



Technical Rotary Services, Inc.
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~Precision Rotary Table Specialists~
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ROTAB MODEL TRT Tilting Rotary Table Specifications
120 ARC SECOND ROTARY AXIS MODELS (2 Arc Minutes)

MODEL NUMBER	12-120	18-120	24-120	36-120	48-120	60-120	72-120	84-120
FACEPLATE DIA.	12"	18"	24"	36"	48"	60"	72"	84"
TABLE CENTER HOLE	#2 M.T.	#2 M.T.	#4 M.T.	#4 M.T.	#4 M.T.	#4 M.T.	#4 M.T.	#4 M.T.
NUMBER OF T-SLOTS	4	6	8	8	8	8	8	16
SIZE OF T-BOLTS	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	5/8"	3/4"
ROTARY AXIS DRIVE-Std.	MANUAL	MANUAL	MANUAL	MOTOR	MOTOR	MOTOR	MOTOR	MOTOR
TILT AXIS DRIVE-Std.	MANUAL	MANUAL	MANUAL	MOTOR	MOTOR	MOTOR	MOTOR	MOTOR
ROTARY POSITION DISPLAY	-----GRADUATED RING WITH 2 MINUTE VERNIER-----							
ROTARY TABLE GRADUATIONS	-----360 DEGREE GRADUATED RING-----							
TILT POSITION DISPLAY	-----95 DEGREE TILT AXIS SCALE WITH MATCHING 2 MINUTE VERNIER-----							
TILT AXIS ACCURACY	-----2 ARC MINUTES WITH TILT SCALE AND VERNIER-----							
TILT RANGE	-----95 DEGREES (3 DEGREES PAST HORIZONTAL, 2 DEGREES PAST VERTICAL)-----							
FACEPLATE FLATNESS	.0004"	.0005"	.0007"	.001"	.0012"	.0015"	.0016"	.0018"
PARALLELISM	.0004"	.0004"	.0005"	.0006"	.0007"	.0008"	.001"	.0012"
AXIAL/RADIAL RUN-OUT	.0003"	.0003"	.0004"	.0004"	.0005"	.0008"	.0008"	.0008"
LOAD CAPACITY	75 ft/lb	300 ft/lb	450 ft/lb	1800 ft/lb	2800 ft/lb	8500 ft/lb	7500ft/lb	6500 ft/lb
APPROX. SHIPPING WEIGHT	157 lb	275 lb	975 lb	1950 lb	3850 lb	9100 lb	12100 lb	14100 lb

All accuracy measurements are Total Indicator Readings (TIR). Radial Flatness is measured 1" from the outside edge of the rotary table. Axial Run-out is the Total Indicator Reading (TIR) about a true sphere centered on the axis of rotation. Radial Run-out is the Total Indicator Reading (TIR) on top of a true sphere centered on the axis of rotation. Heavy Duty Models, Motorized Models, Digital Readout Systems available upon request.