

# MANIPULATORS



## DATA SHEET

### MA-8200

The MA-8200 provides unsurpassed versatility. It is unique due to its 200 TPI (threads per inch) resolution and its ability to be used as a multi-application manipulator. The MA-8200 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

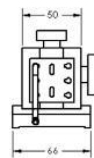
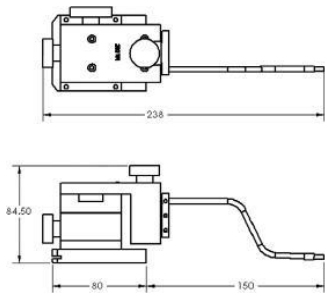
- Multi-purpose manipulator with 200 TPI resolution
- Adjustable faceplate provides additional Z travel
- Uses all SemiProbe standard DC, HF and Optical probe arms
- > 8 independent manipulators can be placed on the platen
- Ideal for internal probing (> 0.5  $\mu\text{m}$ ) as well as large I/O pads

### SPECIFICATIONS

<b>Feature resolution:</b>	0.35 $\mu\text{m}$
<b>Travel Range (X,Y,Z):</b>	12 x 12 x 12 mm (linear motion)
<b>Screw resolution (X,Y,Z):</b>	200 TPI (threads per inch)
<b>Mounting:</b>	Vacuum, Magnetic
<b>Dimensions:</b>	100 x 77 x 88 mm (L, W, H)
<b>Weight:</b>	1,230 grams
<b>Applications:</b>	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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