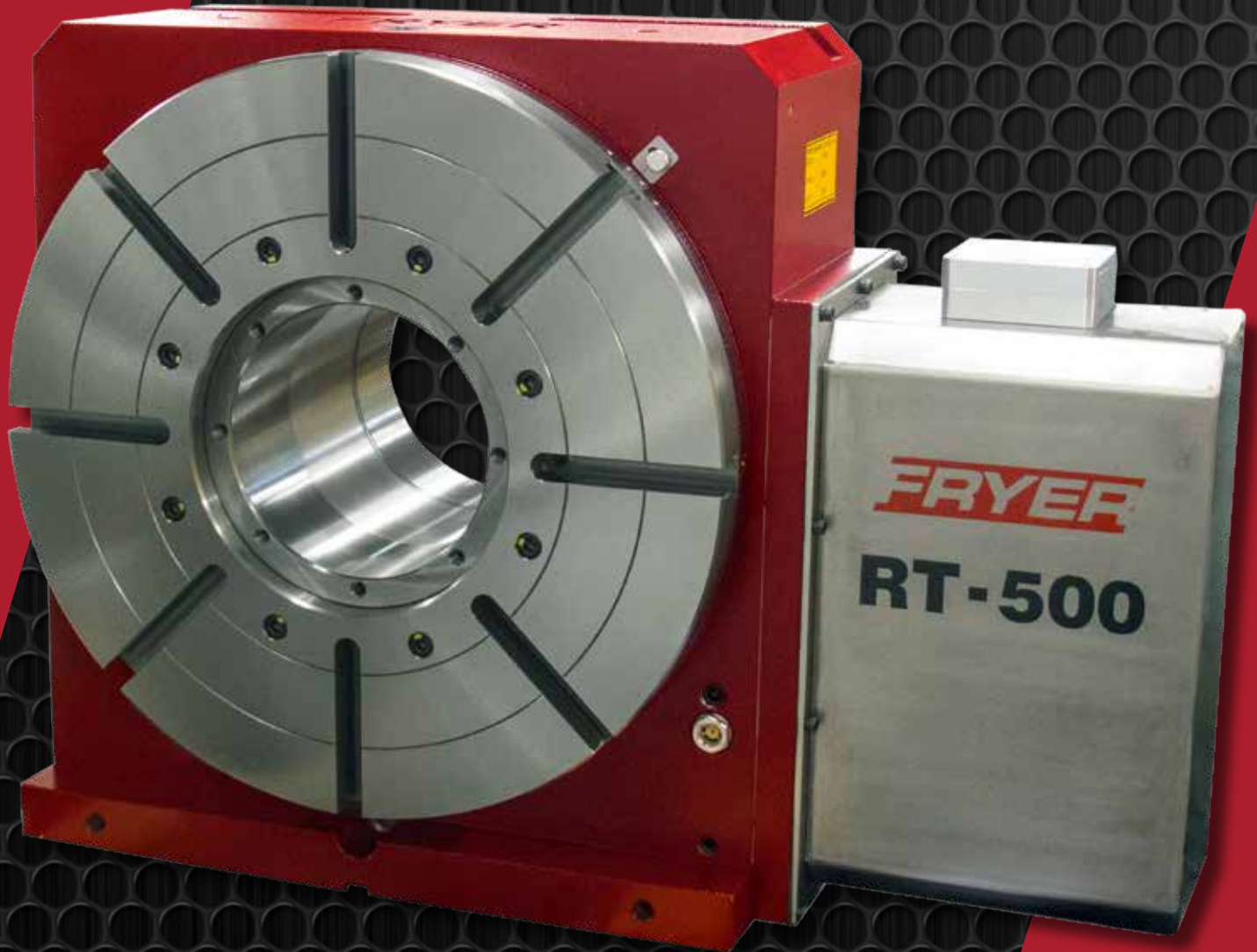


FRYER

MACHINE SYSTEMS

Precision Built Solutions



High Precision Rotary Tables

The Better Built Rotary Table

Fryer made rotary tables are better built for longer life and higher accuracy. Gear driven for better power distribution, better accuracy ring and worm gears and better sealing for zero contamination. Backed by a two year warranty, these rotaries are the choice of demanding shops worldwide.



RT-170

- 6.69" diameter faceplate
- 5.31" center height
- 1.37" through hole
- Fast 33 RPM rotate speed

RT-200

- 7.87" diameter faceplate
- 6.30" center height
- 1.37" through hole
- Fast 33 RPM rotate speed



RT-250

- 9.84" diameter faceplate
- 7.28" center height
- 2.75" through hole
- Fast 33 RPM rotate speed

RT-320

- 12.60" diameter faceplate
- 8.27" center height
- 4.33" through hole
- Fast 33 RPM rotate speed



RT-400

- 15.75" diameter faceplate
- 9.84" center height
- 5.91" through hole
- Fast 33 RPM rotate speed

RT-500

- 19.69" diameter faceplate
- 12.2" center height
- 7.09" through hole
- 15 arc/sec accuracy



Also available in 25" and 32" platter sizes.

