



MOTION CONTROL TECHNOLOGY

XY THETA STAGE

Small is smart / Small is beauty / Miniature brings infinity

The X-Y-Theta table features a highly integrated linear and rotary architecture that significantly reduces the overall module height while maintaining a compact footprint. Its cable-free moving structure eliminates cable drag and flexing during motion, enabling higher speed, improved reliability, and longer service life. The simplified motion design also minimizes particle generation, making the stage well suited for high-cleanliness and cleanroom applications in semiconductor and precision automation equipment.



APPLICATION

- Wafer Inspection & Metrology
- Probe Station Fine Alignment
- IC / Device Testing
- Optical & Sensor Testing
- Die / Flip-Chip Alignment
- Camera Module Calibration & Testing

SPECIFICATION

XY theta	Stage Specifications		
Stroke	X: 10 mm	Y: 10 mm	Θ : 360°
Repeatability	X: $\pm 1 \mu\text{m}$	Y: $\pm 1 \mu\text{m}$	Θ : $\pm 2 \text{ arcsec}$
Payload	5 kg		
Total Weight	5.5 kg		

Remarks: Brake available as an option

2026.08.14 Printed in Taiwan

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