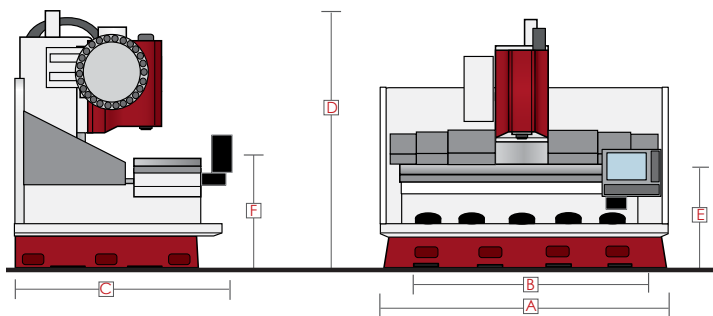


TC-V SERIES SPECIFICATIONS		TC-40V	TC-80V	TC-120V	TC-160V	TC-240V	TC-320V
MACHINE CAPACITY	X Travel	40"	80"	120"	160"	240"	320"
	Y Travel	24" (32")					
	Z Travel	24" (32")					
	Table Load (Evenly Distributed)	8,000 lbs.	8,000 lbs.	10,000 lbs.	10,000 lbs.	14,000 lbs.	18,000 lbs.
	Table Size	40" x 24"	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)	30.0 HP (40.0 HP Optional)					
	Spindle Speed (RPM)	60 - 8,500 RPM (6K, 10K, 12K, 15K Optional)					
	Spindle Torque (max)	155 ft/lbs @ 350 RPM (204 ft/lbs w/opt 40 HP motor; 800 ft/lbs w/opt 40 HP motor and gearbox)					
	Tool Type/Taper	CAT 40 (CAT 50 Optional) (BT Option)					
	Spindle Nose to Table (Max - Min)	30" - 2" 28" - 4" (36" - 4")					
	Spindle Center to Column	28" 24" (32")					
ATC	Tool Storage Capacity	24 Station Arm Type (40 tool optional)					
	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 Dia. (adjacent empty)	6.25" (9.50" 50 taper)					
	Max. Tool Weight	15.4 lbs. (30 lbs 50 taper)					
	Max. Tool Length	13" (16" 50 taper)					
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	40 AMP 400 - 500 VAC 3 PHASE (80 or 125 amp)					
	Operating Dimensions (WxDxH)	160"x138"x118"	200"x138"x118"	245"x138"x118"	310"x138"x118"	375"x138"x118"	440"x138"x118"
	Machine Weight	20,000 lbs.	32,000 lbs.	34,000 lbs.	40,000 lbs.	46,000 lbs.	50,000 lbs.



	TC-40V	TC-80V	TC-120V	TC-160V	TC-240V	TC-320V
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	20,000 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.