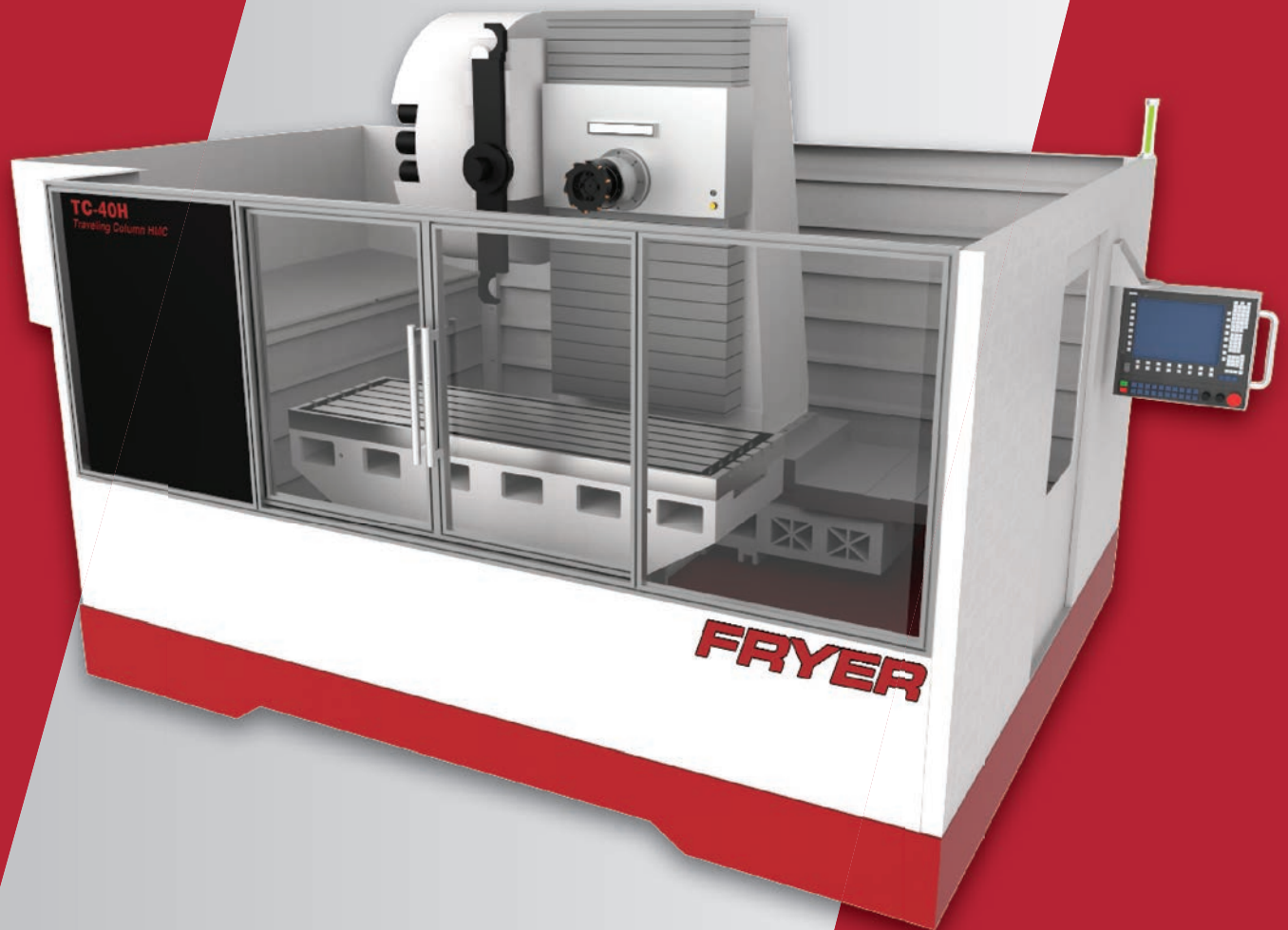


TC-H Series

Horizontal Traveling Column

