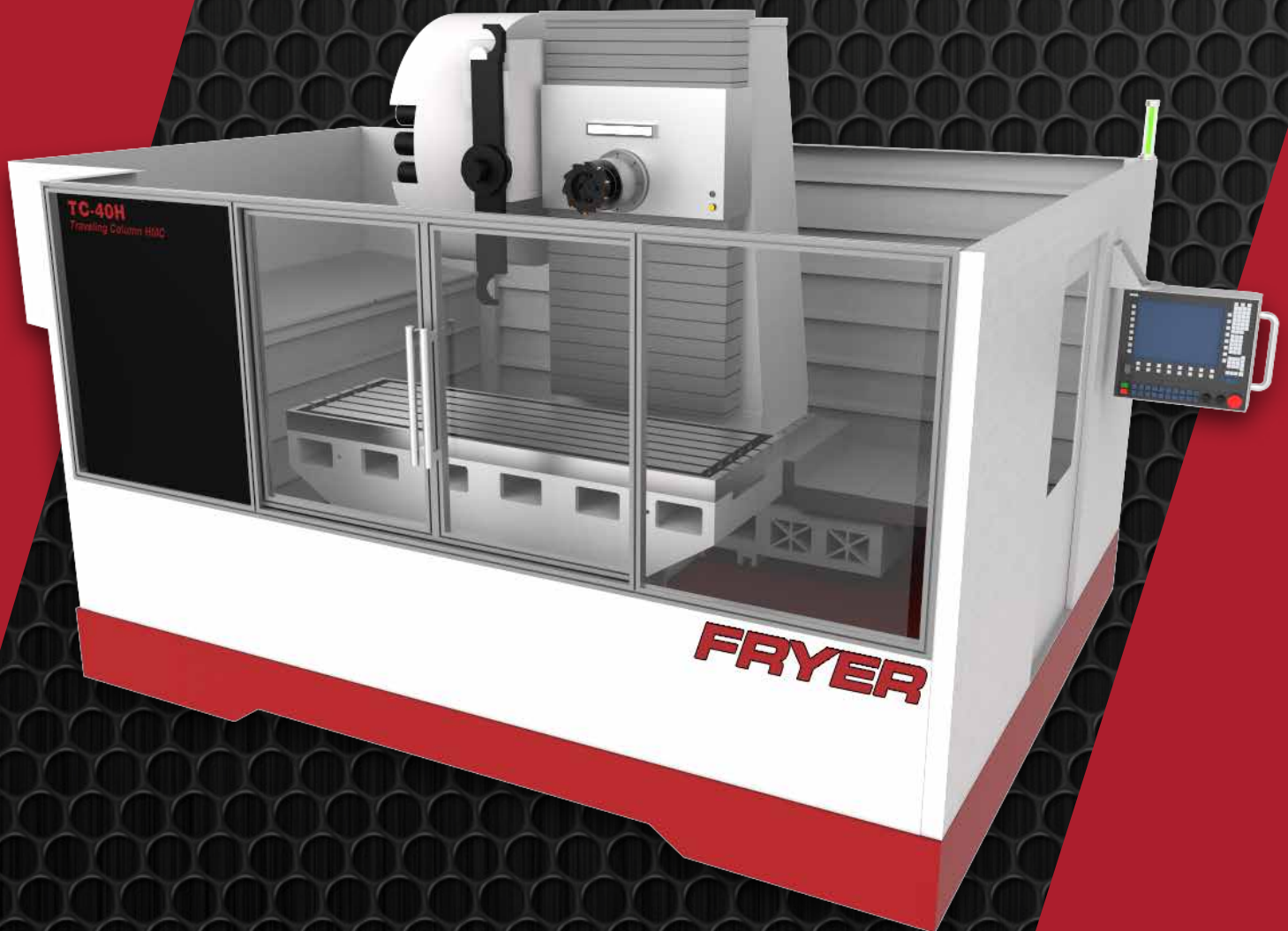


FRYER

MACHINE SYSTEMS

Precision Built Solutions

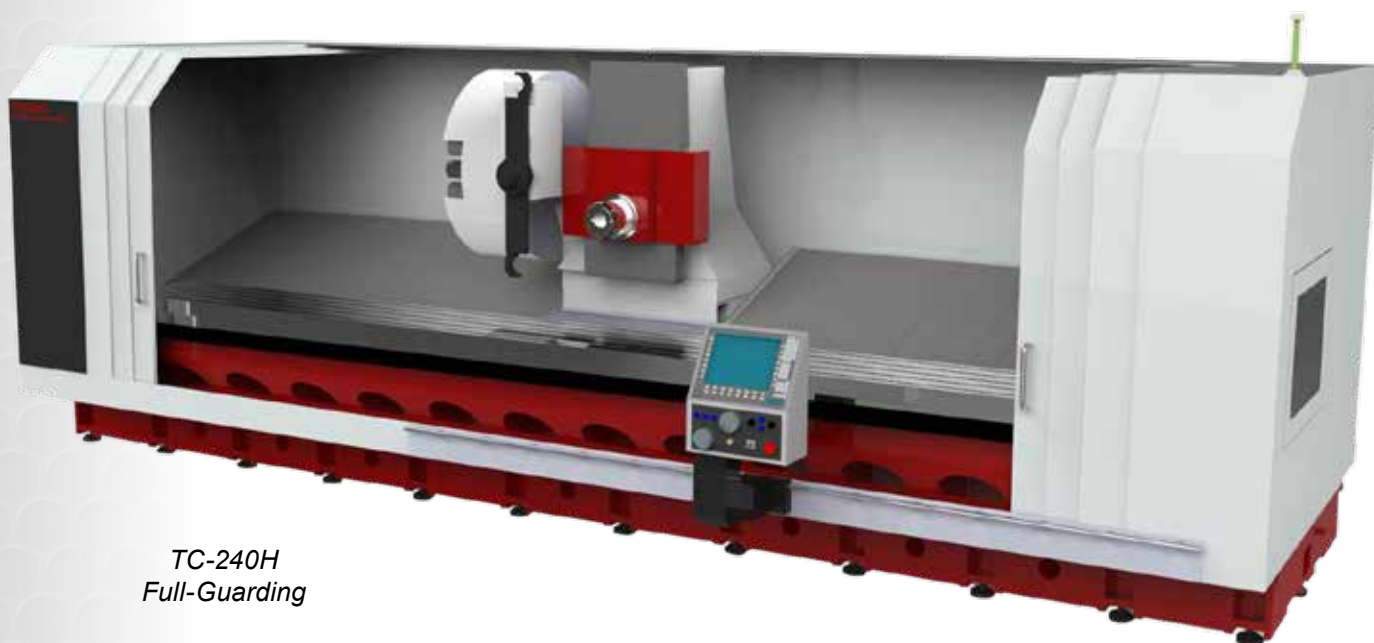


TC-H Series

Horizontal Traveling Column

The Fryer TC-H Series features a fixed table and traveling column design. It is equipped with a rugged 50 taper horizontal spindle featuring a high torque 40 HP spindle motor with 350 ft/lbs of torque. The fixed table allows table loads of more than 10,000 lbs. while offering versatility in part fixturing. Available in sizes ranging from 40" X travel all the way to huge 320" travel machine.

Innovative Design



*TC-240H
Full-Guarding*

- Unique traveling column design
