



Tsudakoma Rotary Tables • Alberti Precision Tooling • Koma Specialty Tooling

Large Capacity Rotary Table



TTNC-1500



Tsudakoma TTNC-1500

This large capacity rotary table features a 59" diameter faceplate with a maximum work weight of 5,500 lbs. This high power tilting table is perfect for machining the big stuff!



20 Thompson Road, East Windsor, CT 06088 • 1-800-249-KOMA • Fax 860-623-4132
www.komaprecision.com • info@komaprecision.com



TTNC-451

TTNC-451, 631, 1001, 1500

HIGH POWER, LARGE TILTING ROTARY TABLES

These large tilting tables feature massive hydraulic clamping torque. The TTNC-1500 is a custom table.



Model		TTNC-451		TTNC-631		TTNC-1001		TTNC-1500	
Tilt Range		-10° ~ +95°		-10° ~ +95°		-20° ~ +110°		-30° ~ +95°	
Table diameter		450		630		1,000		1,500	
Table height at 0° position		425		585		900		1,155	
Center height at 90° position		325		450		700		1,055	
Center bore	Nose Diameter	140H7		180H6		75H7		75H7	
	Thru Diameter	140		180		-		-	
Table T-slot width		14H7		18H7		22H7		28H7	
Guide block width		18h7		18h7		-		-	
Servo motor (Fanuc)*		Rotary	Tilt	Rotary	Tilt	Rotary	Tilt	Rotary	Tilt
		Alpha 12i	Alpha 12i	Alpha 12i	Alpha 12i	Alpha 22i	Alpha 30i	Alpha 30i	Alpha 30i
Maximum motor speed	rpm	3,000	3,000	3,000	3,000	2,000	2,000	2,000	2,000
Speed reduction ratio		1/180	1/360	1/180	1/360	1/360	1/1,440	1/720	1/1,440
Maximum table speed	rpm	16.7	8.3	16.7	8.3	5.6	1.4	2.7	1.4
Inertia converted into motor shaft x 10 ⁻³ kg.m ²		1.98	2.7	5.42	3.77	4.37	4.1	5.37	7.46
Clamp system**		Hydraulic @500psi	Hydraulic @500psi	Hydraulic @500psi	Hydraulic @500psi	Hydraulic @1,000psi	Hydraulic @1,000psi	Hydraulic @500psi	Hydraulic @500psi
Clamp torque	Nm (ft. lbs.)	980 (722)	980 (722)	4,410 (3,250)	2,352 (1,733)	9,800 (7,223)	19,600 (14,445)	12,000 (8,844)	12,500 x (2) (9,213) x (2)
Indexing accuracy	arc sec.	± 7.5	-	± 7.5	-	± 7.5	-	± 10	-
Indexing repeatability	arc sec.	±2	-	±2	-	±2	-	±2	-
Tilting accuracy	arc sec.	-	± 30	-	± 30	-	± 30	-	± 22.5 (scale)
Tilting repeatability	arc sec.	-	±2	-	±2	-	±2	-	±4
Net Weight	kg (lbs.)	780 (1,716)		1,700 (3,740)		4,600 (10,120)		12,000 (26,400)	
Allowable wheel torque - rotary	Nm (ft. lbs.)	1,666 (1,228)		3,284 (4,420)		13,230 (9,751)		21,560 (15,890)	
Allowable work inertia	kg.m ²	5.1		29.7		312.6		2,255	
Allowable work weight kg (lbs)	0° tilt angle	200 (440)		600 (1,320)		2,500 (5,500)		2,500 (5,500)	
	0° ~ 90° tilt angle	150 (330)		300 (660)		1,500 (3,300)		1,500 (3,300)	
Allowable work moment	Nm (ft. lbs.)	294 (217)		980 (722)		7,840 (5,778)		7,840 (5,778)	
Allowable load when table clamped	Nm (ft. lbs.)	980 (722)		4,410 (3,250)		9,800 (7,223)		12,000 (8,844)	
	Nm (ft. lbs.)	980 (722)		2,352 (1,733)		19,600 (14,445)		12,500 x (2) (9,213) x (2)	

*Other motors & rpm available • Specifications subject to change without notice • Dimensions = mm • **Booster optional



Koma Precision Inc. • 20 Thompson Road, East Windsor, CT 06088 • 1-800-249-KOMA Fax: 860-623-4132

www.komaprecision.com • info@komaprecision.com