

• VMX64i 40-Taper/50-Taper for [REDACTED]



About HURCO

CNC technology designed to increase customer productivity and profitability.

Hurco has been leading the industry in CNC machine tool technology since 1968 with more than 80 patents. We understand the importance of agility, adaptability, and profitability when it comes to running a business. That's why we make reliable CNC machine tools with the most flexible control in the industry! Hurco is a U.S company with global reach, publicly traded on the NASDAQ stock exchange (HURC). Our mission: To provide unique, innovative technology to maximize productivity through reduced setup time and multi-tasking on the shop floor.

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for more
information



Hurco VMX64i

*Performance + Power
Vertical Machining Center*

VMX64i - 40T Starting at \$ 244,995

VMX64i - 50T Starting at \$ 264,995




Machine Specifications

Capacity		VMX64i	
X, Y, Z -axis Travel	64" x 34" x 30"		
Table Working Surface	66" x 35"		
Maximum Table Load	6,000 lbs.		
Spindle Nose to Table	5" to 35"		
Floor to Table Surface	45.5"		
Table T-Slots	7 x .71" on 4.92" Centers		
Spindle		VMX64i-40T	VMX64i-50T
Spindle Type	Belt Drive / CAT 40 / Big Plus	Belt Drive / CAT 50	
Spindle Speed	12,000 RPM	8,000 RPM	
Spindle Motor Horsepower	24 HP	29.7 HP	
Spindle Motor Torque	176.1 ft-lbs at 720 RPM	260 ft-lbs at 600 RPM	
High Torque <i>Option</i> RPM / Peak Torque	10,000 RPM / 210 ft-lb	6,500 RPM / 311 ft-lb	
Motion		VMX64i	
Rapid Traverse Rate X,Y / Z	709 ipm X,Y/ 530 ipm Z		
Max Programmable Feedrate	709 ipm X,Y/ 530 ipm Z		
Least Command Increment	0.0001"		
Accuracy		VMX64i	
Positioning Accuracy (10 pass VDI 3441 Method)	0.0004"		
Repeatability (10 pass VDI 3441 Method)	0.0002"		
Circularity (150 mm Diameter)	0.0008"		
ATC		VMX64i-40T	VMX64i-50T
Number of Stations	40	32	
Maximum Tool Diameter	3.0"	4.9"	
Maximum Tool Diameter – Adjacent Pockets Empty	5.1"	8.6"	
Maximum Tool Length for ATC	11.8"	11.8"	
Maximum Tool Weight for ATC	15.4 lb.	33 lb.	
Tool to Tool ATC Time	2 sec	4 sec	
Chip to Chip Time – VDI 2852	8 sec	13 sec	
Capacities		VMX64i	
Main Coolant Tank	156 gallons		
Chip Conveyor Tank	65 gallons		
Flood Coolant Pump Rating	24.7 gallons / minute		
Machine Dimensions		VMX64i-40T	VMX64i-50T
Operating Dimensions (Doors Open / Dual Screen)	249.5" x 177.0" x 131.3"	249.5" x 177.0" x 131.3"	
Footprint (Doors Closed)	198.6" x 163.3"	184.7" x 138.2"	
Machine Weight	32,837 lbs	32,187 lbs	
Shipping Weight	37,261 lbs	37,920 lbs	
Front Enclosure Door Opening	64.6"	66.3"	
Shipping Dimensions W x D x H (metal crate)	184" x 119" x 132"	184" x 119" x 132"	
Utility Requirements		VMX64i	
Air Requirements, Base Machine	3 – 15 CFM @ 80 – 100 psi		
Voltage	200 – 240 VAC / 60 Hz / 3-phase		
KVA Rating (Base Machine, Full Load)	23 KVA	32 KVA	
Main Circuit Breaker Amps, Full Load, Base Machine @ 230V Incoming - estimated	56 amps	79 amps	
Power Ratings Provided Herein are for Base Machine Operation ONLY. Additional Options may affect these ratings			



Machine Pricing

VMX64i – 40 Taper	VMX64i – 50 Taper
\$244,995	\$264,995

Warranty Information	
Standard Warranty: 24 months on control and motor & drive components / 12 months on mechanical/electrical components / 12 months labor. Delivery: F.O.B. Shipping Point. Prices good for 30 days. Proposal subject to error correction. Options and accessory prices listed are valid on new machine purchases only. For Complete Details on LIMITED WARRANTY AND SOFTWARE LICENSE, Click here or scan QR code	




