

Indent Name: **Motion Manipulation Stages**

Motorized Rotation Stage with Controller

Quantity: 2 Nos.

Detailed Specifications:

Parameters	Values
Rotating Disc Diameter	100 ± 10 mm
Through Hole Diameter	>= 25 mm
Axial Load Capacity	>= 20 kg
Travel	360 degree continuous
Absolute positioning accuracy	<= 0.2 degree
Resolution	<= 0.1 degree
Maximum speed	>= 5 degree/second
Mounting holes (for external objects)	M6 (metric) Tapped hole grid of spacing <= 25mm
Construction	Aluminum alloy/ Stainless Steel
Finish	Black anodized
Actuator	Stepper Motor
Drive	Precision worm gear and shaft assembly
Homing	Optical/Magnetic Homing or equivalent
External dimensions	<200mm(Length/Width) ; <60mm(height)
Controller & Software	Compatible controller (for each stage) and associated software required (to be quoted together with the stage)
Warranty	1 year on manufacturing defects

Dual Axis Goniometric Stage

Quantity: 3 Nos.

Detailed Specifications:

Parameters	Values
Number of Stages	2 (stacked on top of each other with common axial point)
Rotation Center Height from stage top / carriage	50mm

Travel (of both individual stages)	$> \pm 5$ degree (or wider range)
Readout (of both stages)	Markings at less than or equal to 1 degree
Stage construction material (of both stages)	Stainless Steel
Tapped Holes on stage top / Carriage (of both stages)	M6 tapped holes at 25mm grid spacing
Mounting Holes on the base (of both stages)	Compatible to M6
Carriage Dimensions	≤ 70 mm (length) ; ≤ 70 mm (width); 25mm (height/thickness of each stage)
Load Capacity	≥ 3 kg vertical
Drive	Precision Worm Gear