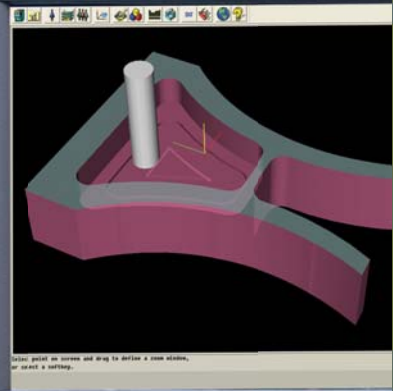
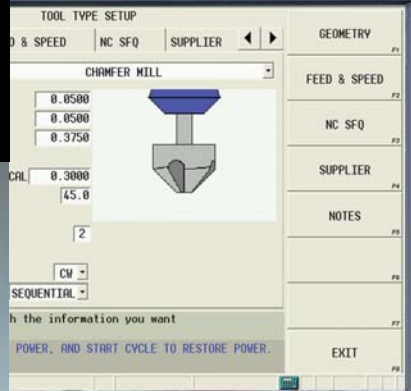
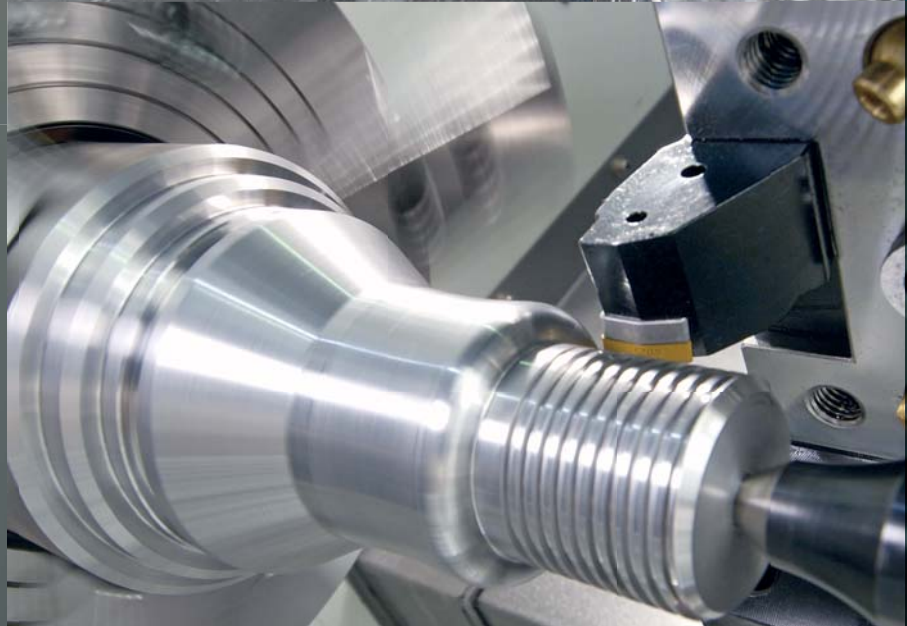


HURCO
NORTH AMERICA®



The simplicity of truly
powerful technology
combined with machines
that are precise, fast, and
reliable means measurable
productivity improvements
for our customers.



SOFTWARE

MACHINING

TURNING



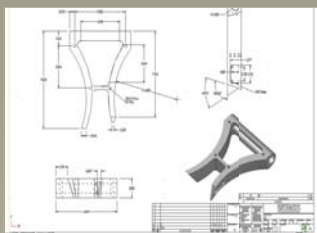
We're focused on your success.

Whether you own a job shop, you're just starting your business, or you are in charge of a high production operation for a big company, Hurco has the perfect machine tool for you. We continue to expand our product line to meet the needs of our customers—who continue to grow. New segments. New parts. New customers. Whether you're one of our loyal Hurco customers who has grown with us since our founding in 1968 or you are new to Hurco, your business will benefit from the technology we develop.

It starts with the solid, cast iron construction of reliable machine tools that are rigid and reliable—that's a given. What sets us apart is our technology. When you buy a Hurco machine tool, you're investing in the technology that powers our integrated control. Our technology is the most efficient way for you to increase productivity and profitability.

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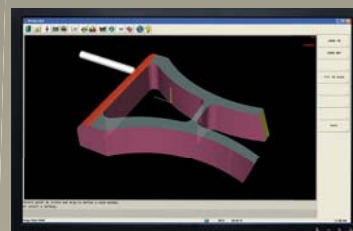
The best control in the industry.



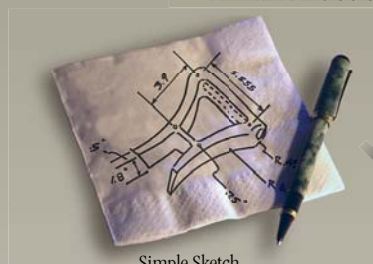
Minimum Dimensions Drawing



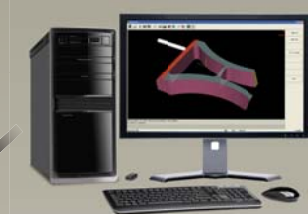
CAD/DXF Files



CAD/CAM Station



Simple Sketch



Desktop

Control Features/Options	WinMax® Software/Automation Packages		
Conversational Programming NC (G-Code) Programming 12-Inch Color LCD Touch Screen Monitor Dual 12-Inch Color LCD Touch Screen Monitors Up to 32 GB Capacity Hard Drive 2 GB RAM 64 Bit Chip Set Technology 3.5" Floppy Disk Drive USB 2.0 Port RS-232 Port, VMC (2), Lathes (1) Text Input Capabilities Up to 600 ipm Programmable Feed-Rate (Up to 900 ipm with UltiMotion) 600 Block Look-Ahead (Adaptive Look-Ahead with UltiMotion) Up to 2,277 bps Processing Speed Multi Processor DSP Motion Control System Power On Diagnostics On Screen System Configuration Recovery Cycle RPM Override Single Cycle Mode Stop Cycle Button	4 th Axis Rotary Wrap 99 Work Offsets (G-Code) Advanced Verification Graphics with 3D Solid Rendering Auto Interrupt Cycle Automatic Tool Home Backlash Compensation Concurrent Programming (Conversational & NC) Context Sensitive Help Control and Machine Diagnostics Coolant Select (Dual) Data Block Search Displayed Spindle Load Monitor Distance To Go (Conversational & NC) DXF Transfer Feed Hold Button Feed-Rate Override FTP File Transfer Frame Mill Graphics Display (Tool Path, Solids, Projection in 3 Planes, Isometric) Graphics Error Verification Graphics Scaling Graphics Zoom	Helical Interpolation Inch-Metric Programming Indexer Routine Industry Standard NC (ISNC) Leadscrew Compensation Linear Repeat Mirror Image NC/Conversational Merge NC Probing Cycles NC Productivity Package (NCPPI) Parts Counter Part Probing Pattern (Scaling, Rotation, Translation) Peck Mill Program Manager Function Program Parameters Program Review with Cut/Copy/Paste Programmable Safety Zones Real Time Tool Simulation Rectangular Repeat Rigid Tap SelectSurface Finish Quality (SFQ) Serial Number	Slots Simultaneous 5-Axis Speed and Feed Edit while Running Swept Surface with 3D Mold Test Run Thread Milling Tool Center Point Management Tool and Material Library Tool Change Control (Auto/Manual) Tool Picker System (TPS) Tool Probing True Type Lettering Package UltiMotion UltiPocket with Helical Ramp Entry Unlimited Work Offsets (Conversational) Universal Rotary WinMax Desktop

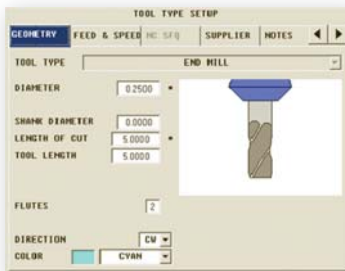
Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

WinMax® takes conversational to a new level.

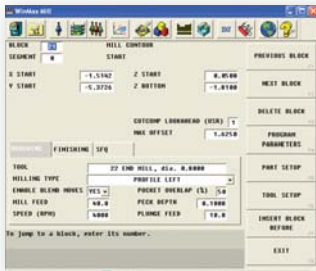
Hurco continues its reputation for technology innovation that yields measurable productivity gains for its customers because we're focused on your success. When we designed WinMax control software, we focused on simplicity for the user—less keystrokes, intuitive software, advanced graphics capabilities, and an enhanced graphical interface. Conversational programming with WinMax gets you from print to part faster than ever. Three steps and you're there. Setup. Program. Verify.