- Fixed table with 10,000 lbs. plus capacity
- Available built-in rotary table
- Available table mounted rotary
- 50 Taper horizontal spindle
- 40" to 320" X travel
- Z travel of 24" or 32"
- 40 HP with 350 ft/lbs torque
- 1,000 IPM rapid feedrate
- 24 or 40 tool ATC
- Dual zone with table divider
- Siemens or Fanuc CNC



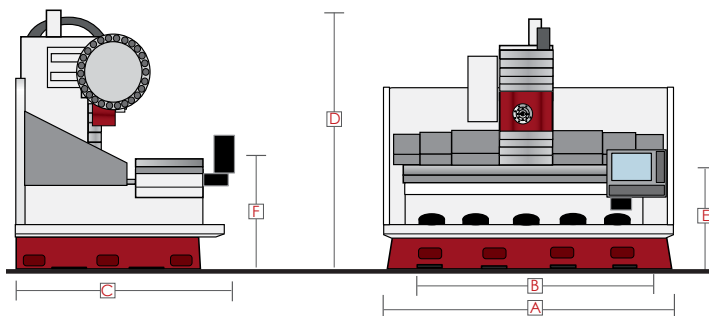
*TC-40H
Pipe*

The TC-H series is perfect for handling oversized parts where moving the part is not practical. The fact that the table does not move allows you to fixture parts simpler and easier than with conventional moving table machines. Add to that table load capacity of these machines is over 10,000 Lbs.



