



PM320-5X

5-Axis Super Precision Compact VMC

- + 25,000 RPM with Built In Spindle (Optional 45,000 RPM)
- + 50 Station HSK-E40 High Speed ATC
- + Optional 2,000 RPM Turning Optional (PM-320-5X-T)
- + 100 mm Diameter Trunnion
- + Fanuc 31i-B5 5 axis Simultaneous CNC Control
- + Glass Scales Included
- + Tool and Part Probing Included
- + Chip Conveyor Included

Rotary Table	Table Size	100 mm	3.937"
	Tilt Angle	-20 / +120 degrees	
	Tool Nose to Rotary Table	100 mm – 480 mm	3.937"- 18.8"
	Max C-Axis Rotation	100 rpm	
	Max B-Axis Rotation	75 rpm	
	Workpiece Weight Limit	30 kg	66 lbs. (including fixture)
Axis Travel	X-Axis Travel	320 mm	12.59"
	Y-Axis Travel	340 mm	13.38"
	Z-Axis Travel	380 mm	14.96"
	Rapid Traverse Rate	300 mm / min	1,181 ipm
Spindle	Spindle Taper	HSK-E40	
	Spindle Speed	25,000 rpm standard	45,000 rpm (optional)
	Spindle Power	25,000 rpm = 15 / 7.5 kW	45,000 rpm = 15 / 11.0 kW (optional)
Automatic Tool Changer	Tool Count (optional)	64	HSK-E32 random access tool positions
	Tool Count	50	HSK-E40 random access tool positions
	Tool Change Time	1.9-seconds tool-to-tool	
	Maximum Tool Diameter	35 mm	1.378"
	Maximum Tool Length	140 mm	5.512"
Specifications	Coolant Tank Capacity	100 liters	26 gallons
	Chip Conveyor Length	1,080 mm	42.51"
	Power Requirements	220 vac ±5%, 60-Hz	25 kVA
	Machine Dimensions W x D x H	1,200 x 2,690 x 2,500 mm	48" x 106" x 98"
	Machine Weight	4,100 kg	9,040 lbs.
Warranty	1-year machine warranty		
	2-year Fanuc control, motors & drives warranty		
	Machines need a stable 220 Volts, 3 Phase – Please use appropriate transformers or voltage stabilizers.		
	Note: Balanced toolholders with G2.5 rating required for spindle speeds above 10,000 rpm!		