STEP 1: Setup



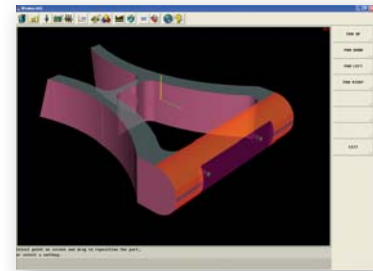
Setup is even faster with the WinMax Tool & Material Library. You only need to set up each tool one time and you're finished. Just recall the tool the next time you need it. Additionally, you can predefine the tool lengths with the Absolute Tool Length feature.

STEP 2: Program



The graphical user interface of WinMax simplifies programming. Conversational programming with WinMax will save you time and give you peace of mind—especially when you need to hire and train employees because it's easy to learn and easy to use.

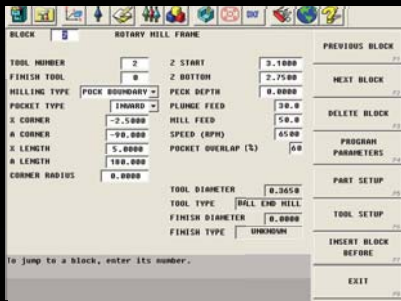
Step 3: Verify



Advanced Verification Graphics with 3D solid rendering of the part, including dynamic rotation and real time tool display, make proving out the part a snap. View the part from any angle without the need to redraw it.

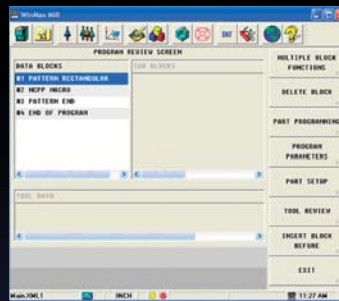
- **Tool Change Optimization** evaluates the part program and automatically reduces the number of tool changes for faster throughput.
- **UltiMotion** uses accurate model compensation to give you consistent performance, faster throughput, and superior surface finish across a range of working conditions.
- **Powerful software** simplifies 5-sided programming.
- **Swept Surface** reduces programming time by 80 percent and simplifies 3D mold programming.
- **DXF Transfer** eliminates bottlenecks with automated programming.
- **SelectSurface Finish Quality (SFQ)** maximizes surface finish and minimizes cut time.
- **AutoCalc** saves valuable time because it automatically trigs out missing values.





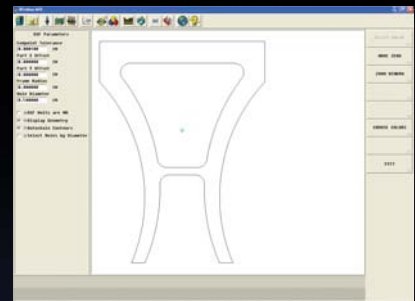
Industry's best shop floor programming

Conversational programming takes the pain out of going from print to part. The control's Math Assist AutoCalc saves valuable time because it trigs out the missing fields.



Get maximum benefits with the best of both programming methods

NC/Conversational Merge lets you incorporate NC code into conversational programs.



Automated Programming with DXF

Send the .dxf file directly to the control. Edit as needed at the machine (supports hole and pattern locations). Verify by checking the rendering on the screen.

Dual Touch Screens



Optimize and Save

Adjust the speeds, feeds, and rapids for optimum machining and then save them instead of manually entering the new values into the part program.

Program Interrupt

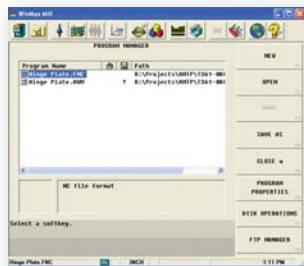
A true program interrupt button that stops cutting, retracts the tool, and when pressed again, resumes right where it left off.

Winmax

More benefits with NC.

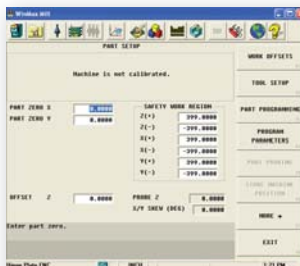
When developing WinMax®, we listened to our customers and our competitors' customers, who were under the impression we only cared about "conversational" and didn't support the NC side. With WinMax, we developed an enhanced NC interpreter that has increased compatibility with CAD/CAM packages. We also added popular software features, such as concurrent programming, to the NC side of our integrated control.

1: Load



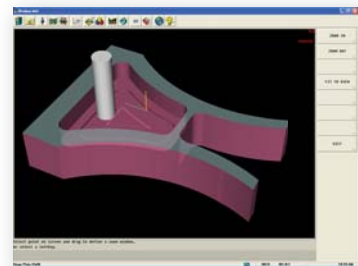
- USB
- Ethernet/Network
- 3.5" Floppy Disk Drive
- RS-232 Port
- 32 GB Hard Disk Drive

2: Process



- 2.8 GHz Pentium 4 Processor
- 2 GB RAM
- Up to 2,277 bps Processing Speed
- 600 Block Look Ahead
(Adaptive Look Ahead with UltiMotion)
- S-Curve Acceleration
- Proprietary motion control

3: Cut



- Recovery restart
- Sophisticated Program Interrupt pauses the cycle along the tool path
- Fast editing with Data Block Search
- See 21 lines of NC data and current modal states during run time
- Concurrent Programming lets you edit the next program while the machine is cutting

Software to simplify 5-axis

Eliminate redundant part zero setups with Tool Center Point Management. Each time you refixture, you have to waste valuable time re-entering the distance from part zero to the centerlines of rotation and then repost the program. With Tool Center Point Management, you can post the program independent of where the stock is fixtured on the table—a substantial time saver for 5-axis parts.

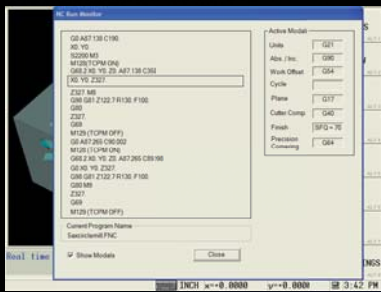
NC Conversational Merge popular with job shop G-coders

Apply popular conversational features, such as tool probing, part probing, pattern operations, and scaling, to G-code programs.

Increase the power of your control with ISNC

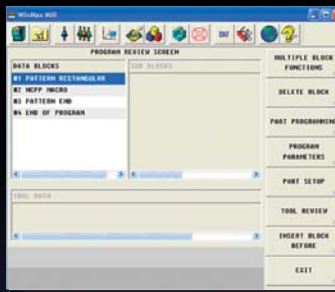
Combine Industry Standard NC (ISNC) with the NC Productivity Package (NCP) to use existing G-code programs with little or no need to edit. This package provides compatibility with FANUC® programs.





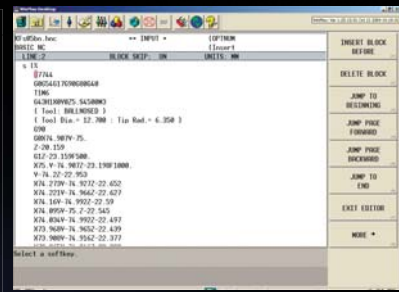
Full featured G-Code

The enhanced NC interpreter increases compatibility with CAD/CAM packages. Multi-line G-Code lets you see 21 lines of NC data and current modal states during run time.



NC/Conversational Merge most popular with job shop G-coders

Apply popular conversational features, such as tool probing, part probing, pattern operations, and scaling, to G-code programs.

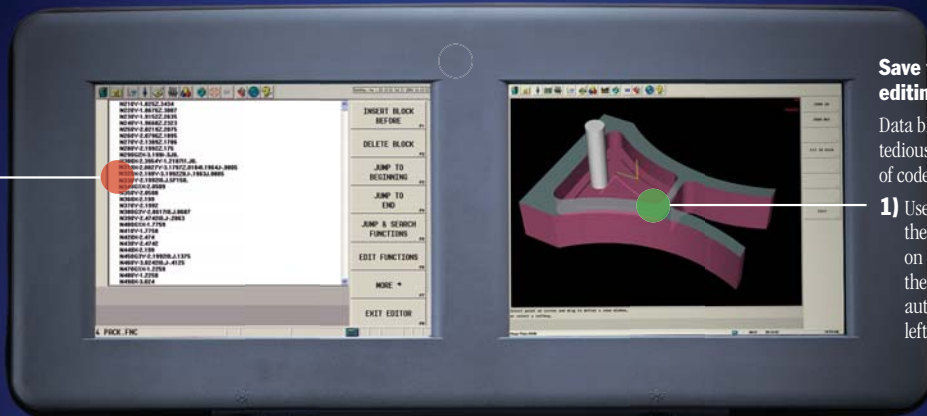


Faster setups with NC canned cycles

WinMax has more NC Probing Canned Cycles than ever, including part-zero corner, hole, rectangle skew edge, cylinder, and rectangle pocket, with full support of Renishaw® NC part and tool probing macros.

