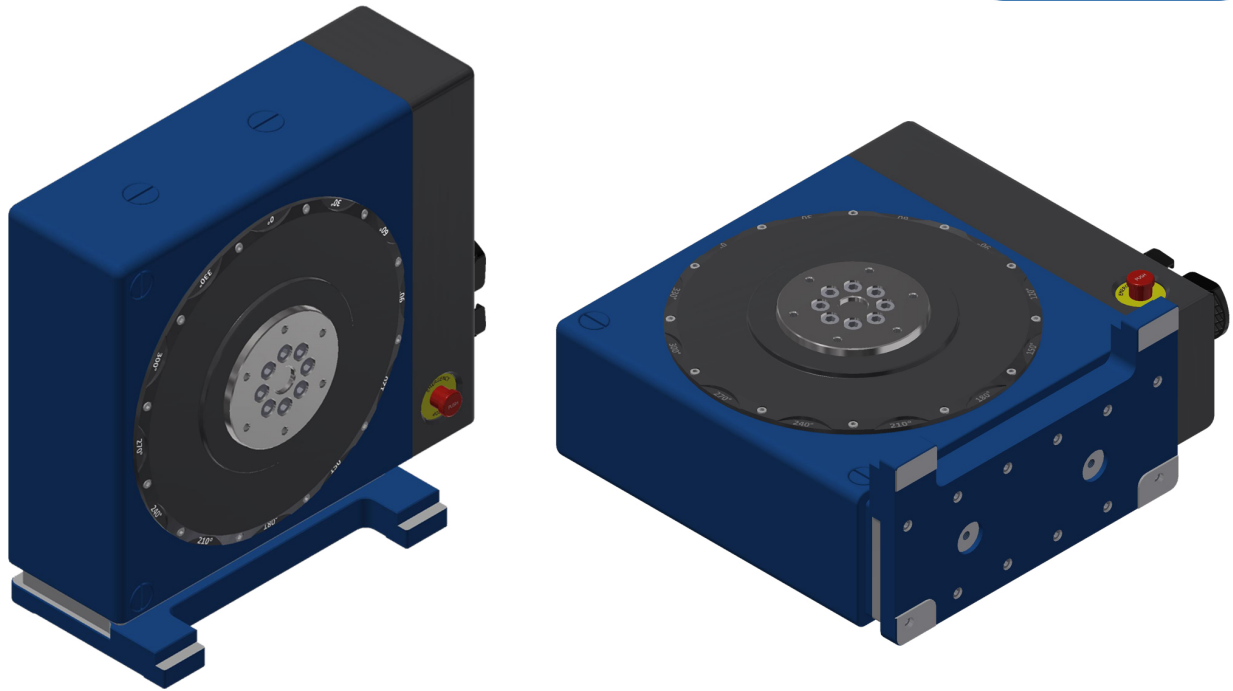




LabScan

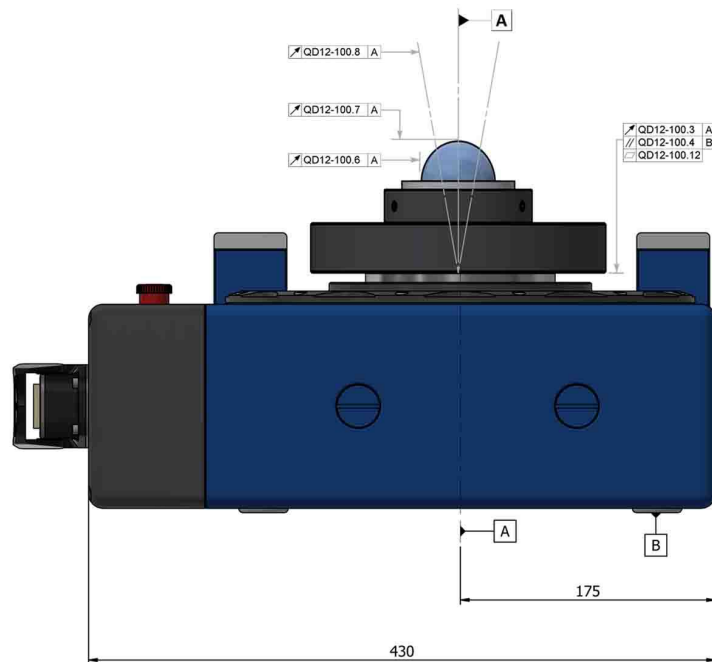
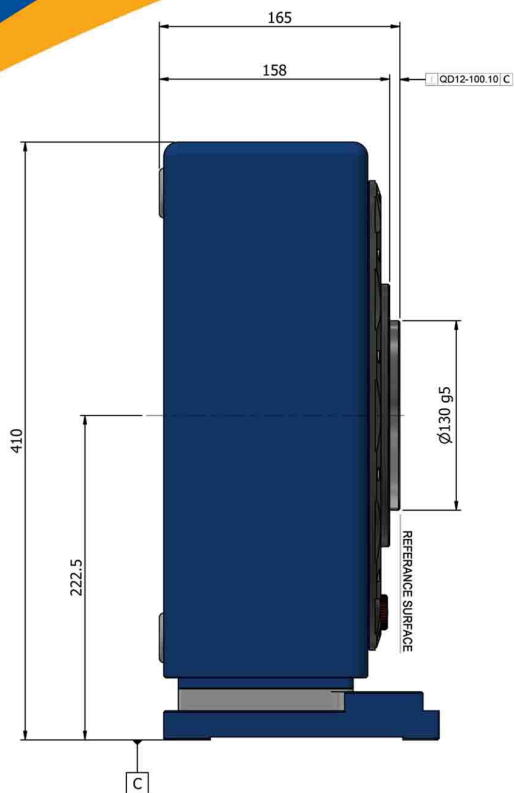
HIGH PRECISION ANGULAR POSITIONING, CALIBRATION AND GEOMETRY INSPECTION

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

Designed for horizontal and vertical applications with zero backlash gearing and a high accuracy angular encoder ensures sensitivity and fine positioning for metrology and precision testing.

Measurement Capacity:

- Horizontal or vertical applications
- Optional table top sizes Ø250 mm, Ø300 mm, and Ø400 mm
- Overall height 165 mm (axis vertical)
- Centreline height 222.5 mm (axis horizontal)
- Load capacities up to 600 kgs
- Tilt moment up to 310 Nm
- Fail safe clamp
- Angular accuracy 2, 1, or 0.5 arc seconds



LabScan SPEC						
	Technical Data	RPI QD Number	Units	LabScan2	LabScan +	LabScanULTRA
Accuracy	Angular Positioning Accuracy**	QD12-100.5	Arc Seconds	2	1	0.5
Precision	Radial Error Motion	QD12-100.6	µm	1		
	Axial Error Motion	QD12-100.7		0.5		
	Tilt Error Motion	QD12-100.8	Arc Seconds	+/- 0.5		
	Total Face Runout (Spindle)	QD12-100.3	µm	3		
	Parallelism (Spindle)	QD12-100.4		6		
	Squareness (Spindle)	QD12-100.10		4		
Drive assembly	Load Capacity	N/A	kgs	600		
	Maximum Continuous Torque		Nm	160		
	Maximum Polar Inertia		Kgm ²	10		
	Maximum Tilt Moment		Nm	310		
	Maximum rpm		rpm	4		
	Weight Without Table Top		kgs	57		
Interface	Pivot Shaft OD	N/A	mm	Ø130 g5		
	Centre Line Height			222.5		
Options	Total Face Runout (Table Top)*	QD12-100.3	µm	5		
	Flatness (Table Top)*	QD12-100.12				
	Parallelism (Table Top)*	QD12-100.4		6		
	Squareness (Table Top)*	QD12-100.10		4		

QD56-23-A

Additional information available on request

* As An Option

** The total bi-directional Angular Accuracy of the system including the effects of bi-directional Repeatability with a coverage factor of k = 2.