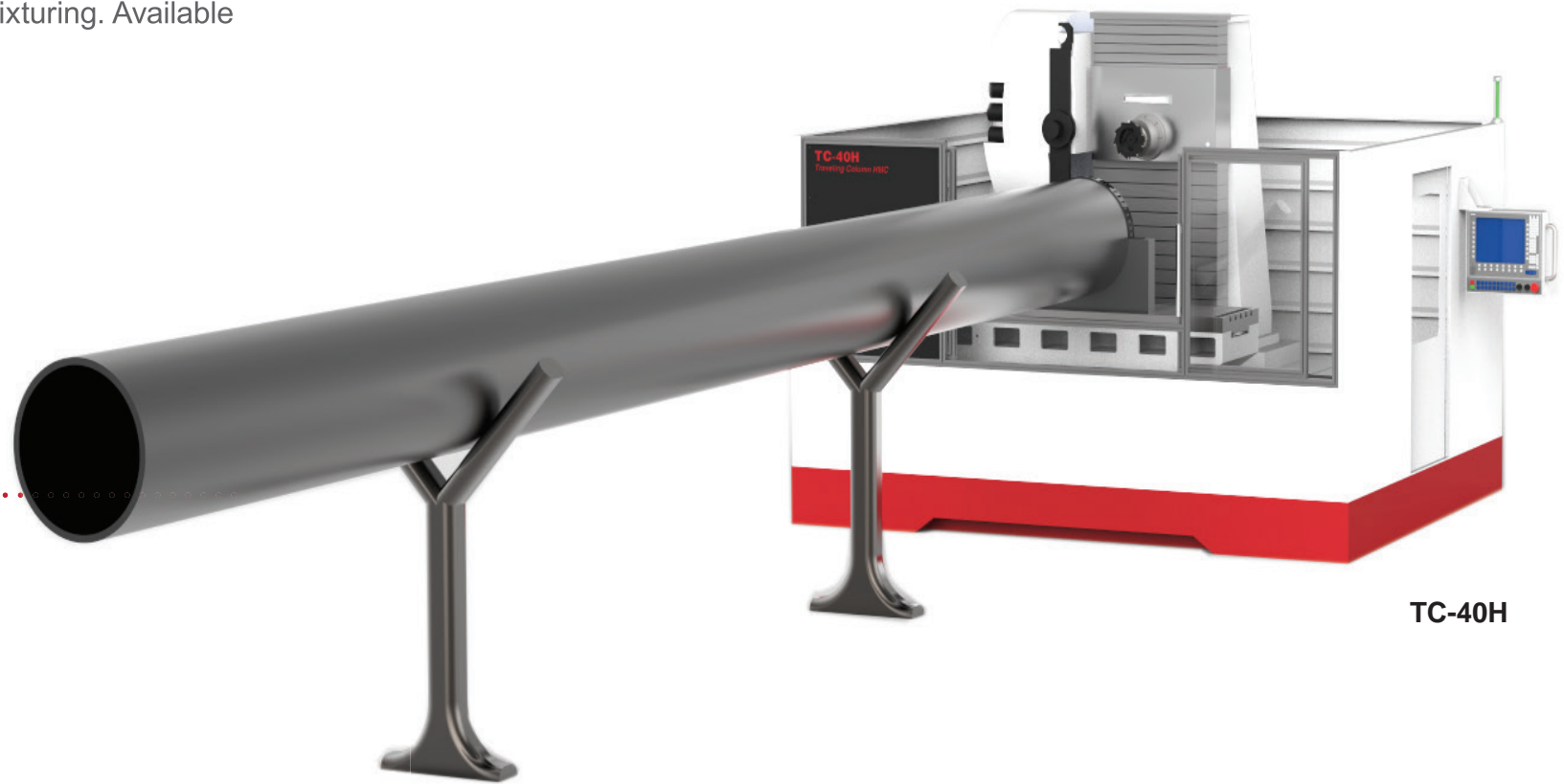


FRYER
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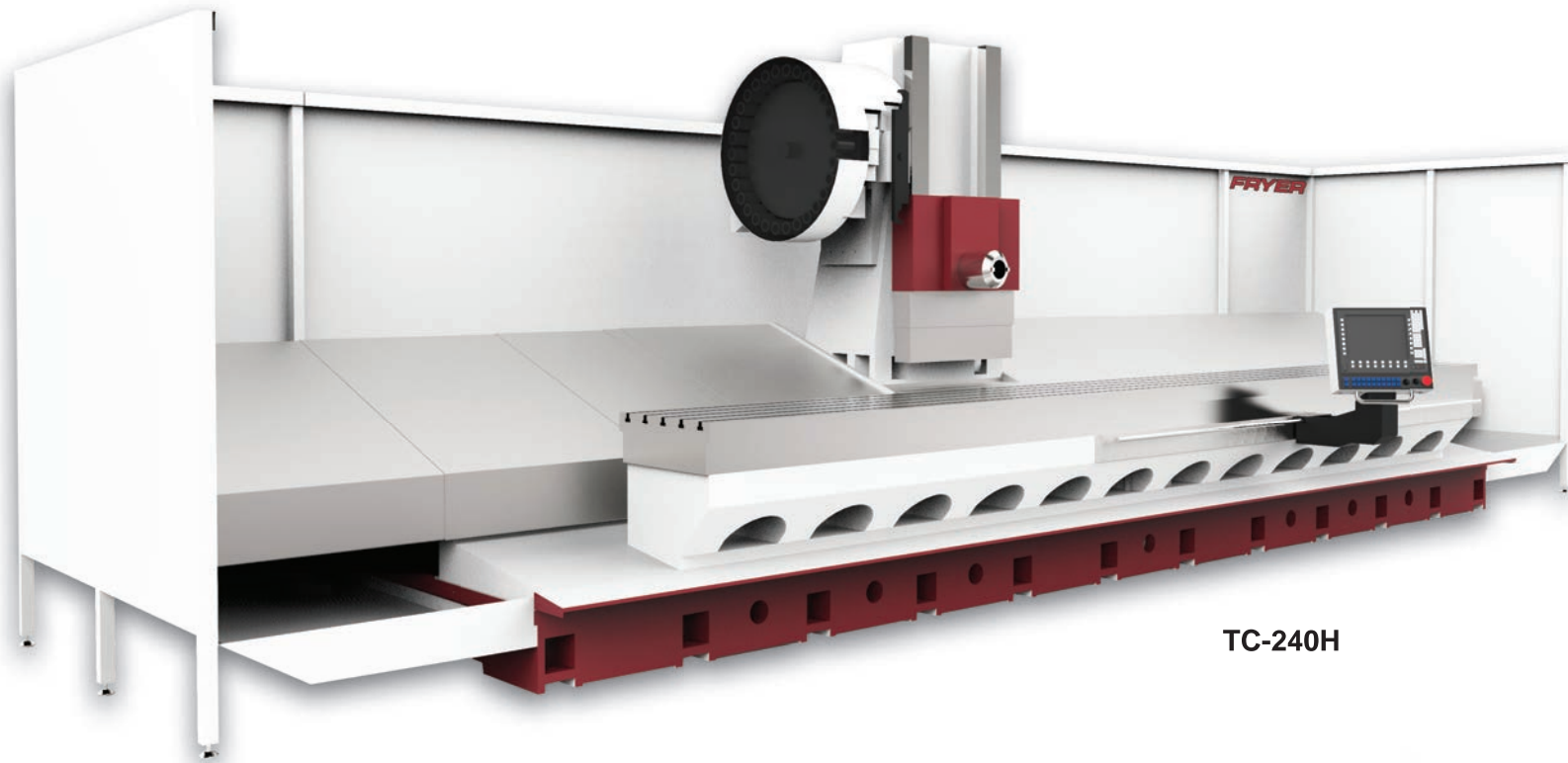
Precision Built Solutions™

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.