Dual Touch Screens

2) The corresponding code automatically appears with one click.



Save time with one click editing

Data block search eliminates the tedious task of searching for a line of code.

1) Use the touch screen to select the section you need to edit on the graphics screen and the corresponding code automatically appears in the left text screen.

WinMax

Best in Class details make it a Hurco machining center.

■ Superior Construction. Quality Components.

Fine grain, high-grade cast iron frame.
Larger linear rails.
Double-nut pre-tensioned ball screws.
State-of-the-art servos, drives, motors.

Dual wound high torque
spindle motor.

Swing Arm ATC stays out of work cube.

Fully-enclosed, side-mounted, swing arm ATC gives you more room to work and is faster than the umbrella style. The Hurco ATC design lets us deliver machines with larger work cubes and smaller footprints.

- More reliable electrical indexer instead of pneumatic.
- More tool pockets than competitors.
- Full enclosure keeps chips out and tools clean.

Easy chip management eliminates costly cleanup and saves time.

- 1 Coolant ring with adjustable nozzles.
- 2 Strategically located adjustable washdown nozzles.
- 3 Sloped telescopic way covers protect internal machine parts.
- 4 Dedicated pump system.
- 5 Scraper-type conveyor with barrel height discharge.

Larger door openings.

A large front opening gives you more room to load and unload.
Easy overhead crane access to load large, heavy parts or fixtures.

Largest work cube in its class.

On average, the work cubes on Hurco machining centers are 50% larger than competitive models.

Sloping telescopic way covers.

Designed to keep chips out and to protect the premium components inside the machine.

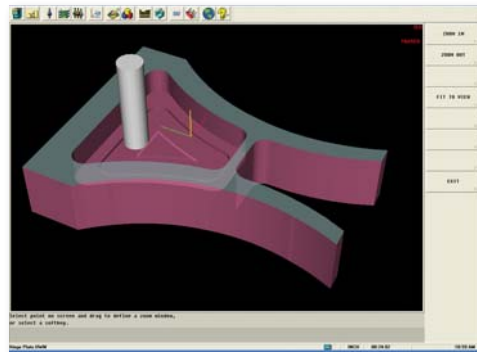
Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

WinMax®

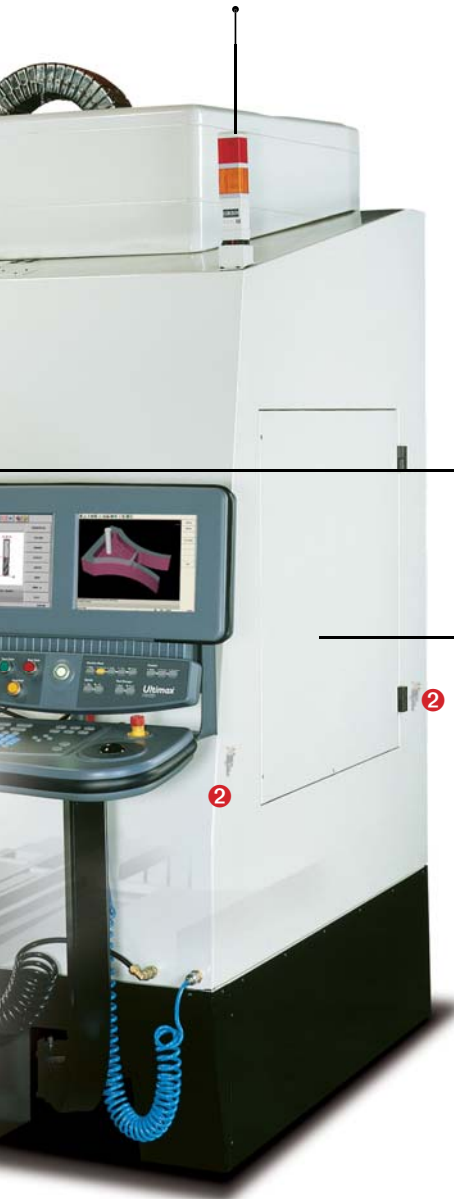
**Slashes setup time.
Increases productivity.**

Hurco's integrated control powered by WinMax has more features that save time than any other control. Both NC and conversational programming are standard on our control, which gives you flexibility. With an enhanced NC interpreter, NC programming is more powerful and is compatible with more CAD/CAM packages than ever. For conversational programming, we continue to add intuitive features that handle the tedious tasks so you can focus on the important stuff. Since WinMax uses the proven Windows® platform, you're less likely to get stuck with an outdated control in the future.



Signal light.

You can see what the machine is doing from across the shop. Indicates end of cycle, motion hold, machine fault, and emergency stop.



State of the art spindle technology.

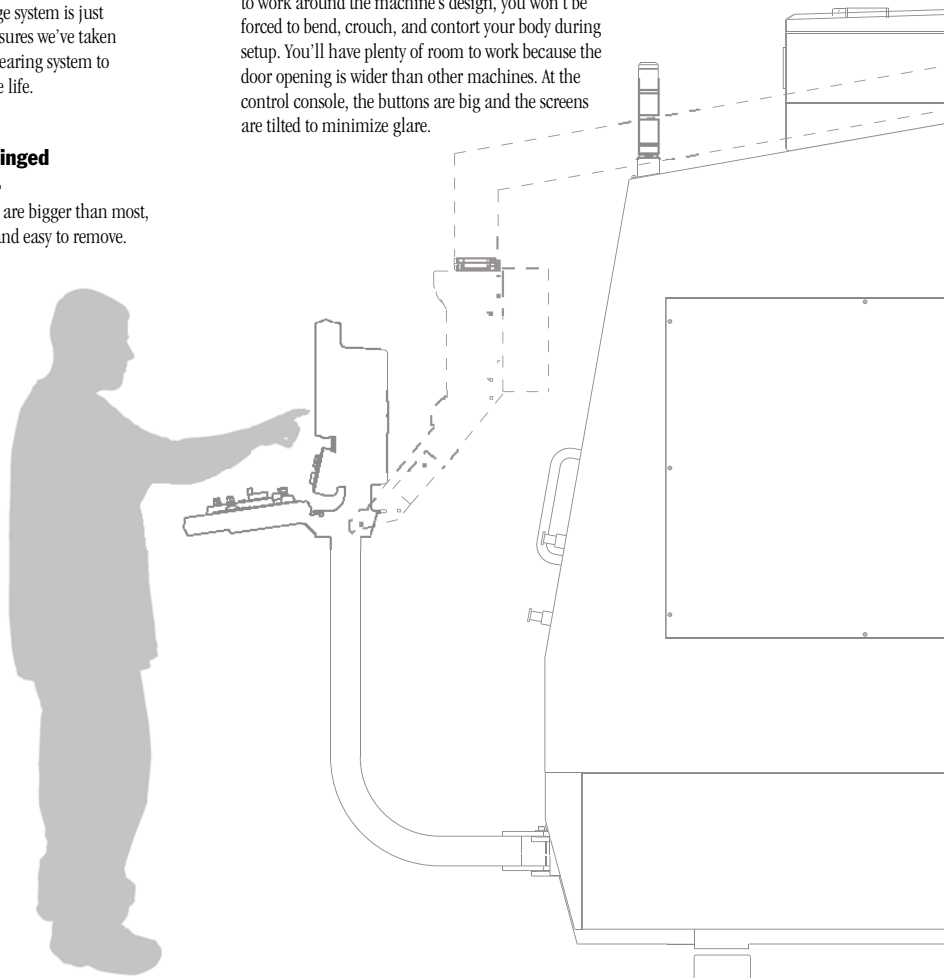
Reliable. Powerful. Precise. A double air purge system is just one of the measures we've taken to protect the bearing system to prolong spindle life.

Oversize, hinged side doors.

The side doors are bigger than most, easy to open, and easy to remove.

Designed to fit you.

Designed to fit how you work instead of forcing you to work around the machine's design, you won't be forced to bend, crouch, and contort your body during setup. You'll have plenty of room to work because the door opening is wider than other machines. At the control console, the buttons are big and the screens are tilted to minimize glare.



VMX24
VMX30
VMX42
VMX50
VMX60
VMX64
VMX84



Precise, fast, and accurate.

The performance and flexibility of the VMX Series of machining centers is so broad, it spans all industries and shop sizes. From the aerospace industry to the medical device industry, there's a VMX vertical machining center that fits the bill.

