

# Y Probing Solutions Inc.

## MANIPULATOR MATRIX

Model Number	Application Resolution	Resolution	Travel	Pitch/ Yaw	Roll	12 Axis Arm	Suggested Probing Applications
				Travel: 5° at 8" (200mm) of extension. Resolution: < 2.0 um/ degree of knob rotation with 100 TPI			
<b>P SERIES</b>							
P32-VM	10 Micron	< 2.3 um/ DEGREE OF KNOB ROTATION w/ 32 TPI	1" (25MM) XYZ				Pad or Fine Pitch PCB
P40-VM	5 Micron	< 2.0 um/ DEGREE OF KNOB ROTATION w/ 40 TPI	1" (25MM) XYZ				Pad or Fine Pitch PCB
P100-VM	1 Micron	< 1.0 um/ DEGREE OF KNOB ROTATION w/ 100 TPI	1" (25MM) XYZ				Failure Analysis Design Verification
P200-VM	Sub Micron	< 0.38 (SUB-MICRON) / DEGREE OF KNOB ROTATION w/ 200 TPI	1" (25MM) XYZ				Failure Analysis Design Verification
<b>GP SERIES</b>							
GP-35-R-VM	5 Micron	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)				Customer Configurable Board/Fixture Testing
GP-45-L-VM	5 Micron	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)				Customer Configurable Board/Fixture Testing
GP-35-R-12AR-VM	5 Micron	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)			X	Customer Configurable Board/Fixture Testing
GP-45-L-12AL-VM	5 Micron	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)			X	Customer Configurable Board/Fixture Testing
GP2-35-R-12AR-VM	5 Micron-xyz 1Micron Pitch Yaw	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)	X		X	Microwave  Fine Pitch PCB
GP2-45-L-12AL-VM	5 Micron-xyz 1Micron Pitch Yaw	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)	X		X	Microwave  Fine Pitch PCB
<b>SI SERIES</b>							
SI-12AR-VM	5 Micron-xyz 1Micron Pitch Yaw & Roll	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)	X	X	X	Vertical / Horizontal PCB  and Microwave
SI-12AL-VM	5 Micron-xyz 1Micron Pitch Yaw & Roll	< 2.0 um/ DEGREE OF KNOB ROTATION and 40 TPI	1.25" (31.75mm)	X	X	X	Vertical / Horizontal PCB  and Microwave

