

# LabStandardCOMPACT

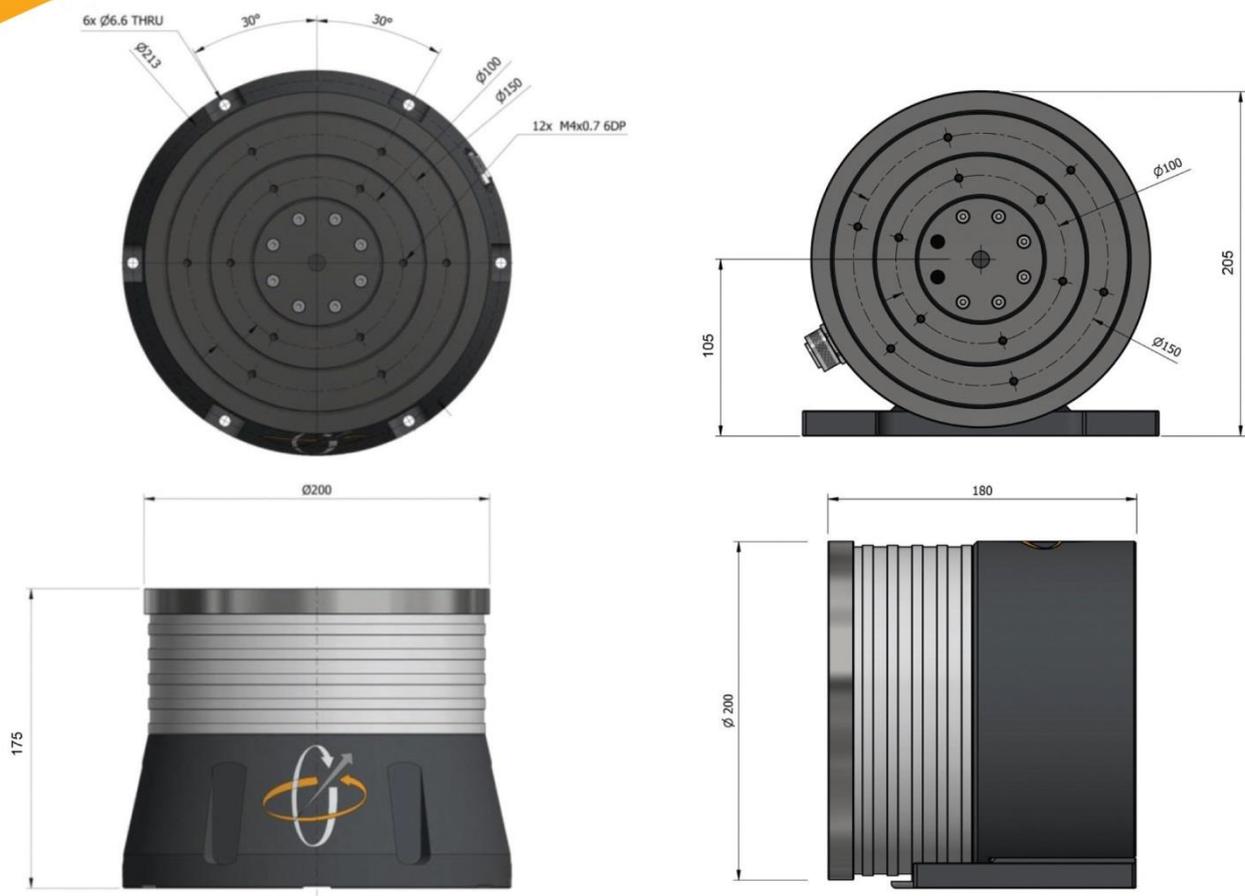
## HIGH PRECISION ANGULAR POSITIONING, CALIBRATION AND GEOMETRY INSPECTION

Ultra precise rotary tables intended for fine inspection, metrology and test applications.

Designed for horizontal or vertical applications with self-locking worm gearing and a high accuracy angular encoder ensures sensitivity and fine positioning for metrology and precision testing.

### Measurement Capacity:

- Size Ø200mm
- Vertical or Horizontal axis
- Load capacities up to 100kgs or 20Nm
- Rotation speed 10 rpm
- Zero backlash drive
- Angular accuracy 10 or 2 arc seconds
- Angular repeatability 0.5 arc seconds



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Technical Data	QD	Units	LabStandardCOMPACT			
			Vertical Axis		Horizontal Axis	
Load Capacity		kgs	100			
Maximum Tilt Moment		Nm	20			
Maximum Acceleration @ Min Inertia		Rad/s <sup>2</sup>	10			
Maximum Acceleration @ Max Inertia			5			
Maximum Polar Inertia		kgm <sup>2</sup>	0.5			
Angular Positioning Accuracy	12-09	Arc seconds	2	10	2	10
Coning of Table Axis	12-35		+/-0.5			
Angular Resolution (Options Available)	12-56		0.18 (x400)			
Angular Repeatability	12-57		0.5	1	0.5	1
Drive Ratio			160:1			
Maximum rpm		rpm	10			
Rotation Error of Table Top	12-06	mm	0.005			
Flatness of Table Top	12-07		0.005			
Parallelism of Table Top To Base	12-08		0.008	N/A		
Radial Runout of Table Axis	12-10		0.001			
Axial Runout of Table Axis	12-11		0.001			
Squareness	12-37		N/A	N/A		