- High torque, fast feed rates, heavy rigid frame.
- The VMX Series is known for its huge work cube (50% larger on average than competitive models) that lets you schedule a wider variety of work.
- Exceptional cutting feed rates and surface finish software options provide the fastest cut with the best quality.
- Greater part accuracy with heavier, digital servo drives, and larger ball screws.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Screen System
Flood Coolant
High Pressure CTS
Telescopic Way Covers
Top Hood
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

Dual Wound Motor
High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises
Trunnion Tables

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails (Box ways on Z-axis, VMX64, VMX84)
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

This manufacturer of specialized machining systems used for furniture production and construction part manufacturing switched to Hurco when they realized a 76% reduction in programming time due to the capabilities of the integrated Hurco control. With more than 20 Hurco vertical machining centers at their operation, the company continues to experience significant improvement in productivity and consistency due to their decision to convert to Hurco.



Expert design and premium components result in rugged machining centers with small footprints and extraordinarily large work cubes. The frame is made of fine grain, high-grade cast iron and we wedge lock the linear rails, which reduces vibration, instead of simply face milling the rails to the frame.



		VMX24		VMX30		VMX42		VMX50	
X,Y,Z Axis Travel, inches (mm)		24 x 20 x 24 (610 x 508 x 610)		30 x 20 x 24 (762 x 508 x 610)		42 x 24 x 24 (1,067 x 610 x 610)		50 x 26 x 24 (1,270 x 660 x 610)	
Table Size, inches (mm)		30 x 20 (760 x 508)		40 x 20 (1,016 x 508)		50 x 24 (1,270 x 610)		59 x 26 (1,500 x 660)	
Max Wt. on Table, lbs (Kg)		3,000 (1,360)	1,500 (680)	3,000 (1,360)	1,500 (680)	3,000 (1,360)	1,500 (680)	3,000 (1,360)	1,500 (680)
Peak Spindle, hp (Kw)		12 (9)	20 (15)	18 (13.4)	20 (15)	24 (18)	29 (21.6)	24 (18)	29 (21.6)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	6.5k	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	8k	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10k	85 @ 750 (115) @ 750	75 @ 1,450 (102) @ 1,450	185 @ 500 (251) @ 500	75 @ 1,450 (102) @ 1,450	210 @ 600 (285) @ 600	105 @ 1,450 (142) @ 1,450	210 @ 600 (285) @ 600	N/A
	12k	70 @ 900 (95) @ 900	N/A	158 @ 600 (214) @ 600	N/A	175 @ 720 (237) @ 720	N/A	175 @ 720 (237) @ 720	N/A
	15k	56 @ 1,125 (76) @ 1,125	N/A	126 @ 750 (171) @ 750	N/A	140 @ 900 (190) @ 900	N/A	140 @ 900 (190) @ 900	N/A
Rapid Traverse X,Y / Z Axis inches (M) / min		1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)	1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)	1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)	1,181 / 787 (30 / 20)	
Number of Tools Standard / Option		24 CAT (BT) 40		24 CAT (BT) 40		24/40 CAT (BT) 40		24/40 CAT (BT) 40	30 CAT (BT) 50
Positioning, inches (mm)		±0.0002 (0.005)		±0.0002 (0.005)		±0.0002 (0.005)		±0.0002 (0.005)	
Repeatability, inches (mm)		±0.0001 (0.0025)		±0.0001 (0.0025)		±0.0001 (0.0025)		±0.0001 (0.0025)	
Machine Weight, lbs (Kg)		10,225 (4,640)	9,590 (4,350)	10,450 (4,740)	9,810 (4,450)	14,525 (6,590)	14,080 (6,400)	17,900 (8,120)	19,200 (8,700)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions. Machines shown with options. Prices and information may change without notice.

Continued on next page

VMX24
VMX30
VMX42
VMX50
VMX60
VMX64
VMX84



VMX machining centers for larger parts.

The reliability of VMX machining centers is also available in larger sizes. While some builders simply stretch a 50-inch machine, we don't cut corners at Hurco. These VMX machining centers were designed and built from the ground up to be true 60-inch, 64-inch, and 84-inch machining centers.

- Huge work cube for big parts and scheduling flexibility.
- Exceptional cutting feed rates up to 600 ipm (up to 900 ipm with UltiMotion).
- Box ways are utilized for the VMX64 and VMX84 because they are better at damping vibration for heavy duty operations.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Screen System
Flood Coolant
High Pressure CTS
Telescopic Way Covers
Top Hood
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

Dual Wound Motor
High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises
Trunnion Tables

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails (Box ways on Z-axis, VMX64, VMX84)
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

Rigorous attention to detail is central to the success of our manufacturing operation. Each machine is hand polished and inspected after every stage of the manufacturing process.



A sturdy frame and best practices in manufacturing yield a rigid machine. We use high-grade cast iron for Hurco frames. Unlike many competitors, we wedge lock the rails to the frame.

VMX84 Frame
with 96 Station ATC



Continued from previous page

		VMX60			VMX64		VMX84	
X,Y,Z Axis Travel, inches (mm)		60 x 26 x 24 (1,524 x 660 x 610)			64 x 34 x 30 (1,625 x 864 x 762)		84 x 34 x 30 (2,134 x 864 x 762)	
Table Size, inches (mm)		66 x 26 (1,676 x 660)			66 x 35 (1,676 x 889)		86 x 34 (2,184 x 864)	
Max Wt. on Table, lbs (Kg)		3,000 (1,360)	3,000 (1,360)	1,500 (680)	6,000 (2,722)		5,000 (2,268)	
Peak Spindle, hp (Kw)		24 (18)	29.7 (22.2)	29 (21.6)	24 (18)	29.7 (22.2)	24 (18)	29.7 (22.2)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	6.5k	N/A	312 @ 500 (423) @ 500	N/A	N/A	312 @ 500 (423) @ 500	N/A	312 @ 500 (423) @ 500
	8k	N/A	260 @ 600 (353) @ 600	N/A	N/A	260 @ 600 (353) @ 600	N/A	260 @ 600 (353) @ 600
	10k	210 @ 600 (285) @ 600	N/A	105 @ 1,450 (142) @ 1,450	210 @ 600 (285) @ 600	N/A	210 @ 600 (285) @ 600	N/A
	12k	175 @ 720 (237) @ 720	N/A	N/A	175 @ 720 (237) @ 720	N/A	175 @ 720 (237) @ 720	N/A
	15k	140 @ 900 (190) @ 900	N/A	N/A	140 @ 900 (190) @ 900	N/A	140 @ 900 (190) @ 900	N/A
Rapid Traverse X,Y / Z Axis inches (M) / min		1,181 / 787 (30 / 20)			709 / 530 (18 / 13.5)		709 / 530 (18 / 13.5)	
Number of Tools Standard / Option		24 / 40 CAT (BT) 40	30 CAT (BT) 50	24 / 40 CAT (BT) 40	24 / 40 CAT (BT) 40	32 CAT (BT) 50	40 / 96 CAT (BT) 40	32 CAT (BT) 50
Positioning, inches (mm)		±0.0002 (0.005)			±0.0002 (0.005)		±0.0002 (0.005)	
Repeatability, inches (mm)		±0.0001 (0.0025)			±0.0001 (0.0025)		±0.0001 (0.0025)	
Machine Weight, lbs (Kg)		18,560 (8,420)	20,500 (9,300)	19,500 (8,845)	29,220 (13,600)	32,000 (14,510)	35,950 (16,300)	37,260 (16,900)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions. Machines shown with options. Prices and information may change without notice.



Fast. Precise. Reliable.

The BX Series is high speed machining at its finest. With an 18,000 rpm spindle, 1,575 ipm rapids, and 40 tools standard, these machining centers are ready to handle the toughest jobs. The bridge design is great for bigger parts and minimizes chatter and vibration.

- Bridge design promotes thermal stability and minimizes vibration.
- Intuitive 5-sided conversational programming requires only one part setup on BX30U.
- The integrated trunnion table on the BX30U provides exceptional part clearances and larger part capacity for 5-sided/5-axis machining.
- 1g acceleration X, Z (.75g on Y)

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Ring
Coolant Screen System
High Pressure CTS
Spindle Coolant Nozzle
Telescopic Way Covers
Top Dome / Hood
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises
Trunnion Tables

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

We chose the closed coupled, fixed bridge design for our high speed machining BX Series to ensure maximum stiffness.

Every design detail promotes rigidity to support high speed machining. We used both vertical and horizontal rails to make the BX machines more rigid.



