



## QuadSlimLine

**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.

Low profile rotary table with an extensive measurement range where typical applications include inspection of rotors, disks, blisks and gears.

### Measurement Capacity:

- Sizes Ø400mm, Ø600mm, Ø800mm, Ø1000mm and Ø1500mm
- Overall height 150mm, 160mm and 200mm
- Load capacities up to 7,000kgs
- Zero backlash drive
- Angular accuracy 2 arc seconds
- Angular repeatability 0.5 arc seconds



## QuadSlimLine

Technical Data	QD	Units	QuadSlimLine 400MB		QuadSlimLine 600MB		QuadSlimLine 800MB		QuadSlimLine 1000MB		QuadSlimLine 1500MB	
			Grade 1	Grade 2	Grade 1	Grade 2	Grade 1	Grade 2	Grade 1	Grade 2		
Load Capacity		kgs	1000		1700		3000		5000		7000	
Maximum Tilt Moment		Nm	550		1500		4000		7000		10000	
Coning of Table Axis	12-35	Arc seconds	+/-0.5									
Maximum Acceleration @ Min Inertia		Rad/s <sup>2</sup>	13.94		3.55		1.69		0.69		0.19	
Maximum Acceleration @ Max Inertia		Rad/s <sup>2</sup>	0.85		0.32		0.15		0.09		0.02	
Maximum Polar Inertia		kgm <sup>2</sup>	20		65		205		440		2000	
Angular Positioning Accuracy		Arc seconds	2 (optional 1, 5, 10)									
Angular Resolution (Options Available)	12-56	Arc seconds	0.09									
Angular Repeatability	12-57	Arc seconds	0.5									
Drive Ratio			354:1		508:1		660:1		818:1		1126:1	
Maximum rpm		rpm	5				4		3		2	
Rotation Error of Table Top	12-06	mm	0.002	0.005	0.002	0.005	0.002	0.008	0.005	0.008	0.010	
Flatness of Table Top	12-07		0.003		0.003		0.004				0.012	
Parallelism of Table Top To Base	12-08		0.002	0.002	0.002	0.015						
Radial Runout of Table Axis	12-10		0.0004	0.0005	0.0004	0.0005	0.0004	0.0005	0.0004	0.0005		
Axial Runout of Table Axis	12-11		0.0002		0.0002		0.0002		0.0002			
Concentricity of Centre Bore	12-36		0.0025									

Units	Dimensions									Weight
	ØA	ØD	G	H	h	L	P	W		
	MM									kgs
QuadSlimLine 400	480	400	500	150	130	760	370	520		125
QuadSlimLine 600	680	600	640	160	140	1000	540	720		370
QuadSlimLine 800	880	800	740			1200		920	600	
QuadSlimLine 1000	1080	1000	880	200	180	1400		1120	1150	
QuadSlimLine 1500	1580	1500	1090			1900	1620	2000		
Flexible Tooling Interface	HSK, Lang, Schunk, Gewefa (other options available on request)									