*TC-40H
I-Beam*

TC-H SERIES SPECIFICATIONS		TC-40H	TC-80H	TC-120H	TC-160H	TC-240H	TC-320H
MACHINE CAPACITY	X Travel	40"	80"	120"	160"	240"	320"
	Y Travel	29"	24"	24"	24"	24"	24"
	Z Travel	26"	24" (32")	24" (32")	24" (32")	24" (32")	24" (32")
	Table Load (Evenly Distributed)	8,000 lbs.	8,000 lbs.	10,000 lbs.	10,000 lbs.	14,000 lbs.	18,000 lbs.
	Table Size	60" x 24"	80" x 24"	120" x 24"	160" X 24"	240" X 24"	320" x 24"
	T-Slots (No./Width)	5 / .787"					
	Table Top to Floor	38"					
SPINDLE	Motor HP (Peak)	40.0 HP					
	Spindle Speed (RPM)	60 - 6,000 RPM (8K, 10K Optional)					
	Spindle Torque (max)	204 ft/lbs (800 ft/lbs w/opt gearbox)					
	Tool Type/Taper	CAT 50 (CAT 40 Optional) (BT Option)					
	Spindle Nose to Table (Max - Min)	30" - 2"	28" - 4"	28" - 4"	28" - 4"	28" - 4"	28" - 4"
	Spindle Center to Column	28"	24" (32")	24" (32")	24" (32")	24" (32")	24" (32")
ATC	Tool Storage Capacity	24 Station Arm Type (30 and 40 tool optional)					
	Tool Change Time	4.0 seconds					
	Tool Change Time Chip to Chip	6.0 seconds					
	Max. Tool Diameter (full)	5.90"					
	Max. Tool Dia. (adjacent empty)	9.50"					
	Max. Tool Weight	30.0 lbs.					
	Max. Tool Length	16"					
PERFORMANCE	Positioning Accuracy	+/- 0.0002"	+/- 0.0002"	+/- 0.0002"	+/- 0.0002"	+/- 0.0003"	+/- 0.0003"
	Positioning Repeatability	+/- 0.0001"	+/- 0.0001"	+/- 0.0001"	+/- 0.0001"	+/- 0.00015"	+/- 0.00015"
	X Axis Drive Type	Ball screw	Ball screw	Ball screw	Ball screw	Rack & Pinion	Rack & Pinion
	Rapid Traverse	1,000 X,Y, Z					
	Cutting Feed Rate	.001 - 600 IPM					
	Servo Type	AC Digital Brushless					
	Axis Thrust (Peak)	4,955 lbs. X, Y, Z					
GENERAL INFO	Air Pressure Requirements	90 PSI - 5 CFM					
	Coolant Capacity	100 Gallons					
	Coolant Flow	5 GPM					
	Power Requirements	80 AMP 400 - 500 VAC 3 PHASE					
	Operating Dimensions (WxDxH)	160"x138"x118"	200"x138"x118"	245"x138"x118"	310"x138"x118"	375"x138"x118"	440"x138"x118"
	Machine Weight	30,000 lbs.	32,000 lbs.	34,000 lbs.	40,000 lbs.	46,000 lbs.	50,000 lbs.



	TC-40H	TC-80H	TC-120H	TC-160H	TC-240H	TC-320H
Overall Width (A)	160"	200"	245"	310"	375"	440"
Table Width (B)	40"	80"	120"	160"	240"	320"
Overall Depth (C)	138"	138"	138"	138"	138"	138"
Overall Height (D)	118"	118"	118"	118"	118"	118"
Table Height (E)	38"	38"	38"	38"	38"	38"
Console Height (F)	62"	62"	62"	62"	62"	62"
Approx. Weight	30,000 lbs.	32,000 lbs.	34,000 lbs.	40,000 lbs.	46,000 lbs.	50,000 lbs.

* Requires some disassembly to meet these minimum dimensions. Contact factory for more information.

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Specifications subject to change without prior notice.