	BX30		BX30U
X, Y, Z Axis Travel, inches (mm)	30 x 22.7 x 22 (762 x 576 x 559)		30 x 22.7 x 22 (762 x 576 x 559)
Table Size, inches (mm)	22.7 x 37.9 (576 x 962)		Ø 9.8 (Ø 248)
Max Weight on Table / Rotary Table, lbs (kg)	1500 (680)		440 (200)
Max Part Diameter, inches (mm)	N/A		15.75 (400)
Peak Spindle Motor, hp (Kw)	47 (35)		47 (35)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	18k	88 (119) @ 2,800	88 (119) @ 2,800
Rapid Traverse X, Y, Z Axis, inches (M) / min	1,575 (40)		1,575 (40)
Number of Tools Standard	40 HSK 63A		40 HSK 63A
Positioning, inches (mm)	±0.0002 (0.005)		±0.0002 (0.005)
Repeatability, inches (mm)	±0.0001 (0.0025)		±0.0001 (0.0025)
Machine Weight, lbs (Kg)	17,637 (8,000)		18,298 (8,300)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

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VM10
VM20
VM30
VM10 Graphite
VM10P Production



Small footprint. Large work cube.

The VM Series is used at shops of all sizes, but has been particularly popular with small job shops. This mighty machine beats the competition pound for pound and cut for cut.

- The VM Series combines the smallest footprint in the industry with a large work cube.
- The low base price makes the VM Series the most reasonably priced in its class.
- Swing-arm design of the electric ATC stays out of the way during setup and makes the work cube even bigger.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Auger
Chip Conveyor
Coolant Screen System
Coolant Ring
Flood Coolant
Spindle Coolant Nozzle
Telescopic Way Covers
Top Dome
Wash Down Gun and Air Gun

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises
Trunnion Tables

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.



Rigorous attention to detail is standard operating procedure at our wholly owned manufacturing company. Even when designing the breaking resistor, we take care to enclose it in sheet metal instead of just using coils that throw off heat.



VM10 Graphite

- 20k Spindle, 30k option
- Dust Management System



VM10P Production

- Chip-to-chip time of 2.5 seconds
- Rigid tap up to 4,000 rpm
- Chip load: (steel) up to 8 cubic inches per minute (aluminum) up to 12 cubic inches per minute



		VM10	VM20	VM30	VM10 Graphite	VM10P Production
X, Y, Z Axis Travel, inches (mm)		26 x 16 x 20 (660 x 406 x 508)	40 x 20 x 20 (1,016 x 508 x 508)	50 x 20 x 20 (1,270 x 508 x 508)	26 x 16 x 20 (660 x 406 x 508)	26 x 16 x 20 (660 x 406 x 508)
Table Size, inches (mm)		30 x 14 (762 x 356)	46 x 18 (1,168 x 457)	52 x 18 (1,321 x 457)	30 x 14 (762 x 356)	30 x 14 (762 x 356)
Max Weight on Table, lbs (Kg)		750 (340)	1,200 (545)	1,200 (545)	750 (340)	750 (340)
Peak Spindle Motor, hp (Kw)		15 (11)	20 (15)	20 (15)	10 (7.5)	10 (7.5)
Max Spindle Motor Torque ft lbs (Nm) @ rpm	10k	54 (73) @ 1,450	75 (102) @ 1,450	75 (102) @ 1,450	N/A	N/A
	12k	N/A	N/A	N/A	N/A	35 (47) @ 1,500
	20k	N/A	N/A	N/A	2.2 (3) @ 20,000	N/A
	30k	N/A	N/A	N/A	2.2 (3) @ 24,000	N/A
Rapid Traverse X, Y, Z Axis, inches (M / min)		945 (24)	945 (24)	945 (24)	945 (24)	X, Y / Z 1,181 / 945 (30 / 24)
Number of Tools Standard		20 CAT (BT) 40	20 CAT (BT) 40	20 CAT (BT) 40	20 BT 30	20 BT 30
Positioning, inches (mm)		±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)
Repeatability, inches (mm)		±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)
Machine Weight, lbs (Kg)		6,400 (2,903)	9,200 (4,173)	9,500 (4,309)	6,820 (3,093)	6,820 (3,093)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

VM10U
VMX30U
VMX42U
VMX60U
VTXU



Optimize your investment with our integrated trunnion table 5-axis machines.

While some brands simply stick a trunnion table on a 3-axis VMC and call it a 5-axis machine, the Hurco U Series machines are designed to be true 5-axis machines. If you have 5-axis positioning work on complex multi-sided parts where overall accuracy and reduced setup time are critical, you need a Hurco 5-Axis U Series machining center.

- Exceptional part clearances and larger part capacity due to integrated trunnion table design.
- High capacity table rotates faster and handles more weight.
- More standard features than other 5-axis machines.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Ring
Coolant Screen System
High Pressure CTS
Spindle Coolant Nozzle
Telescopic Way Covers
Top Dome / Hood
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises
Trunnion Tables

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

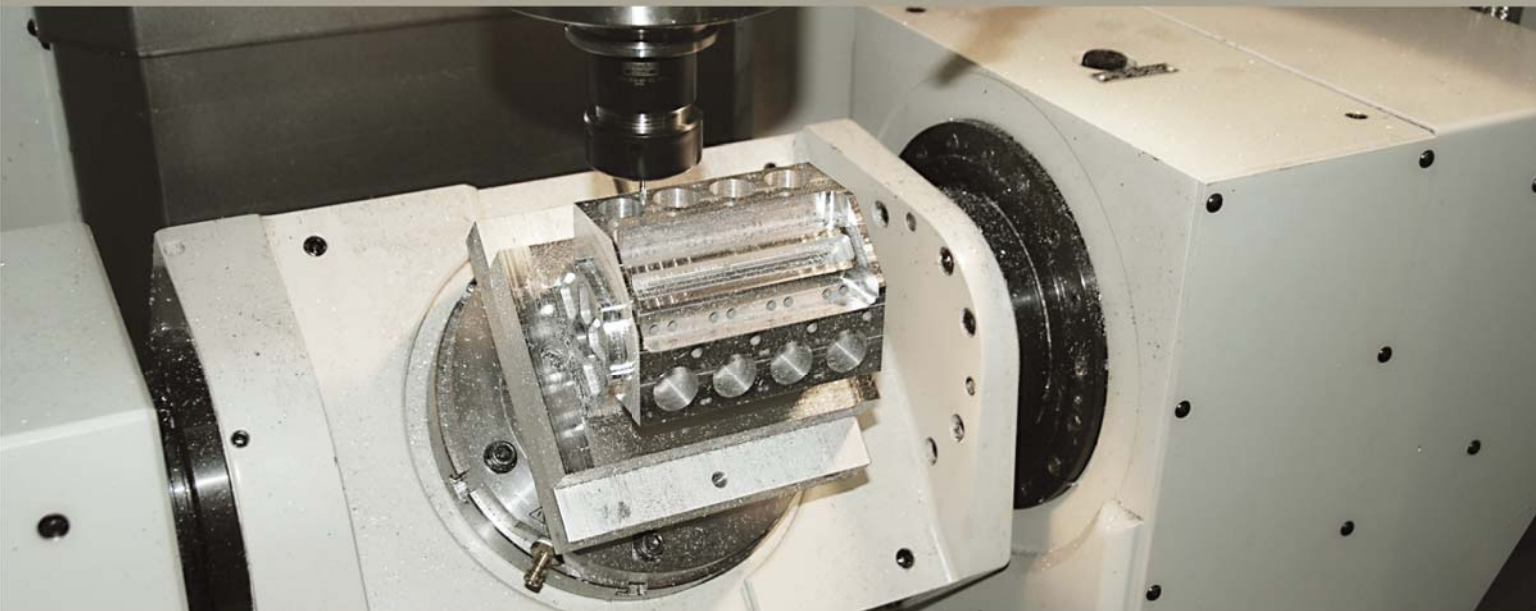
Find more product information and specifications at www.hurco.com.






Machines shown with options. Prices and information may change without notice.

Maximize efficiency with WinMax 5-Axis software features

- **Tool Path Linearization** Promotes smooth surface finish void of looped marks on part.
- **Tool Vector Input** Executes the part program faster because the post-processor doesn't need the machine configuration and the center line of the rotary axes.
- **Transform Part Zero** Saves valuable time with 5-sided machining. Locate just one part zero and the control calculates the other locations for each of the rotary moves.
- **3D Tool Geometry Compensation** Eliminates the need to repost the part program after adjusting the tool diameter for wear.

The VM10U isn't a VM with a trunnion table attached. We started with the efficient design of the VM machining centers and implemented an integrated trunnion table that provides increased clearance in the Z-axis.