Software Options	Price:	
Enhanced DXF Transfer	\$2,500	
Swept Surface	\$2,500	
Tool and Material Library	\$2,500	
NC / Conversational Merge	\$2,500	
Ultipocket	\$2,500	
3D Import (Includes 3D DXF & Solid Model Import)	\$4,995	
Solid Model Suite – 3D Import + Ultipocket + Swept Surface	\$5,495	
WinMax Desktop Software	\$4,300	
3D Import for Winmax Desktop	\$3,995	
ESF (formerly Ultimonitor)	\$1,350	
Remote Data Access: for utilizing the MT Connect® protocol to access machine data.	\$3000	
Assigned Tool Pocket	\$995	
Job List	\$3,495	
Linear Thermal Compensation	\$2,500	
Accessories/Options:	Price:	
Hurco Fatigue Mat	\$95	
Spindle Chiller	\$3,495	
BT Arm Conversion	\$2,195	
High Torque Package	\$4,295	
Air Through the Spindle – (Requires CTS Option)	\$1,595	
Mist Collector Assembly	\$11,590	
Air Conditioner	\$4,295	
Renishaw Part and Tool Probing:	Price:	
Renishaw Part Probe, OMP40	\$5,595	
Renishaw Part Probe, OMP400	\$6,195	
Renishaw OTS Contact Tool Setter	\$3,395	
Renishaw RMP60 Part Probe	\$7,795	
Renishaw RMP600 Part Probe	\$9,395	
Renishaw RTS Contact Tool Setter	\$4,795	
Renishaw Non-Contact Laser Tool Probe, NC4	\$4,995	
Renishaw Probe Interface: One interface required per machine.	\$995	
Renishaw Probe Productivity Package:	Price:	
OMP40 Part Probe / OTS Contact Tool Probe Package complete with Probe interface	\$7,495	
OMP400 Part Probe / OTS Contact Tool Probe Package complete with Probe interface	\$8,195	
Renishaw RMP60 / RTS Complete with Probe interface Package	\$10,295	

