

VT Series

Vertical Turret Lathe



FRYER

MACHINE SYSTEMS[®]

Precision Built Solutions™

The **Fryer VT Series** is an affordable, compact large swing vertical turret lathe. This series features an innovative traveling column design that allows a large swing in a small foot print machine. The horizontal turret features excellent clearance for long and short tools alike. The VT is available with full C axis contouring and positioning as well as live tooling. Equipped with the easy-to-use Siemens Touch 2200 CNC control that combines shop floor conversational programming with stunning graphics and fast set-up.

Fast Set-up and Operation

The standard Siemens Touch 2200 controls features the ultimate in shop floor programming. Complicated turning contours are programmed easily using the simple graphic based menus. Milling and drilling operations can also be entered right at the control saving time and money. Solid model graphics, DFX file import, handwheel run and collision avoidance make the VT series extremely productive even for one-off applications.



VT-40



VT-80

Innovative Design

- Compact traveling column design
- 40" or 80" swing models
- 8 station automatic turret – horizontally positioned to provide excellent clearance for long tools
- BMT-65 tooling for high rigidity
- High torque geared headstock

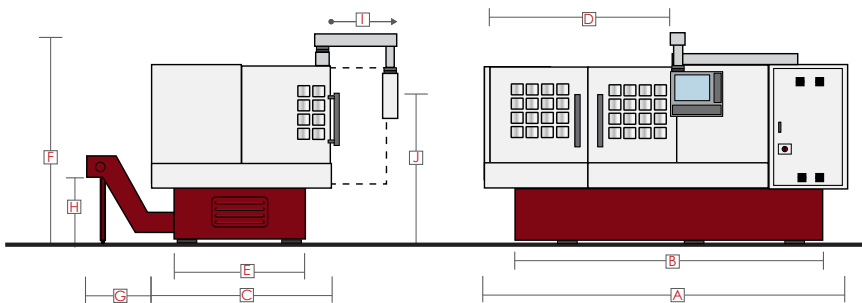


Live Tool Turret

- 8 station live tool turret with 10 HP motor
- BMT-65 tooling for high capacity milling and drilling operations
- Extended reach tool holders
- C axis spindle features full contouring
- Optional Y axis with +/- 3 inches of travel



VT SERIES SPECIFICATIONS		VT-40	VT-80
MACHINE CAPACITY	Maximum Swing Diameter	40"	80"
	Maximum Cutting Diameter	40"	80"
	Maximum Cutting Height	31"	26" (45")
	Width of Bed	26"	32"
	Cross Slide Travel (X)	26"	32"
	Longitudinal (Z)	33"	30" (49")
	Number of Turret Positions	8	
	Turret Tooling Size	BMT-65	
	Ballscrew Size	2.00" X, Z	
	Maximum Part Weight	5,000 lbs.	8,000 lbs.
SPINDLE	Spindle Nose	A2-11	A2-15
	Spindle Nose Taper	MT-8	NA
	Spindle Motor HP (Peak)	40 HP	50 HP
	Spindle Speed	10 - 1,000 RPM	10 - 350 RPM
PERFORMANCE	Positioning Accuracy	+/- 0.0002"	
	Positioning Repeatability	+/- 0.0001"	
	Rapid Traverse (X, Z)	600 IPM	
	Servo Type	AC Digital Brushless	
GENERAL INFO	Axis Thrust (Peak)	6,504 lbs. X, Z	
	Air Pressure Requirements	90 PSI; 5 CFM	
	Coolant Capacity	75 Gallons	
	Coolant Flow (Gallons/Minute)	5 GPM	
	Power Requirements	80 AMP	
	Voltage Requirements	380-500 VAC 3 PHASE (208-250 VAC Optional)	
	Shipping Dimensions* (WxDxH)	80" x 132" x 112"	95" x 142" x 115"
	Operating Dimensions (WxDxH)	80" x 132" x 140"	95" x 142" x 145"
Machine Weight	14,500 lbs.	21,000 lbs.	



	VT-40	VT-80
Overall Machine Width (A)	132"	142"
Floor Width (B)	93"	110"
Overall Machine Depth (C)	80"	95"
Door Opening (D)	56"	72"
Floor Depth (E)	70"	76.5"
Maximum Height (F)	140"	145"
Conveyor Protrusion (G)	52"	52"
Conveyor Height (H)	40"	40"
Console Swing (I)	22"	22"
Console Height (J)	60"	60"
Net Machine Weight	14,500 lbs.	21,000 lbs.