					
	VM10U	VMX30U	VMX42U	VMX60U	VTXU
X, Y, Z Axis Travel, inches (mm)	21 x 16 x 19 (533 x 406 x 483)	30 x 20 x 20.5 (762 x 508 x 520)	42 x 24 x 20.5 (1,067 x 610 x 520)	60 x 26 x 20.5 (1,524 x 660 x 520)	31.5 x 27.5 x 20 (800 x 700 x 510)
Table Size, inches (mm)	Ø 7.8 (Ø 198)	Ø 9.8 (Ø 248)	Ø 13.7 (Ø 348)	Ø 19.7 (Ø 500)	Ø 24 x □ 20.9 (Ø 610 x □ 530)
Max Weight on Table, lbs (Kg)	330 (150)	440 (200)	550 (250)	880 (400)	880 (400)
Max Part Diameter, inches (mm)	12.6 (320)	15.75 (400)	18.7 (475)	23.6 (600)	21.7 (550)
Peak Spindle Motor, hp (Kw)	12 (9)	18 (13.4)	24 (18)	24 (18)	24 (18)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	10k	42 (57) @ 1,500	185 (251) @ 500	210 (285) @ 600	N/A
	12k	N/A	158 (214) @ 600	175 (237) @ 720	175 (237) @ 720
	15k	N/A	126 (171) @ 750	140 (190) @ 900	N/A
Rapid Traverse X, Y / Z Axis, inches (M) / min	945 / 945 (24 / 24)	1,378 / 1,181 (35 / 30)	1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)	1,378 / 1,378 (35 / 35)
Number of Tools Standard / Option	20 CAT (BT) 40	24/40 CAT (BT) 40	40 CAT (BT) 40	40 CAT (BT) 40	48/96 CAT (BT) 40
Positioning, inches (mm)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)
Repeatability, inches (mm)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)
Machine Weight, lbs (Kg)	6,550 (2,977)	10,450 (4,740)	14,608 (6,640)	18,800 (8,545)	27,560 (12,525)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

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VMX42SW
VMX60SW
VMX42SR
VMX60SR



Flexible 4-axis or 5-axis machining with SW and SR Series.

You can simplify the setup and production of complex parts without sacrificing precision and accuracy with Hurco 5-axis SR machining centers and the 4-axis SW alternative.

- SW machining centers offer 4-axis functionality utilizing a B axis swivel design (Rotary A or C tables optional).
- SR machining centers tackle complex, multi-sided parts with a swivel head and rotary table design.
- All digital servo drives, larger ball screws, and larger linear rails increase accuracy and deliver superb surface finish.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Ring
Coolant Screen System
High Pressure CTS
Spindle Coolant Nozzle
Telescopic Way Covers
Top Hood
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Tooling and Vises

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

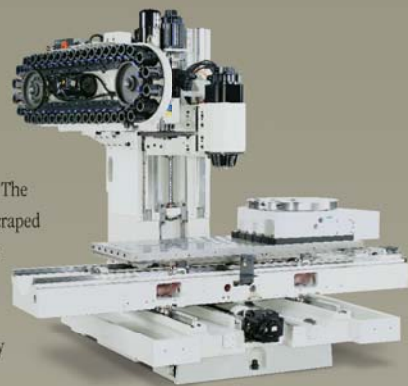
Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

More flexibility means more options

- 5-sided.
- 5-axis contours.
- 5-sided plus 3-axis on fixed table.
- Horizontal with tombstone on C-table.
- Rotary A Table.

Superb frame design and construction are an integral part of accuracy and repeatability for machining centers. We don't cut corners. The frame mounting points are scraped by hand to ensure quality. We also use double-nut pre-tensioned ball screws to increase rigidity and minimize vibration.



4-Axis, Swivel Head



5-Axis, Swivel Head, Rotary Table



	VMX42SW	VMX60SW	VMX42SR	VMX60SR
X, Y, Z Axis Travel, inches (mm)	42 x 24 x 24 (1,067 x 610 x 610)	60 x 26 x 24 (1,524 x 660 x 610)	42 x 24 x 24 (1,067 x 610 x 610)	60 x 26 x 24 (1,524 x 660 x 610)
Table Size, inches (mm)	Optional C or A Table	Optional C or A Table	Ø 24 (610) C-Axis Table	Ø 24 (610) C-Axis Table
Max Weight on Table / Rotary Table, lbs (Kg)	3,000 (1,360)	3,000 (1,360)	1,100 (500)	1,100 (500)
Table Size, inches (mm)	50 x 24 (1,270 x 610)	66 x 26 (1,676 x 660)	50 x 24 (1,270 x 610)	66 x 26 (1,676 x 660)
Peak Spindle Motor, hp (Kw)	48 (36)	48 (36)	48 (36)	48 (36)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	12k 87 (118) @ 2,900	87 (118) @ 2,900	87 (118) @ 2,900	87 (118) @ 2,900
Rapid Traverse X, Y / Z Axis, inches (M) / min	1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)	1,378 / 1,181 (35 / 30)	1,181 / 787 (30 / 20)
Number of Tools Standard	40 CAT (BT) 40	40 CAT (BT) 40	40 CAT (BT) 40	40 CAT (BT) 40
Positioning, inches (mm)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)	±0.0002 (0.005)
Repeatability, inches (mm)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)	±0.0001 (0.0025)
Machine Weight, lbs (Kg)	15,720 (7,145)	19,075 (8,670)	16,640 (7,565)	20,000 (9,090)

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DCX22
DCX32



Introducing the Hurco advantage for large machines.

Shops that produce large parts and molds will benefit from the versatility of the Hurco control. The integrated Hurco control supports NC programming and conversational programming equally well, which gives you more flexibility. Our control technology combined with our stringent design and manufacturing processes, make the DCX machines an excellent investment.

- Meticulous manufacturing practices make the DCX machines rigid and reliable.
- High-grade, cast iron frame tested with dynamic and static Finite Element Analysis.
- Superior to C-frame design when producing larger parts.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Ring
Coolant Screen System
High Pressure CTS
Spindle Coolant Nozzle
Telescopic Way Covers
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Rotary Tables
Tooling and Vises

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
Fully Contained Tool Storage
Linear Glass Scales (X, Y, Z)
Linear Rails
Lube Oil Separator
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

The dual column design provides excellent thermal stability. When making large parts, the dynamic behavior of this machine design is often considered superior over a gantry machine or C-frame machine.



DCX32 has a twin-column, bridge-type construction that allows the large Y-axis travel without loss of rigidity. A 80hp spindle mounted in a vertical ram gives ample cutting power and torque for machining titanium. A 40-station, swing-arm toolchanger keeps the carousel clear of swarf and maximizes the work envelope.



		DCX22		DCX32
X, Y, Z Axis Travel, inches (mm)		86.6 x 66.9 x 29.5 (2,200 x 1,700 x 750)		126 x 82.7 x 36.2 (3,200 x 2,100 x 920)
Table Size, inches (mm)		82.6 x 63 (2,100 x 1,600)		118 x 67 (3,000 x 1,700)
Max Weight on Table, lbs (Kg)		13,200 (6,000)	17,600 (8,000)	24,200 (11,000)
Peak Spindle Motor, hp (Kw)		24 (18)	35 (26)	80 (60)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	6k	N/A	410 (555) @ 458	420 (570) @ 1000
	8k	252 (341) @ 500	N/A	N/A
	10k	210 (285) @ 600	N/A	420 (570) @ 1000
	15k	140 (190) @ 900	N/A	N/A
Rapid Traverse X, Y / Z Axis, inches (M) / min		945 / 945 (24 / 24)	591 / 472 (15 / 12)	591 / 394 (15 / 10)
Number of Tools Standard		40 CAT (BT) 40	40 CAT (BT) 50	40 CAT (BT) 50
Positioning, inches (mm)		±0.0004 (0.010)		±0.0005 (0.013)
Repeatability, inches (mm)		±0.0002 (0.005)		±0.0003 (0.008)
Machine Weight, lbs (Kg)		44,000 (20,000)	45,122 (20,510)	76,870 (34,940)

Optimum machine performance is reliant upon installaton conditions at the facility, such as power supply, air supply, and ambient air conditions.



Zone machining center supports flexible manufacturing.

The Hurco VTXZ can work as a dual work zone machine for continuous production or a single zone machine for long structural parts.

- Control supports single zone and dual zone operation with on-screen mode change.
- Machine design includes two 30" x 26" (762 x 660 mm) work zones that can be converted to one zone that facilitates efficient processing of parts up to 80" (2M).
- Right and left doors lock independently—cut in one zone, setup in the other.
- Equal-sized zones with minimal dead zone volume.
- ATC moves with traveling column.