Tilting Rotary Tables

The Fryer TRT series features two axis motion for both 5 axis simultaneous and 4+1 motion. The large platter rotary tables have a small footprint for addition to any VMC or HMC. Gear driven with high accuracy ring and worm gears and exceptional sealing for zero contamination. Available in sizes from 5" all the way to 32" diameter.



TRT-120

- 6.75" part swing
- -20 to 120 degree tilt range
- 120 lbs table load
- Compact footprint for smaller machines

TRT-200

- 10.5" part swing
- +/- 110 degree tilt range
- 250 lbs table load
- Small footprint fits most VMC's





TRT-250

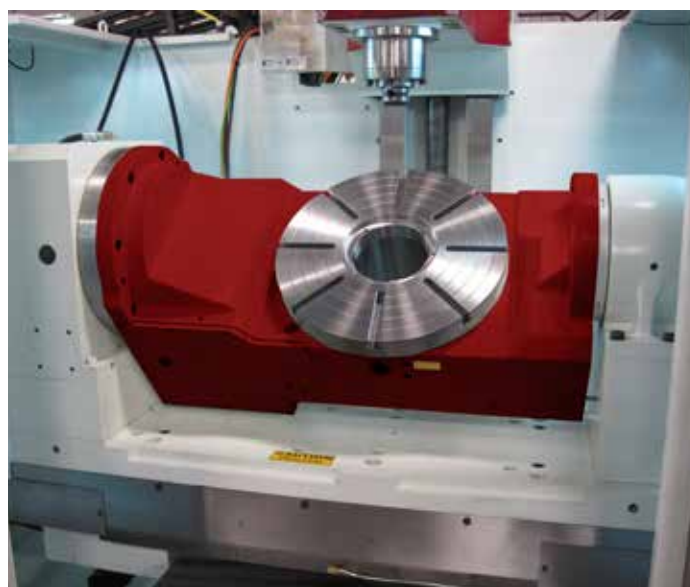
- Large 16.5" part swing
- +/- 120 degree tilt range
- 350 lbs table load
- Small footprint fits most VMC's

TRT-320

- Large 24" part swing
- +/- 120 degree tilt range
- 500 lbs table load
- Small footprint fits most VMC's

TRT-450

- Massive 30.5" part swing
- +/- 120 degree tilt range
- 1,000 lbs table load
- Super accurate



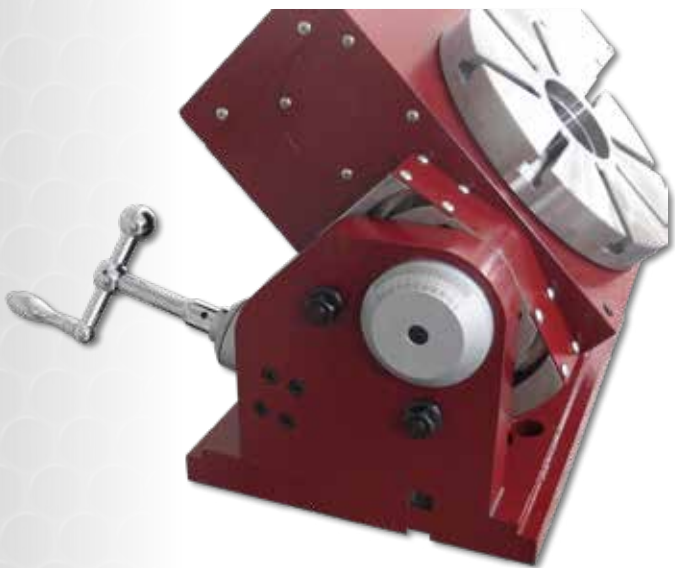
Also available in 32", 36" and 46" swing sizes.

Manual Tilting Rotary Tables

The Fryer MT series feature a full automatic 4th axis rotary table with manual tilt capability. Designed to lower the cost and size, these tables are the perfect choice for small batch production where multiple sided machining is required. Available in sizes from 8" all the way to 25".

MT-250

- 9.84" diameter platter
- Large 20" part swing
- Manual tilt range 0-100 degrees
- 350 Lbs load capacity



- Handle for manual positioning
- Double lock for rigidity
- Graduated dial for angle
- Sizes from 8" – 25"

Available in 8", 10", 12", 16", 20" and 25" sizes.

Exceptional Quality

Fryer built rotary tables feature high quality components and exceptional design. Configured as liquid tight units, there are no 'weep' holes like on other brands. Unique variable pitch worm gear ensures backlash free performance and exceptional accuracy. Backed by a two year warranty.



