

MANIPULATORS

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MODELS 500MT AND 500VM

The Model 500 Rectilinear Micromanipulators are designed for true linear high resolution X, Y and Z translation.

Two models are available. The Model 500MT has a rare earth magnetic base. The Model 500VM is a vacuum base version with push button vacuum release. A unique nose turret provides $\pm 45^\circ$ rotation which facilitates probe placement. Positive lock-down of the turret position is provided. The turret assembly may be removed for adaptation of special tooling as desired.

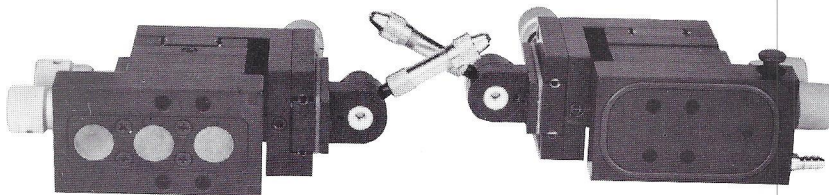
The translation of the Model 500 is smooth and precise for probing small VLSI geometries. Lead screws for all three axes have 100 threads per inch. Backlash is imperceptible when viewed under a microscope at a magnification of 200X. Translation in X, Y and Z is 0.5 inches and in all axes the translation is rectilinear.

Controls are positioned in line and are offset. The user can readily locate the desired control knob while looking through the microscope. The in-line feature also reduces the footprint significantly allowing more micromanipulators to be placed on the platen. The overall footprint is only 1.5 inches wide by 3.625 inches long. The base footprint is only 1.5 inches wide by 2.625 inches long. The Model 500 is interchangeable for left or right hand operation.



Model 500 micromanipulators are designed to show no appreciable signs of wear under normal usage for 5 years. The Micromanipulator Company's 5 year warranty on micromanipulators applies to the Model 500 MT and Model 500 VM.

All of the Micromanipulator Company's probes, probe holders, and probe accessories may be used with the Model 500 Micromanipulators.



MODEL 500MT

MODEL 500VM

MICROMANIPULATOR SPECIFICATIONS								
MODEL NUMBER	BASE OPTIONS	SENSITIVITY MICRO IN./DEGREE MICRONS/DEGREE			MAXIMUM RECOMMENDED TRAVEL			LEAD SCREW RESOLUTION THREADS PER INCH
		X-AXIS	Y-AXIS	Z-AXIS	X-AXIS	Y-AXIS	Z-AXIS	
500 MT	RARE EARTH MAGNET	29.71 .76	21.1 .54	29.71 .76	0.5 IN. 12.7MM	0.5 IN. 12.7MM	0.5 IN. 12.7MM	100 T.P.I.
500 VM	VACUUM	29.71 .76	21.11 .54	29.71 .76	0.5 IN. 12.7MM	0.5 IN. 12.7MM	0.5 IN. 12.7MM	100 T.P.I.

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