

MANIPULATORS



DATA SHEET

MA-8100

The MA-8100 provides unsurpassed versatility due to its 100 TPI (threads per inch) resolution and its ability to be used as a multi-application manipulator. The MA-8100 can be used for a variety of DC, HF, and Optoelectronic probing applications ranging from sub-micron to large I/O pads. It has independent X, Y and Z travel of 12 mm. High precision, in-line thumbscrews enable small movement, as well as placement anywhere around the platen opening without restrictions.



FEATURES AND BENEFITS

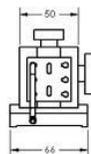
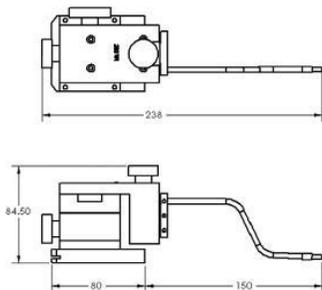
- Multi-purpose manipulator with 100 TPI resolution
- Adjustable faceplate provides additional Z travel
- Uses all SemiProbe standard DC, HF and Optical probe arms
- > 8 independent manipulators can be placed on the platen
- Ideal for internal probing (> 0.5 μm) as well as large I/O pads

SPECIFICATIONS

Feature resolution:	0.35 μm
Travel Range (X,Y,Z):	12 x 12 x 12 mm (linear motion)
Screw resolution (X,Y,Z):	100 TPI (threads per inch)
Mounting:	Vacuum, Magnetic
Dimensions:	100 x 77 x 88 mm (L, W, H)
Weight:	1,230 grams
Applications:	High precision and high resolution probing, internal device characterization, Failure Analysis, High Frequency, Emission Microscopy, Nanotechnology

Note: Data and specifications vary depending on probe system configurations and accessories

PHYSICAL DIMENSIONS



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