- 1.** High precision ring gear with 15 arc/sec accuracy
- 2.** Extra large through hole up to 10"
- 3.** Variable pitch worm gear provide over 40% surface contact
- 4.** Rugged gear drive from servo motor to worm gear
- 5.** Sealed cable set entry fully potted
- 6.** Sealed stainless steel case

Specifications

ROTARY TABLE SPECIFICATIONS

Rotary Table	6"	8"	10"	12"	16"	20"	25"	32"
Model	RT-170	RT-200	RT-250	RT-320	RT-400	RT-500	RT-630	RT-800
Part Number	OPT-1002	OPT-4310	OPT-4312	OPT-4314	OPT-4318	OPT-4321	OPT-4320	OPT-4322
Table Diameter	6.69"	7.87"	9.84"	12.60"	15.75"	19.69"	24.8"	31.5"
Center Height	5.31"	6.30"	7.28"	8.27"	9.84"	12.20"	15.75"	18.90"
Thru Hole Diameter	1.37"	1.37"	2.75"	4.33"	5.91"	7.09"	10"	10"
Max RPM	33	33	33	33	33	15	15	15
Max Load Vertical	440 lbs	550 lbs	675 lbs	775 lbs	1100 lbs	1320 lbs	1800 lbs	2300 lbs
Max Load Horizontal	220 lbs	275 lbs	330 lbs	385 lbs	675 lbs	770 lbs	900 lbs	1150 lbs
Positioning Accuracy	(±) 15 seconds							
Repeatability	(±) 4 seconds							
Motor Type	Brushless Servo Motor							
Setting Position	Horizontal / Vertical							
Number of Tee-Slots	4	4	8	8	8	8	8	8
Width Of T-Slot	0.47"	0.47"	0.47"	0.55"	0.55"	0.71"	0.71"	0.79"
Gear Ratio	1:90	1:90	1:90	1:90	1:90	1:120	1:180	1:180
Servo Motor Size	6 NM	6 NM	6 NM	16 NM	16 NM	16 NM	27 NM	27 NM
Overall Size W,L,H	6.5" x 16" x 9"	6.5" x 21" x 10"	8" x 25" x 12.5"	10" x 25" x 15"	10" x 30" x 18"	11" x 31" x 22"	12" x 36" x 28"	13" x 42" x 34"
Net Weight	150 lbs	185 lbs	275 lbs	475 lbs	625 lbs	1050 lbs	1900 lbs	2640 lbs

TRUNNION TABLE SPECIFICATIONS

Trunnion Table	5"	8"	10"	12"	18"	20"	25"	32"
Model	TRT-120	TRT-200	TRT-250	TRT-320	TRT-450	TRT-500	TRT-600	TRT-800
Part Number	OPT-8503	OPT-8505	OPT-8507	OPT-8509	OPT-8510	OPT-8517	OPT-8519	OPT-8520
Platter Diameter	4.72"	7.87"	9.84"	12.6"	17.72"	19.68"	24.80"	31.50"
Center Height	5.91"	8.27"	8.86"	10.04"	14.17"	19.68"	22.83"	25.59"
Max Part Swing (Reduced At 90°)	6.75"	10.5"	16.5"	24"	30.5"	32.0"	36.0"	46.0"
Thru Hole Diameter	1.26"	1.18"	2.76"	4.33"	5.91"	5.91"	10.0"	10.0"
Tilting Angle Range	-20°~120°	-110°~110°	-120°~120°	-120°~120°	-120°~120°	-120°~120°	-120°~120°	-120°~120°
Max RPM -- Tilt	33	16	16	16	16	16	16	16
Max RPM -- Rotate	33	33	33	16	16	16	16	16
Maximum Weight On Platter	120 lbs	250 lbs	350 lbs	500 lbs	1,000 lbs	1,200 lbs	1,500 lbs	2,200 lbs
Positioning Accuracy - Tilt	45 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec
Positioning Accuracy - Rotate	25 sec	15 sec	15 sec	15 sec	15 sec	15 sec	15 sec	15 sec
Number of T-Slots	4.00	4.00	8.00	8.00	8.00	8.00	8.00	8.00
Width Of T-Slot (Inches)	0.39"	0.47"	0.47"	0.55"	0.55"	0.55"	0.71"	0.787"
Net Weight (Lbs)	230 lbs	550 lbs	620 lbs	1,150 lbs	2,200 lbs	3,200 lbs	5,950 lbs	2,200 lbs

FRYER
MACHINE SYSTEMS

Precision Built Solutions

Phone: 845-878-2500
 Fax: 845-878-2525
 Email: info@fryermachine.com
 sales@fryermachine.com
 Website: www.fryermachine.com



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 70 Jon Barrett Road, Patterson, NY 12563 USA

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