FEATURES AND OPTIONS

Coolant / Chip Removal

- Chip Conveyor
- Coolant Ring
- Coolant Screen System
- High Pressure CTS
- Spindle Coolant Nozzle
- Telescopic Way Covers
- Wash Down Gun and Air Gun
- Wash Down System

Spindle / Motor

- High Speed Servo Systems
- Low Air Pressure Switch
- Motor Brake in Z-Axis
- Spindle Chiller

Tooling / Accessories

- Part and Tool Probing
- Rotary Tables
- Tooling and Vises

Frame / Cabinet

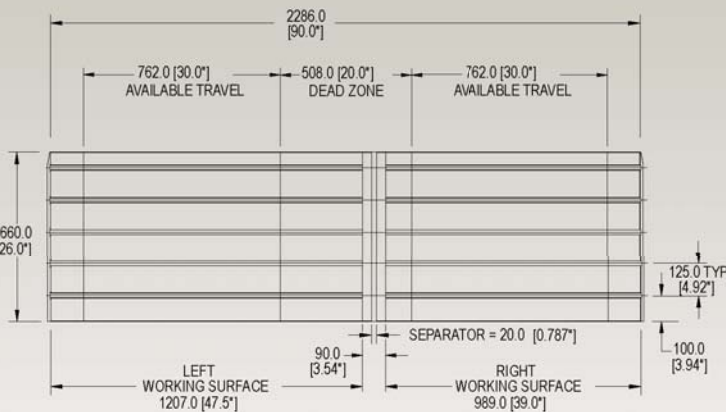
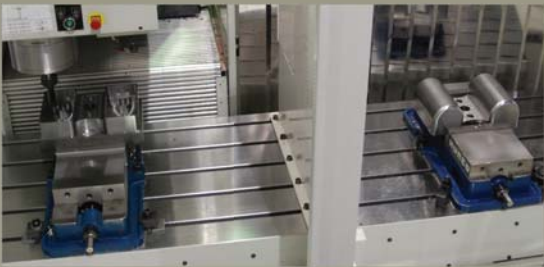
- Air Conditioner
- Door Interlock
- Dual Work Lights
- Easy Access Side Door with Latch
- Fully Contained Tool Storage
- Linear Glass Scales (X, Y, Z)
- Linear Rails
- Lube Oil Separator
- Power Cabinet Heat Exchanger
- Solid One Piece High-Grade Cast Iron Bed

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Machines shown with options. Prices and information may change without notice.

Hundreds of design details have been implemented so the frame, and its construction, support the dual purpose intent of the VTXZ.

The VTXZ supports flexible manufacturing. Shops with a mixed schedule of parts benefit from the ability to adapt the machine to work as one zone for large parts and molds or two separate zones for increased productivity.



VTXZ	
X, Y, Z Axis Travel, inches (mm)	2 @ 30 x 26 x 24 (762 x 660 x 610)
Without partition X, Y, Z Axis Travel, inches (mm)	80 x 26 x 24 (2,032 x 660 x 610)
Table Working Surface, inches (mm)	Left @ 47.5 x 26 (1,207 x 660)
	Right @ 39 x 26 (989 x 660)
	Without partition 90 x 26 (2,286 x 660)
Max Weight on Table, lbs (Kg)	2 @ 3,000 (1,364)
Peak Spindle Motor, hp (Kw)	24 (18)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	12k 175 (237) @ 720
Rapid Traverse X Y, Z Axis, inches (M) / min	1,378 (35)
Number of Tools Standard	40 CAT (BT) 40
Positioning, inches (mm)	±0.0002 (0.005)
Repeatability, inches (mm)	±0.0001 (0.0025)
Machine Weight, bs (Kg)	38,500 (17,500)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

HTX500
HTX630



Efficient machining of complex production parts.

The HTX horizontal machining centers match the performance of many machines that cost twice as much.

- Fast, twin 500 mm pallet system keeps cycle times low.
- Fully integrated 4-Axis capability to efficiently machine complex production parts accurately (full 4th axis rotary table).
- Higher contour machining rates with superior surface finish compared to vertical machining center with similar design.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Ring
Coolant Screen System
High Pressure CTS
Spindle Coolant Nozzle
Telescopic Way Covers
Wash Down Gun and Air Gun
Wash Down System

Spindle / Motor

High Speed Servo Systems
Low Air Pressure Switch
Motor Brake in Z-Axis
Spindle Chiller

Tooling / Accessories

Part and Tool Probing
Tooling
Tombstone

Frame / Cabinet

Air Conditioner
Door Interlock
Dual Work Lights
Easy Access Side Door with Latch
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Linear Glass Scales (X, Y, Z)
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Solid One Piece High-Grade Cast Iron Bed

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Machines shown with options. Prices and information may change without notice.



All Hurco machine tools are ergonomically designed to allow ample room in the work cube for fixturing and part setup.

Our integrated Hurco control with WirMax software is what sets us apart. Our powerful technology coupled with usability design techniques will increase productivity at your business and ultimately help you increase profitability.



	HTX500		HTX630	
X, Y, Z Axis Travel, inches (mm)	28 x 24 x 24 (710 x 610 x 610)		41.3 x 35.4 x 39.4 (1,050 x 900 x 1,000)	
Table Size / Pallet Size, inches (mm)	19.7 x 19.7 (500 x 500)		24.8 x 24.8 (630 x 630)	
Max Weight on Table, lbs (Kg)	1,100 (500)		2,200 (1,000)	
Peak Spindle Motor, hp (Kw)	24 (18)		30 (22.5)	
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	12k	175 (237) @ 720	8k	260 (353) @ 600
Rapid Traverse X, Y, Z Axis, inches (M) / min	1,380 (35)		1,772 (45)	
Number of Tools Standard	60 CAT (BT) 40		60 CAT (BT) 50	
Positioning, inches (mm)	±0.0002 (0.005)		±0.0002 (0.005)	
Repeatability, inches (mm)	±0.0001 (0.0025)		±0.0001 (0.0025)	
Machine Weight, lbs (Kg)	28,650 (13,020)		44,000 (20,000)	

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

Best in Class details make it a Hurco turning center.

■ True slant-bed lathes.

Because our turning centers are true slant-bed lathes, the design results in a much more rigid machine.

■ Massive, robust construction.

Rigid, fine grain, cast iron slant-bed design.

■ All-Digital.

All-digital controls, drives, and motors with absolute encoders on all linear axes promote superb surface finish.

Flexible 12 station turret.

Each station accommodates static or live tooling so there's no need to adapt your tooling to the design of the turret—it adapts to you.

USB Port. (Side)

Oversized spindle bore.
Provides generous bar capacity.

Oversized, hinged
side doors.

Front Access
for chuck and
tailstock pressure.

State-of-the-art spindle system technology.
Reliable. Powerful. Precise. Cartridge design eliminates
maintenance and protects internal bearing system of spindle.

Inside door.

Keeps coolant and chips
inside machine.

Built-in sub-spindle
motor with chiller.

Sloping telescopic way covers.

Designed to keep chips out and to protect
the premium components inside the
machine.

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

• **Signal light.**

You can see what the machine is doing from across the shop. Indicates end of cycle, motion hold, machine fault, and emergency stop.

Pivoting control mount.

Place the control where it is comfortable for you.

Convenient storage.

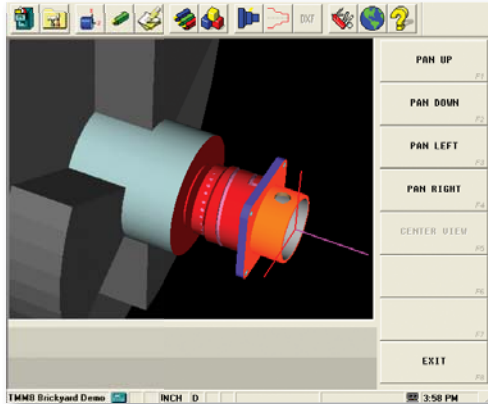
Door folds down to hold prints while programming.

WinMax®

**Slashes setup time.
Increases productivity.**

The Hurco integrated control powered by WinMax continues to push the industry by adding more features that increase productivity so you can increase your profitability. The Advanced Verification Graphics feature with 3D solid rendering lets you program with confidence. Real time rendering and dynamic rotation are especially powerful when using the Hurco multi-tasking turning centers.

The versatility of Hurco technology gives you more control over your shop's processes because it is equally powerful whether you use NC or conversational programming. Our integrated control powered by WinMax® software is truly an investment in the future because it uses the proven Windows platform instead of software schemes found on other machine tools. Because Windows is a popular platform, our control is more likely to be compatible with future technology—which means you won't get stuck with an outdated control.



Designed to fit you.