For More Information on Hurco Software Options, click or scan here



For More Information on Renishaw Probing Options, click or scan here



Renishaw Probe Productivity Package Continued:			
Renishaw RMP600 / RTS Complete with Probe interface Package	\$10,895		
Renishaw Rotating Tool Setting Software (for OTS/RTS Tool Touch Probes)	\$495		
Renishaw Non-contact Tool Setting Software (for NC4 Laser Tool Probe)	\$745		
Renishaw Inspection Plus Software	\$1,195		
Hurco Rotary Tables:	Price:		
H200 Hurco Rotary Table Complete, Sigma V (Includes 4th axis interface & cabling)	\$11,195	<p>For More Information on Hurco Rotary Tables, click or scan here</p> 	
H250 Hurco Rotary Table Complete, Sigma V (Includes 4th axis interface & cabling)	\$13,995		
H320 Hurco Rotary Table Complete, Sigma V (Includes 4th axis interface & cabling)	\$14,445		
H400 Hurco Rotary Table Complete, Sigma V (Includes 4th axis interface & cabling)	\$19,995		
H500 Hurco Rotary Table Complete, Sigma V (Includes 4th axis interface & cabling)	\$29,995		
HTS160 Hurco Tailstock (for Hurco H160 and H200 rotary tables)	\$1,295		
HTS250 Hurco Tailstock (for Hurco H250 rotary tables)	\$1,495		
HTS320 Hurco Tailstock (for Hurco H320 rotary tables)	\$1,795		
HTS400 Hurco Tailstock (for Hurco H400 rotary tables)	\$1,995		
HTS500 Hurco Tailstock (for Hurco H500 rotary tables)	\$2,695		
7 Inch, Hurco 3-Jaw, Scroll Chuck and Adaptor Plate for H160 /H200 rotary tables	\$1,295		
9 Inch, Hurco 3-Jaw, Scroll Chuck and Adaptor Plate for H250 rotary table	\$1,495		
12 Inch, Hurco 3-Jaw, Scroll Chuck and Adaptor Plate for H320 rotary table	\$2,795		
Rotary Tail Support Assembly, HTSA200 (Applicable for the H200 Rotary Table Only)	\$3,795		
Rotary Tail Support Assembly, HTSA250 (Applicable for the H250 Rotary Table Only)	\$4,195		
Rotary Tail Support Assembly, HTSA320 (Applicable for the H320 Rotary Table Only)	\$4,495		
Rotary Tail Support Assembly, HTSA400 (Applicable for the H400 Rotary Table Only)	\$5,695		
Rotary Tail Support Assembly, HTSA500 (Applicable for the H500 Rotary Table Only)	\$6,295		
Indexer Interface Option	\$1,195		
Koma Rotary Tables and Accessories	Price:		
Koma TWA-100 4th / 5th Axis Rotary Table	\$50,995	<p>For More Information on Koma Rotary Tables, click or scan here</p> 	
Koma TWA-130 4th / 5th Axis Rotary Table	\$51,495		
Koma TWA-160 4th / 5th Axis Rotary Table	\$58,495		
Koma TWA-200 4th / 5th Axis Rotary Table	\$62,895		
6" Manual 3-Jaw Scroll Chuck (TWA100 / TWA130 / TWA160)	\$1,700		
8" Manual 3-Jaw Scroll Chuck (TWA160 / TWA200)	\$2,100		
10" Manual 3-Jaw Scroll Chuck (TWA200)	\$2,600		
135 mm T-Slot Faceplate (TWA-100)	\$1,250		
160 mm T-Slotted Faceplate (TWA-160)	\$1,300		
200 mm T-Slotted Faceplate (TWA160 / TWA-200)	\$1,400		
Manual Tailstock w/MT2 Center (TWA100 / TWA130)	\$2,400		
Manual Tailstock w/MT2 Center (TWA160)	\$3,500		
Manual Tailstock w/MT3 Center (TWA200)	\$3,400		
Motion Control Options:	Price:		
Linear Glass Scales X, Y, and Z axis	\$14,695		
Tooling and Work-holding Options:	Price:		
Tool Holder kit, 40 Taper (10 pc. tooling pkg., including collets and wrench) (CAT 40 only)	\$1,495	<p>For More Information on Hurco Tooling and Vises, click or scan here</p> 	
Retention Knob Kit, Non-Coolant Thru Spindle (16 pc.)	\$275		
Retention Knob kit, Coolant Thru Spindle (16 pc.)	\$375		
HV44 Hurco Vise, 4" Jaw, 4" Opening	\$425		
HV689 Hurco Vise, 6" Jaw, 8.9" Opening	\$775		

Tooling and Work-holding Options Continued:	Price:
HV810 Hurco Vise, 8" Jaw, 10" Opening	\$1,425
HVS66 Hurco Vise, 6" Jaw, 6" Opening, Stackable	\$895
HVDC65 Hurco Vise, 6" Double Clamping, Anti-lift	\$1,495

Program Training

Class	At Your Facility	At Hurco
Hurco WinMax Mill Introductory Programming	\$6,000 flat fee (3 days onsite)	\$750 / per person

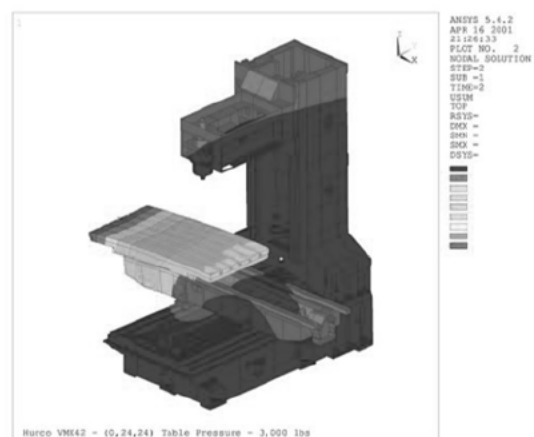
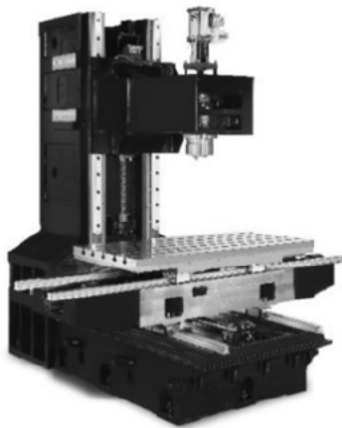


