



Precision Built Solutions™

SPECIFICATIONS

TC-V SERIES

		TC-40V	TC-80V	TC-120V	TC-160V	TC-240V	TC-320V
MACHINE CAPACITY	X Travel	40"	80"	120"	160"	240"	320"
	Y Travel	26"	24" (32")				
	Z Travel	28"	24"				
	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 (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)					
	Spindle Nose to Table (Max-Min)	30" - 2"	28" - 4"				
	Spindle Center to Column	28"	24" (32")				
ATC	Tool Storage Capacity	24 Station Arm Type (30 and 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"				+/-0.0003"	
	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					
GENERAL INFORMA	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)					
	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