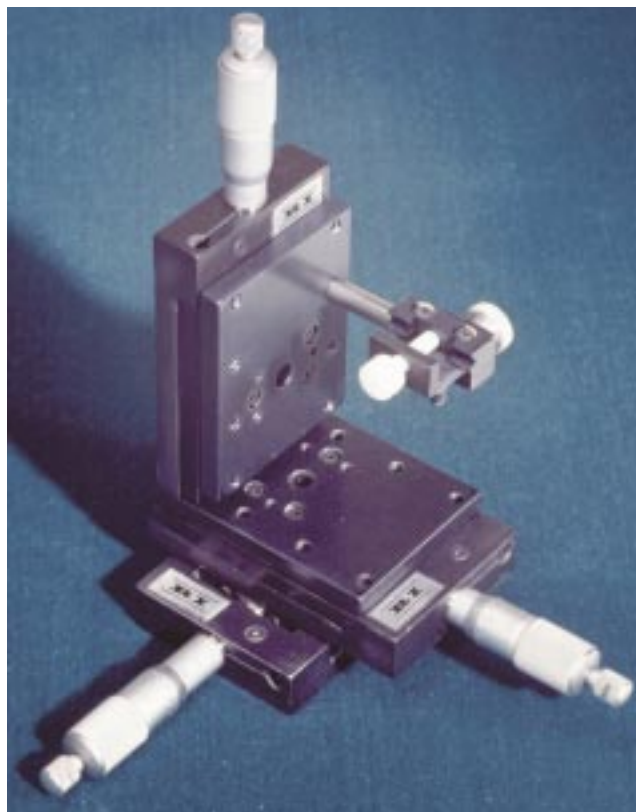


High Precision Micromanipulators with Tool Holders



High Precision Micromanipulators

- Resolution down to 2 microns
- Magnetic coupling eliminates backlash and lost motion
- Precision micrometer actuated linear slide technology
- Configurable in 1-, 2- or 3-axis models
- Left- or right-handed

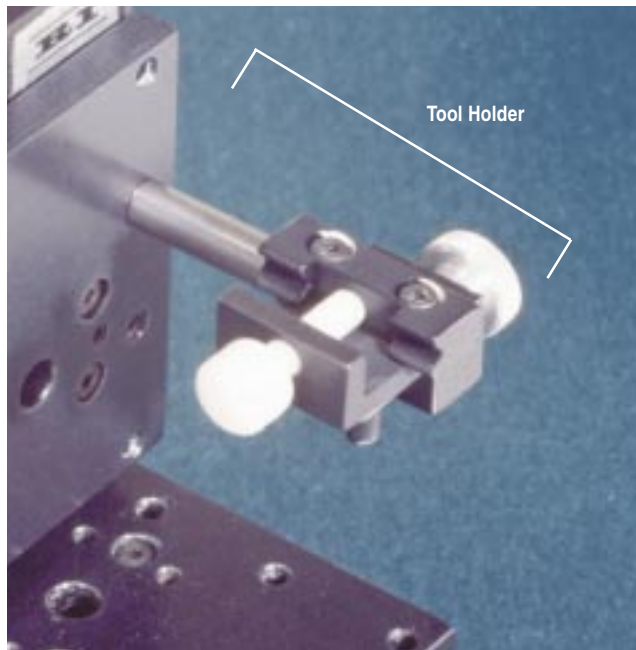
This high precision series of three axis micromanipulators are ideal for applications where the required movement is determined by coordinates or by rectilinear scanning. The precision micrometer actuated linear slide head enables positioning of the micromanipulator to an accuracy of 2 microns. Each linear slide utilizes ball bearings and a unique magnetic coupling to transmit movement of the micrometer spindle to the slide carriage. The use of this highly accurate, precision technology eliminates backlash and lost motion. Its near frictionless technology minimizes any wear providing long life with minimal maintenance.

The micromanipulator can be configured very easily for left- or right-handed use. A universal rod clamp is supplied with each micromanipulator which permits the unit to be mounted to a 10 to 12.7 mm (0.5 in) rod. A tool holder is held in place by a novel 'microtool clamp' which allows rotation of the tool holder about two axes.

Three tool holders are available and must be purchased separately. Since the 3-axis micromanipulators are made up of three identical micrometer slides, single and dual axis configurations are also available. Alternative micrometer configurations are also available.

High Precision Micromanipulators

Catalog No.	Travel	Resolution	Weight
CGS 8033.38	X/Y/Z - 13 mm	X/Y/Z - 2 μ m	665 g (23.5 oz)
CGS 8034.38	X/Y/Z - 25 mm	X/Y/Z - 2 μ m	800 g (28 oz)
CGS 8035.38	X/Y/Z - 50 mm	X/Y/Z - 2 μ m	1250 g (44.1 oz)



Tool Holders

These tool holders are for use with the High Precision Micromanipulators and the General Purpose Micromanipulators. Three sizes are available to meet most of your holding needs.

Catalog No.	Product
CGS 8036.38	Tool Holder, Clamping Range from 1 to 6 mm
CGS 8037.38	Tool Holder, Clamping Range from 0.5 to 3 mm
CGS 8038.38	Tool Holder, Clamping Range from 3 to 12.7 mm