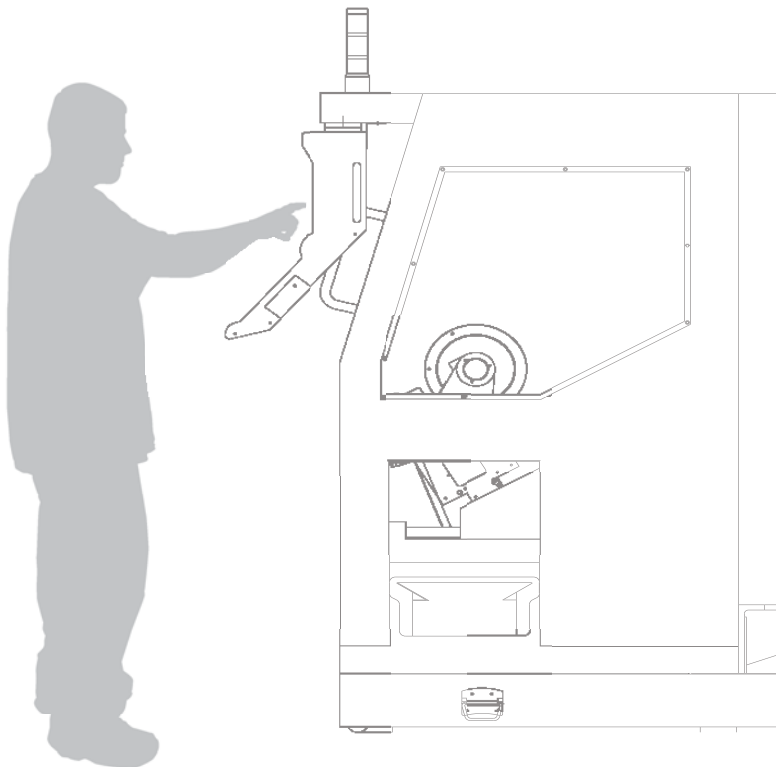
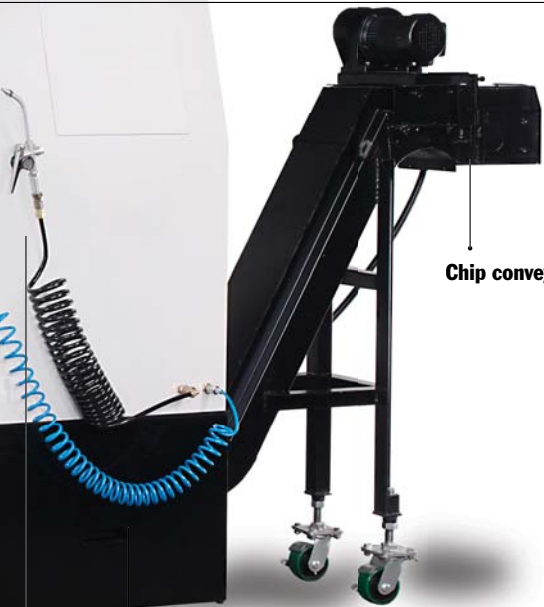
When it comes to machine design, ergonomic features are often an afterthought or overlooked entirely. At Hurco, we take the time to design our products to fit how you work instead of forcing you to fit the design of the machine. You'll notice the benefits of such thoughtful design features—doors with big handles that are easy to open and close; a control console on a pivoting mount for easy adjustment; big buttons with logical labels that are easy to see; and convenient access to chuck and tailstock pressure.

Chip conveyor.

Ergonomic coolant tank design.

Improves chip management and pulls out from the front for easy cleaning and maintenance.

Washdown and air guns.



TMX8
TMX10
TMX8MY
TMX10MY
TMX8MYS
TMX10MYS



More power for the money.

The TMX Series of high performance lathes has increased travels, faster spindle acceleration rates, more horsepower, and faster rapids. Additionally, the programmable tailstock and new plug and play options significantly increase productivity. Invest in the TMX lathe that meets your turning needs and gives you the best return on your investment.

- TMX8.
- TMX10.
- TMX8MY with radial live tooling turret and Y-axis.
- TMX8MYS with radial live tooling turret, Y-axis, and sub-spindle.
- TMX10MY with radial live tooling turret and Y-axis.
- TMX10MYS with radial live tooling turret, Y-axis, and sub-spindle.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
High Pressure Coolant Ready
Telescopic Way Covers
Wash Down Gun and Air Gun
Mist Collector

Spindle / Motor

High Speed Servo Systems
Spindle Chiller

Tooling / Accessories

Bar Feeder
BMT Turret
Collet Chucks
Chuck Air Blast
Chuck Coolant Blast
Part Ejector
Tooling
Tool Setter

Frame / Cabinet

Auto Door, Door Interlock
Easy Access Side Door with Latch
Fully Contained Tool Storage Shelves
Linear Rails
Lube Oil Separator
Parts Conveyor, Parts Catcher
Power Cabinet Air Conditioner
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed
Work Light

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

TM6
TM8
TM10
TM18
TM18L

TMM8
TMM10



Small footprint. Solid design. Affordable price.

The small footprint, large work cube, ergonomic design, chip management system, and affordable price tag of the Hurco CNC slant-bed turning centers make small batch manufacturing profitable.

- The TM Series combines a small footprint with a large work cube.
- More rigid than competitive models.
- Low base price.
- Any station can be a live tool.
- Best in class chip management system.

FEATURES AND OPTIONS

Coolant / Chip Removal

Chip Conveyor
Coolant Screen System
Telescopic Way Covers
Wash Down Gun and Air Gun
Mist Collector

Spindle / Motor

High Speed Servo Systems

Tooling / Accessories

Bar Feeder
Collet Chucks
Chuck Air Blast
High Pressure Coolant Ready
Tooling
Tool Setter

Frame / Cabinet

Door Interlock
Easy Access Side Door with Latch
Linear Rails
Lube Oil Separator
Parts Catcher
Power Cabinet Air Conditioner
Power Cabinet Heat Exchanger
Solid One Piece High-Grade Cast Iron Bed
Work Light

Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

The ultimate in productivity

With the TMX8MYS, you get the optimum return on your investment when it comes to productivity. You not only get the high performance of the TMX slant-bed turning center and motorized live tooling, you get the bonus Y-axis and a programmable sub-spindle with C-axis control. All of this adds up to increased performance, less setups, and less time handling material because you can finish parts on both the front and back side.



Intelligent design and premium components facilitate turning centers that can withstand the stress of hard turning.



Live Tooling

		TMX8	TMX10	TMX8MY	TMX10MY	TMX8MYS	TMX10MYS
X, Z, W, Y Axis Travel, inches (mm)*		8 x 22 x 25 (203 x 560 x 640)	9.15 x 26 x 29.13 (232 x 660 x 740)	8 x 22 x 25 x 4.4 (203 x 560 x 640 x 110)	8.76 x 26 x 29.13 x 4.4 (222.5 x 660 x 740 x 110)	8 x 22 x 25 x 4.4 (203 x 560 x 640 x 110)	8.76 x 26 x 29.13 x 4.4 (222.5 x 660 x 740 x 110)
Swing Over Cross Slide, inches (mm)		16.3 (415)	16.3 (415)	20 (508)	20 (508)	20 (508)	20 (508)
Distance Between Centers, inches (mm)		29.7 (754)	33.6 (854)	29.7 (754)	29.7 (754)	27.3 (693)	32.5 (824.5)
Max Cutting Diameter, inches (mm)		14 (356)	16.3 (415)	13.2 (336)	14.76 (375)	13.2 (336)	14.76 (375)
Max Cutting Length, inches (mm)		21 (535)	25 (635)	20.75 (527)	24.7 (627)	21 (533)	24.7 (627)
Bar Capacity, inches (mm)		2.5 (64)	3 (76.2)	2.5 (64)	3 (76)	2.5 (64)	3 (76)
Peak Spindle Motor, hp (Kw)		37.3 (27.8)	37.3 (27.8)	37.3 (27.8)	37.3 (27.8)	37.3 (27.8)	37.3 (27.8)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	4.5k	178 (241.5) @ 1100	3.5k 258.2 (350) @ 759	178 (241.5) @ 1100	3.5k 258.2 (350) @ 759	178 (241.5) @ 1100	3.5k 258.2 (350) @ 759
Rapid Traverse X / Z Axis, inches (M) / min		945 / 1,181 (24 / 30)	945 / 1,181 (24 / 30)	945 / 1,181 (24 / 30)	945 / 1,181 (24 / 30)	945 / 1,181 (24 / 30)	945 / 1,181 (24 / 30)
Tool Shank, inches (mm)		1 (25) