

5axis rotary table specifiction (SC-T100)

Advantages

The 5 axis rotary table is Roller CAM Driver one of the finest motion control mechanisms available. The unit is constructed from an input shaft (the roller gearcam) and a turret (output shaft) fitted with roller followers. The roller followers are preloaded against a screw-like input shaft to completely eliminate backlash. Our proprietary adjustment mechanism provides optimum preload. The roller followers lanted in the turret use internal roller bearings to transfer torque while rotating. This ensures zero backlash, outstanding precision, and excellent efficiency without causing wear, while providing long-term consistent accuracy

1、 No backlash(play) during the clockwise/anti-clockwise rotation



2、 No wear because power transfers through rolling contact

3、 High accuracy and good efficiency

4、 Preload and high rigidity



Specs

Description		Unit	SC-T100	
Table Diameter		mm	100	
Center Height (Vertical)		mm	202	
Diameter of Table Central Hole		mm	φ40H7	
T-Slot		mm	14h7	
Allowable Workpiece Load	Vertical 	kg	20	
	Horizontal 	kg	30	
Net Weight (servo motor excluded)		kg	120	
Axis		/	Rotary axis	Tilt axis
Cooling System		/	Free Colling	
Transmission Mechanism		/	Roller Gear Cam	
Angle range		/	360°	20°~~120°
Min. Increment		deg.	0.001	0.001
Speed Reduction Ratio		/	1/48	1/60
Rated / Max. Speed		rpm.	60	50
Indexing Precision		sec.	±30	±40
Repeatability		sec.	±4	±4
Clamping System(Hydraulic)		Mpa	No brake	No brake
Clamping Torque		N.m	/	/
Servo Motor Model	FANUC	Taper / Straight	αis2 /βis2	αiF4 /βis4
	MITSUBISHI	Straight	KP43	KP73
	BROTHER	Straight	R2AA08075	R2AA08100
	YASKAWA	Straight	SGMGV-04A	SGMGV-08A