Rugged Construction



TC-40H

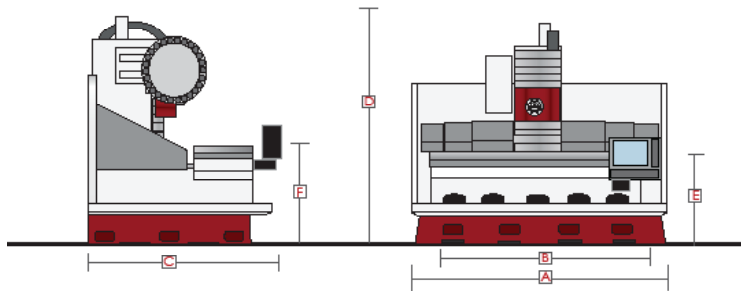


TC-240H

- Flexible traveling column design
- Fixed table with 10,000 lbs. plus capacity
- Available built-in rotary table
- 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 30 tool ATC
- Open style semi-guarding or fully enclosed
- Siemens or Fanuc CNC

TC-H SERIES SPECIFICATIONS	TC-40H	TC-80H	TC-120H	TC-160H	TC-240H	TC-320H
X Travel	40"	80"	120"	160"	240"	320"
Y Travel	29"			24"		
Z Travel	26"			24" (32)		
Table Load (Evenly Distributed)	8,000 lbs.	8,000 lbs.	2,200 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"		
Motor (Peak)				30.0 HP (40.0 HP optional)		
Spindle Speed (RPM)				60 - 8,500 RPM (6K, 10K, 12K, 15K optional)		
Spindle Torque				155 ft/lbs. @ 350 RPM (204 ft/lbs. w/opt 40 HP motor; 800 ft/lbs. w/opt 40 HP motor & gearbox)		
Tool Type/Taper				CAT-40 (CAT-50 optional) (BT-40 optional)		
Spindle Nose to Table (Max-Min)	30" - 2"			28" - 4"		
Spindle Center to Column	28"			24" (32")		
Tool Storage Capacity				24 Station Arm Type (30 and 40 tool option)		
Tool Change Time				3.0 seconds (4 sec 50 taper)		
Tool Change Time Chip to Chip				4.0 seconds (6 sec 50 taper)		
Max. Tool Diameter (full)				3.20" (5.90" 50 taper)		
Max. Tool Length				13" (16" 50 taper)		
Max. Tool Weight				15.4 lbs. (30 lbs 50 taper)		
Positioning Accuracy				+ / - 0.0002"		+ / - 0.0003"
Position Repeatability				+ / - 0.0001"		+ / - 0.00015"
X Axis Drive Type				Ballscrew		Rack and 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		
Air Pressure Requirements				90 PSI - 5 CFM		
Coolant Capacity				100 Gallons		
Coolant Flow				5 GPM		
Power Requirements				40 AMP 400 - 500 VAC 3 Phase (80 AMP)		
Optional Power				60 AMP 208 - 245 VAC 3 Phase (100 AMP)		
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.

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	TC-40H	TC-120H	TC-160H	TC-240H	TC-320H
Overall Width (A)	172"	250"	290"	372"	450"
Table Width (B)	50"	120"	160"	240"	320"
Overall Depth (C)	164"	114"	116"	126"	128"
Overall Height (D)	130"	108"	108"	106"	108"
Table Height (E)	32"	38"	38"	38"	38"
Spindle Height (F)	82"	68"	82"	82"	82"
Machine Weight	18,000 lbs.	34,000 lbs.	40,000 lbs.	46,000 lbs.	50,000 lbs.



Precision Built Solutions™