For online training resources and more, check out our customer website at Hurco.com/connect

Standard Machine Features

- » Heavily Ribbed Fine-Grade Cast Iron Frame Optimized with Finite Element Analysis
- » Wedge-Locked HD Linear Rails with Roller Bearings on X/Y/Z Axes
- » Direct Drive Ballscrews X/Y/Z
- » 12,000/8,000 RPM Dual-Wound Spindle CAT 40 Big Plus / CAT 50
- » Yaskawa Sigma V Digital AC Servos
- » Full Enclosure with Wide Access Doors
- » Right and Left Side LED Work Lights
- » Electric Swing-Arm ATC – Random Access
- » Door Safety Interlocks / ANSI B11.23
- » Coolant Through Spindle 300 psi
- » Flood Coolant Ring and Washdown System
- » Lift-Up Chip Conveyor
- » Air Blow Machining
- » Pistol-style Coolant and Air Guns
- » Metal Telescopic Way Covers
- » Automatic Central Lubrication System
- » Power Cabinet Heat Exchanger
- » Way Lube Separation System

Heavily Ribbed Fine-Grain Cast Iron Frame



X and Y Extreme
Z at Maximum Travel
Maximum Travel Load

Finite Element Analysis

Finite Element Analysis (FEA) is used to evaluate structural rigidity, torsional stiffness, thermal characteristics and natural frequency to achieve the best frame design. Critical with today's high velocities and accelerations - machine performance is carefully optimized in order to maintain part quality.

Precision Ballscrews

Hurco uses premium grade ballscrews that are supported at both ends. The pre-loaded ball-nut presents multi point contact to the ball screw. This keeps the nut under tension and improves repeatability and prevents backlash.

Electrical/Drive System

Yaskawa Sigma V Digital Drives

Hurco uses state-of-the-art premium servos and drives from Yaskawa, the world's largest manufacturer of motors and drives. They provide enhanced vibration suppression and feature higher speed acceleration and deceleration. High-resolution encoders provide 1,048,576 counts per revolution.

ITX Technology

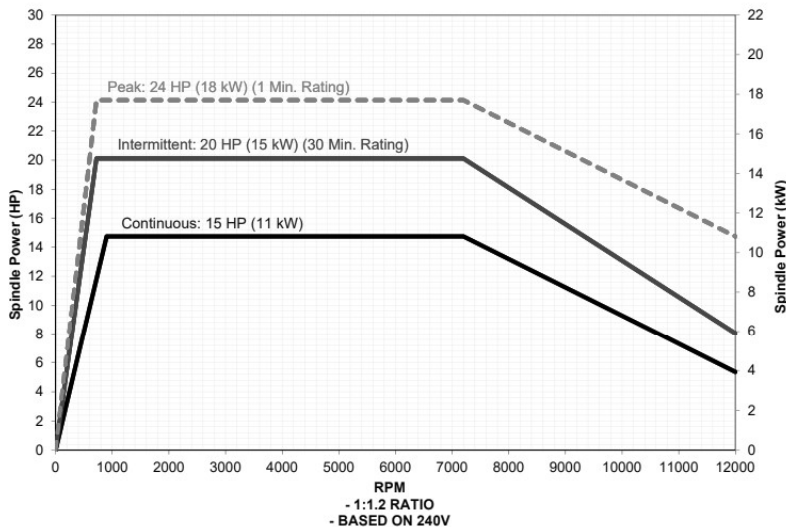
The Hurco ITX design eliminated more than 200 plug-in connections and over 100 board level parts which results in very high reliability. The modular design minimizes downtime as the one-piece control module can quickly and easily be swapped out in the field. Configuration auto-back-up to flash drive for easy recovery.

