



**TEHRAN EKRAM**  
ENGINEERING & MANUFACTURING Co.

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## Machine Specification

ITEM		VMC-960
Table	Dimension	1000mm X 600mm
	Working area	960mmX600mm
	T-slot	CD100mmX18mmX5
	Max. loading capacity	800 kg
Travel Range	Max. travel range of X/Y/Z-axis	900mm/600mm/610mm
	Distance from spindle nose to table surface	120~730mm(4.72"~28.74")
	Distance from spindle center to column	700mm(27.56")
Spindle	Spindle taper	ISO No.40
	Spindle nose outer diameter	Ø70mm(Ø2.76") STD: 8000 min <sup>-1</sup> ; OPT: 12000 min <sup>-1</sup>
	Spindle speed	
Feedrate	Feedrate of X/Y/Z-axis	1~10000 mm/min (0.04~393.7ipm)
	Slideways of X/Y/Z-axis	Linear Guideway
	Rapid traverse of X/Y/Z-axis	36/36/30 m/min (1417.3/1417.3/1181.1 ipm)
Tool Magazine	Tool capacity	STD:24 pcs.; OPT: 30pcs
	Tool selection	Bi-direction and Shortest path
	Max. adjacent tool diameter x length	Ø 80mm x 300mm(Ø 3.15"X11.81")
	Max. tool weight	8 kg (17.6lbs)
	Tool shank	BT 40 or V40CT or V40 ANSI
Drive Motor	Spindle drive motor	STD:7.5/11 kW X - Y : 1.8 kW(2.4HP) Z : 2.5 kW(3.4HP)
	Servo motors of X/Y/Z-axis	
	Coolant motor	1580 W (2.12HP)
	Chip conveyor motor	215 W (1/4HP)
Accuracy	Positioning	±0.005
	Repeatability	±0.003
Miscellaneous	Power requirement	208-220V 60 cycle/ 75 Amps/ 3 Phase
	Floor area (L x W )	5518mmx5466mm
	Packing size(LxWxH)	3670mmx2280mmx2510mm
	Net weight	Machine:6,500kgs Accessories:310kgs
	Gross weight	Machine:7,000kgs Accessories:390kgs



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