



Precision Built Solutions™

SPECIFICATIONS

5X SERIES

		5X-60	5X-100	5X-120	5X-160
MACHINE CAPACITY	X Travel	60"	100"	120"	160"
	Y Travel	30"	35"	50"	50"
	Z Travel	38"	34"	40"	40"
	B Travel	+/- 120°			
	C Travel	+/- 220° (360° continuous optional)			
	Table Load (Evenly Distributed)	4,000 lbs.	5,000 lbs.	6,500 lbs.	6,500 lbs.
	Table Size	24" x 73"	30" x 112"	40" x 126"	40" x 165"
	T-Slots (No./Width)	5 / .709"	5 / .709"	5 / .709"	5 / .709"
	Table Top to Floor	32"	35"	35"	35"
SPINDLE	Motor HP (PEAK)	25.0 HP (50 HP high torque)			
	Spindle Speed (RPM)	200 - 18,000 RPM Refrigerated (10,000 RPM high torque)			
	Spindle Torque (max)	50 ft/lbs @ 3000 RPM (100 ft/lbs @ 1,000 RPM)			
	Rotation Range	A axis +/- 120° C axis +/- 220° (360° continuous optional)			
	Tool Type/Taper	HSK 63F (63A optional)			
	Spindle Nose to Center of Rotation	11"			
	Spindle Nose to Table - Vertical	0 - 32"	0 - 26"	0 - 32.5	0 - 32.5"
	Spindle Nose to Table - Horizontal	5" - 43"	5" - 39"	4" - 44"	4" - 44"
	Spindle Center to Column	30.5"	36"	50"	50"
ATC	Tool Storage Capacity	24 Station Arm Type			
	Tool Change Time	3 seconds			
	Max. Adjacent Tool Diameter	3.0"			
	Max. Tool Weight	10.0 lbs.			
	Max. Tool Length	12"			
PERFORMANCE	Positioning Accuracy	+/-0.0002"			
	Position Repeatability	+/-0.0001"			
	Rapid Traverse	1,200 IPM X,Y 900 IPM Z	500 IPM X, Y, Z		
	Cutting Feed Rate	.001-500 IPM			
	Servo Type	AC Digital Brushless			
	Axis Thrust (Peak)	3,174 lbs. X,Y 5,395 lbs. Z			
GENERAL INFORMATION	Air Pressure Requirements	90 PSI 5 CFM			
	Coolant Capacity	60 Gallons			
	Coolant Flow	3 GPM			
	Power Requirements	80 AMP 430-500 VAC 3 PHASE (200-250 VAC Optional)			
	Shipping Dimensions* (WxDxH)	161"x89"x93"	120"x94"x96"	140"x105"x105"	180"x105"x105"
	Operating Dimensions (WxDxH)	161"x112"x112"	240"x110"x110"	260"x120"x115"	300"x120"x115"
	Machine Weight	20,000 lbs.	26,000 lbs	34,000 lbs.	37,000 lbs