12,000 RPM / 8,000 RPM Cartridge Spindles

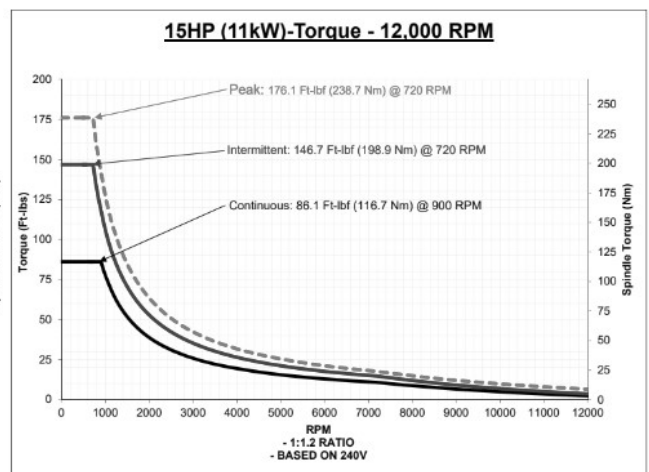
Hurco spindles are large diameter and are made of chrome-molly alloy for longer wear and corrosion prevention; and equipped with ABEC 7 precision class angular contact hybrid-ceramic bearings permanently grease packed. VMX series spindles are air purged top and bottom to prevent contamination; and precision balanced for long life.

