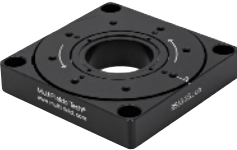


65 mm

- RS65.Lab, Rotary ➡
- GS65-77.Lab, Goniometer ➡
- GS65-97.Lab, Goniometer ➡
- LS65z.Lab, Elevation ➡
- LS65x.Lab, Linear ➡
- LS65x.Lab, Linear ➡



Angular Motion Unit			
Tx	Ty	Tz	
			35 mm
GS35 - 35.Lab series	GS35 - 55.Lab series	RS35.Lab series	
			65 mm
GS65 - 77.Lab series	GS65 - 97.Lab series	RS65.Lab series	
			80 mm
			105 mm
.NM Non-magnetic, .HV, High Vacuum Version, .UHV, Ultra High Vacuum Version			

“Lab Series”

Balance of Speed, Load and Size

Environment ➡

Standard

Atmosphere

	Size ⌵	Motion Direction ⌵	Product Code ⌵	
Standard 2 nm Optical Sensor	35 × 35 mm	X	LS35x.Lab	✓
		Z	LS35z.Lab	✓
		Rz	RS35.Lab	✓
		Tx	GS35-35.Lab	✓
		Ty	GS35-55.Lab	✓
	65 × 65 mm	X	LS65x.Lab	✓
		Z	LS65z.Lab	✓
		Rz	RS65.Lab	✓
		Tx	GS65-77.Lab	✓
		Ty	GS65-97.Lab	✓
Cost Effective 50 nm Optical Sensor	35 × 35 mm	X	LS35x.Lab.E	✓
		Rz	RS35.Lab.E	✓
	65 × 65 mm	X	LS65x.Lab.E	✓
		Rz	RS65.Lab.E	✓
Advanced 0.5 nm Optical Sensor	35 × 35 mm	X	LS35x.Lab.adv	✓
		Z	LS35z.Lab.adv	✓
	65 × 65 mm	X	LS65x.Lab.adv	✓
		Z	LS65z.Lab.adv	✓

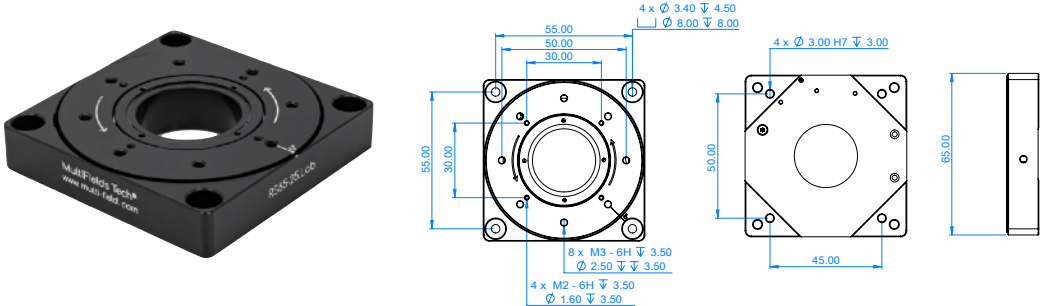
“Lab series” Rotary Stage — RS65.Lab

Balance of Speed, Travel Range and Resolution, Quiet Motion

➔ Feature

- Quiet Motion
- Self-lock
- Clear Aperture
- Nanometer Resolution
- Optical Sensor Inside
- Stackable with other Lab series stage

➔ Photo & Drawing



➔ Specification

		RS65.Lab	RS65.Lab.E
1	Optional	.HV, High Vacuum Version; .UHV, Ultra High Vacuum Version; .NM , Non-magnetic Version;	/
2	Footprint x Height	65 × 65 × 13 mm	
3	Material	Standard, .NM Aluminum; .HV .UHV Ti	Aluminum
4	Mass	200 g	
5	Travel Range	360 °	
6	Driving Frequency	Max. 20 kHz	
7	Cable & Connector	Standard/HV, shield cable and D-Sub15 plug; UHV, Kapton, PEEK D-Sub15	
8	Aperture	25.4mm	
9	Max. Velocity	~ 10 °/s*(Reduce to 10% in Vacuum)	
10	Minimum Incremental Motion (Close-loop)	3 μrad	10 μrad
11	Unidirection Repeatability	±5 μrad	±20 μrad
12	Max. Payload (horizontal mounting)	2 kg	
13	Holding Force	100 N·mm	
14	Driving Torque	40 N·mm	
15	Rotary Diameter	62 mm	
16	Sensor Type	Optical Sensor	
17	Sensor Resolution	0.07 μrad	2 μrad
18	Controller	MC-Newton.S series	

* For detail drawing and 3D model please contact us.