



QuadProfile

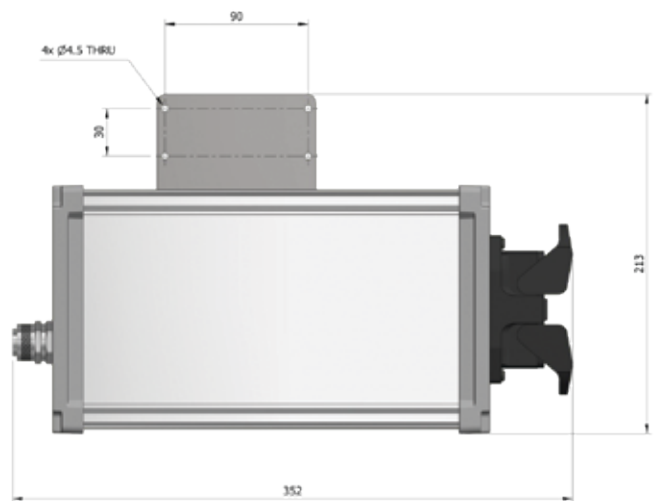
Additional Rotary Axis for High Precision Co-Ordinate Measurement Machines. All Quadrant products are ISO 10360 part 3 compliant.

Precision rotary axes specifically developed to increase the flexibility, productivity and efficiency of your CMM.

The smallest rotary table in the Quadrant range that delivers high speed measurement of smaller parts such as inner engine blades and gears.

Measurement Capacity:

- Size Ø200mm
- Overall height 175mm
- Load capacities up to 100kgs
- Rotation speed 10 rpm
- Zero backlash drive
- Angular accuracy 2 arc seconds
- Angular repeatability 0.5 arc seconds



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Technical Data	QD	Unit	QuadProfile 200	
			2 Arc Second Positioning Accuracy	10 Arc Second Positioning Accuracy
Load Capacity		kgs	100	
Maximum Tilt Moment		Nm	20	
Coning of Table Axis	12-35	Arc seconds	+/-1	
Maximum Acceleration @ Min Inertia		Rad/s ²	5	
Maximum Acceleration @ Max Inertia		Rad/s ²	5	
Maximum Polar Inertia		kgm ²	0.5	
Angular Positioning Accuracy		Arc seconds	2	10
Angular Resolution (Options Available)	12-56	Arc seconds	0.18 (x400)	0.18 (x400)
Angular Repeatability	12-57	Arc seconds	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		0.010	
Parallelism of Table Top To Base	12-08		0.001	
Radial Runout of Table Axis	12-10			
Axial Runout of Table Axis	12-11			