VMX64i-40 Taper

15HP (11kW)-HP - 12,000 RPM

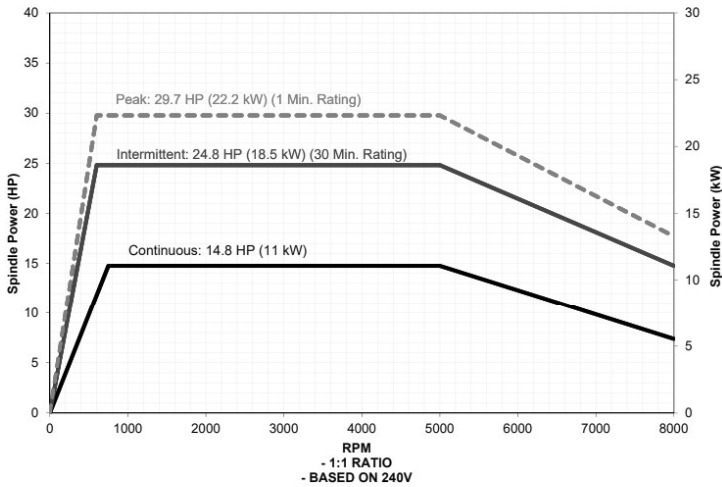


15HP (11kW)-Torque - 12,000 RPM

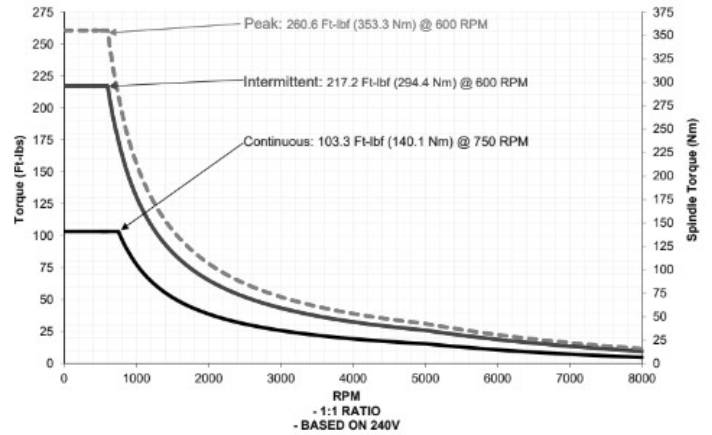


VMX64i-50 Taper

14.8HP (11kW)-HP - 8,000 RPM



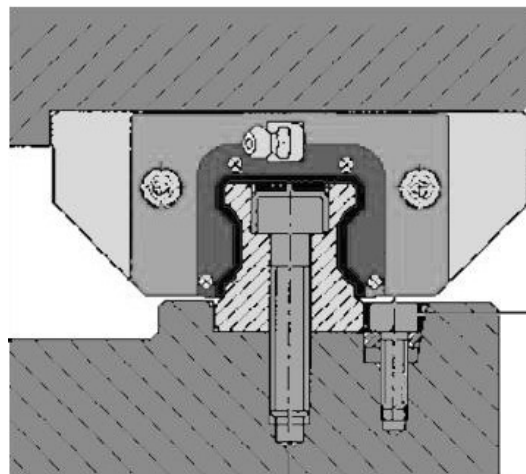
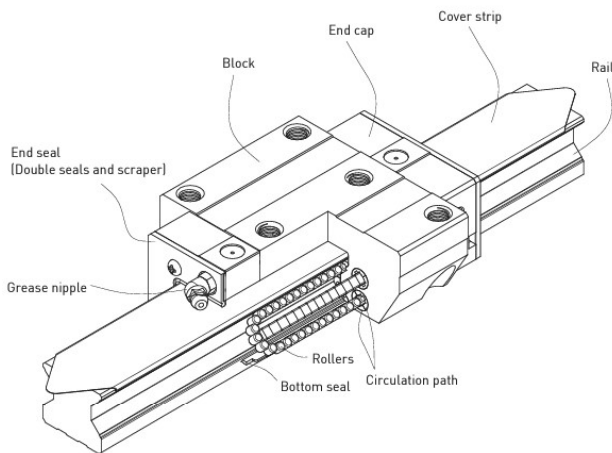
14.8HP (11kW)-Torque - 8,000 RPM



Linear Roller Guideways

Wedge-Locked Heavy-Duty Linear Rails

Hurco's linear motion guides provide excellent rigidity during heavy cutting with very low friction characteristics that help with the higher feed rates of 3D cutting. Hurco castings are machined with slot and shoulder for rail - rail is then wedge clamped to shoulder to ensure straightness and rigidity.



For more information on “How It’s Made” click or scan here



Standard Machine Features – Construction



- A. Dual Screen Adjustable Control: 45° Swing, 6" Vertical Movement, Angular Keyboard
- B. Full Enclosure with Wide Front Access and Side Access Doors
- C. Lift-Up Chip Conveyor
- D. Machine Washdown System
- E. Work End Signal Light
- F. Pistol-Style Coolant and Air Guns
- G. LED Lighting

Hurco Max5 Control Features



- Dual 19" Touch Screen Monitors
- 128 GB Solid State Hard Drive
- 4 GB RAM
- 64 Gb Program Storage
- Up to 1000 registered programs
- 2.7 GHz Dual Core Intel Processor
- Windows 10 IoT Enterprise 2019 LTSC OS
- Windows Networking / Ethernet 10 Base 2 x USB Ports
- 0.0001"/0.001 mm program increment
- Remote Jog Assembly Feedrate/Rapid/Spindle Speed Overrides
- Customizable Digital Readout
- Estimated Run Time*
- Recovery Restart*
- Coordinate Rotation/Scaling/Mirroring
- Dynamic Variable Lookahead (10,000+ blocks)
- Spindle Orientation
- Translate to 22 Languages
- 2 Gb Maximum Program Size
- 3D Graphics Verification
- RS-232 Port (Optional)
- Full QWERTY Keyboard
- On-screen Scientific Calculator
- On-board Interactive Help / Programming Manuals
- Feed Hold
- Spindle Load Monitor
- Dual "Coolant Select" Buttons
- Cycle Interrupt Button*
- Graphical Data Block Search*

*For more information on Hurco Max5 Operational Features, click here or scan QR code



NC Programming Features

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> ▪ Macro Mode B ▪ Background Editing ▪ 200 sets Tool Offsets ▪ 10 User Defined G-codes ▪ 13 User Defined M-codes ▪ Trig Functions ▪ Direct Line/Angle Programming, G00/G01 ▪ Circular Interpolation, G02/G03 ▪ Absolute/Incremental Programming | <ul style="list-style-type: none"> ▪ Helical Interpolation ▪ Cut/Copy/Paste Edit Functions ▪ Workpiece Coordinate Systems, G54-G59 ▪ Auxiliary Workpiece Coordinate Functions ▪ Tool Length Compensation ▪ Tool Radius Compensation ▪ Rigid Tapping ▪ Work Plane Selection, G17/G18/G19 | <ul style="list-style-type: none"> ▪ Coordinate Rotation/Scaling/Mirroring ▪ Canned Cycles, G73-G89 ▪ Feed Per Minute, G94 ▪ Inverse Time Feed, G93 ▪ 3D Circular Interpolation ▪ Polar Coordinates ▪ Precision Cornering ▪ Absolute Positioning ▪ G-Code Editor (Watch the video) |
|--|---|---|

For a complete list of G/M Codes, scan or click here or scan the QR

