

MANIPULATORS



DATA SHEET

MA-9000

The MA-9000 is a small footprint, multi-purpose manipulator primarily used to probe I/O pads for numerous DC, High Frequency and Optoelectronic applications. It is rigidly built to handle additional stress when using heavy high frequency probe arms, probes and cables. It has independent X, Y and Z travel of 13 mm. Thumbscrews are in-line, which enables placement anywhere around the platen opening without restrictions - eliminating the need for dedicated left or right handed manipulators. Cross roller bearings provide precise linear motion on all three axes.



FEATURES AND BENEFITS

- Multi-Purpose - easily converted to meet a variety of applications
- Adjustable probe arm faceplate provides additional Z travel of +/- 16 mm
- Uses all SemiProbe standard probe arms - DC, HF, Optical and more
- 12 independent manipulators can be placed on the platen
- Ideal for I/O bond pad and internal probing (<1 μm)

SPECIFICATIONS

Feature resolution:	1 μm
Travel Range (X,Y,Z):	13/13/13 mm
Screw resolution (X,Y,Z):	80 TPI (standard), 100 TPI (optional)
Mounting:	Vacuum, Magnetic
Dimensions:	95 x 38 x 92 mm (L, W, H) (manipulator and magnetic base)
Weight:	12 ounces (manipulator and magnetic base)
Applications:	General purpose DC & HF measurements with appropriate probe arms

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

PHYSICAL DIMENSIONS

