



Manual Tilt Rotary Tables

- ▶ Automated rotating axis with manual tilting axis
- ▶ Dual lead worm system
- ▶ High rigidity allowing for heavy loads
- ▶ Rotating axis can be tied into the machine or run from a stand-alone control

Item/Model No.		TRM-202	TRM-252	TRM-322	TRM-402	TRM-502	TRM-632						
Diameter of Table		mm / inch	Ø200 / 7.87"	Ø250 / 9.84"	Ø320 / 12.59"	Ø400 / 15.74"	Ø500 / 19.68"	Ø630 / 24.80"					
Diameter of Thru-hole		mm / inch	Ø35 / 1.37"	Ø70 / 2.75"	Ø110 / 4.33"	Ø150 / 5.90"	Ø180 / 7.08"	Ø254 / 10.00"					
Overall Height in Horizontal		mm / inch	275 / 10.83"	343 / 13.50"	365 / 14.37"	425 / 16.73"	480 / 18.90"	580 / 22.83"					
Center Height in Vertical		mm / inch	190 / 7.48"	240 / 9.45"	275 / 10.83"	290 / 11.42"	345 / 13.58"	440 / 17.32"					
Overall Height in Vertical		mm / inch	635 / 25.00"	700 / 27.56"	780 / 30.71"	844.5 / 33.25"	935 / 36.81"	1135 / 44.69"					
Width of T Slot		mm / inch	12 ^{H7}	12 ^{H7}	14 ^{H7}	14 ^{H7}	18 ^{H7}	18 ^{H7}					
Width of Guide Block		mm / inch	18 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}					
Clamping Torque	Pneumatic (6kg/cm ²)	kgf•m / ft•lb	25 / 181	47 / 340	71 / 514	92 / 665	125 / 904	350 / 2532					
	Hydraulic (20kg/cm ²)		50 / 362	94 / 680	142 / 1027	184 / 1330	250 / 1808	700 / 5063					
Servo Motor Type		Rotating Axis	Tilting Axis	Rotating Axis	Tilting Axis	Rotating Axis	Tilting Axis	Rotating Axis	Tilting Axis	Rotating Axis	Tilting Axis	Rotating Axis	Tilting Axis
	FANUC	α4i	Manual	α8i	Manual	α12i	Manual	α12i	Manual	α22i	Manual	α22i	Manual
	MITSUBISHI	HF-103		HF-153		HF-203		HF-203		HF-353		HF-353	
	SIEMENS	1FK7060		1FK7063		1FK7083		1FK7083		1FK7101		1FK7101	
HEIDENHAIN	QSY116E	QSY116E		QSY155B		QSY155B		QSY155D		QSY155D			
Total Reduction Ratio		deg.	1:90	1:90	1:90	1:90	1:90	1:180	1:180	1:180	1:180	1:180	1:180
MAX. Rotation Speed (Motor:2000 RPM)		rpm	22.2	22.2	22.2	22.2	22.2	11.11	11.11	11.11	11.11	11.11	11.11
Tilting Degree		deg.	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°	0-100°
Indexing Accuracy		sec.	25"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"
Repeatability Accuracy	Unidirectional	sec.	8"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
	Bidirectional	sec.	16"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"
MAX. Work Load	Horizontal	kg / lbs	100 / 220	125 / 276	150 / 331	300 / 661	350 / 772	400 / 882	400 / 882	400 / 882	400 / 882	400 / 882	400 / 882
	Vertical	kg / lbs	200 / 441	300 / 661	350 / 772	500 / 1102	600 / 1323	800 / 1764	800 / 1764	800 / 1764	800 / 1764	800 / 1764	800 / 1764
MAX. Thrust Load	F	kgf•m / ft•lb	600 / 4340	1208 / 8737	1375 / 9945	1585 / 11,464	1880 / 13,598	2080 / 15,045	2080 / 15,045	2080 / 15,045	2080 / 15,045	2080 / 15,045	2080 / 15,045
	FxL	kgf•m / ft•lb	16 / 116	18 / 130	26 / 188	36 / 260	89 / 644	185 / 1338	185 / 1338	185 / 1338	185 / 1338	185 / 1338	185 / 1338
	FxL	kgf•m / ft•lb	20 / 145	72 / 520	92 / 665	122 / 882	165 / 1193	228 / 1649	228 / 1649	228 / 1649	228 / 1649	228 / 1649	228 / 1649
N.W.		kg / lb	90 / 198	200 / 441	310 / 683	380 / 838	600 / 1323	1000 / 2205	1000 / 2205	1000 / 2205	1000 / 2205	1000 / 2205	1000 / 2205