

VMX42Di

The Hurco VMX42Di CNC vertical milling machine is the industry workhorse. These CNC machining centers are the perfect combination of performance and flexibility.

- Heavily Ribbed Fine-Grade Cast Iron Frame Optimized with Finite Element Analysis (FEA)

➤ Wedge-locked Heavy duty Linear Rails with roller bearings on X/Y/Z axes

➤ Direct Drive Servos on X/Y/Z Axes

➤ Double-Nut Pre-Tensioned Ballscrews Anchored at Both Ends

➤ New Max 5 control height adjustment capability

➤ Yaskawa Sigma V Digital AC Servos

➤ Fast 1,496 ipm Rapid Traverse Rates (X,Y) 1,260 ipm on Z

➤ Full Enclosure with Wide Front Access and Swing-open Side Doors
- Right and Left Side LED Work Lights

➤ 3-stack Signal Light

➤ Door Safety Interlocks

➤ Spindle Thermal Chiller Assembly

➤ Flood Coolant Ring and Washdown System

➤ Pistol-style Coolant and Air Guns

➤ Metal Telescopic Way Covers

➤ Lift-Up Chip Conveyor

➤ Automatic Central Lubrication System

➤ Power Cabinet Heat Exchanger

➤ Way Lube Separation System

➤ Modular One-Piece ITX Control Rack

CAPACITY	X, Y, Z Axis Travel	42 x 24 x 24 in (1,066 x 609 x 609 mm)
	Spindle Nose to Table	6 to 30 in (152 to 762 mm)
	Table Working Surface	50 x 24 in (1,270 x 609 mm)
	Max. Table Load	3,000 lbs (1360 kg)
	T-Slots	3 x .71 in on 3.94 in Centers (76 x 18 mm on 100 mm Centers)
SPINDLE	Spindle Speed	15,000 rpm
	Spindle Taper	CAT 40 / Big Plus
	Spindle Motor Horsepower (1 min)	20 hp (14 kW)
	Spindle Motor Torque (1 min)	70.4 ft-lbs @ 1,500 rpm (95.4 Nm @ 1,500 rpm)
ATC	Number of Stations	30
	Tool to Tool ATC Time	1.5 sec
	Tool Changer Type	Electronic
	Max. Tool Diameter	3.1 in (78.7 mm)
	Max. Tool Length	11.8 in (299.7 mm)
FEEDRATE	Max. Programmable Feedrate	1,260 in/minute (32 m/minute)
	Rapid Traverse X, Y, Z Axis	XY: 1,496 in/minute (37.9 m/minute) Z: 1,260 in/minute (32 m/minute)
	Machine Weight	14,330 lbs (6,499.9 kg)