



Precision Built Solutions™

SPECIFICATIONS

MB-R SERIES

		MB-10 R	MB-14 R	MB-15 R	MB-16 R
MACHINE CAPACITY	X Travel	32"	40"	50"	60"
	Y Travel	17"	20"	25"	25"
	Z Travel	19"	20"	24"	24"
	Table Load (Evenly Distributed)	2,000 lbs.	2,450 lbs.	2,950 lbs.	2,950 lbs.
	Table Size	50" x 14"	16" x 54"	17" x 63"	18" x 70"
	T-Slots (No./Width)	3 / .630"	3 / .630"	5 / .630"	5 / .630"
	Table Top to Floor	31"	33"	36"	36"
SPINDLE	Motor (Peak)	12 HP	12 HP	15 HP	15 HP
	Max Spindle Torque	40 ft/lbs		50 ft/lbs	
	Spindle Speeds (RPM)	60 - 8,000 RPM			
	Tool Type/Taper	CAT-40 (BT-40 OPTIONAL)			
	Spindle Nose to Table (Max-Min)	23" - 4"	26" - 5"	28" - 4"	28" - 4"
	Spindle Center to Column	17.5"	20"	25"	25"
ATC	Tool Storage Capacity	12 (20 optional)			
	Tool Change Time	7 Seconds			
	Tool Selection	Bi-Directional			
	Max. Adjacent Tool Diameter	5.20"			
	Max. Tool Weight	15.4 LBS			
	Max. Tool Length	11"			
PERFORMANCE	Positioning Accuracy	+/-0.0002"			
	Position Repeatability	+/-0.0001"			
	Rapid Traverse	400 IPM			
	Cutting Feed Rate	.001 - 300 IPM			
	Axis Thrust (Peak)	4,400 LBS			
GENERAL INFORMATION	Air Pressure Requirements	85 PSI - 3 CFM			
	Coolant Capacity	12 Gallons		16 Gallons	
	Coolant Flow	3 GPM			
	Power Requirements	40 AMP 208-240 VAC 3 Phase (430-500 VAC optional)			
	Shipping Dimensions* (WxDxH)	60"x67"x75"	60"x76"x85"	68"x82"x90"	75"x82"x90"
	Operating Dimensions (WxDxH)	103"x67"x98"	113"x76"x98"	160"x82"x105"	170"x82"x105"
	Machine Weight	5,000 LBS	7,000 LBS	9,000 LBS	10,000 LBS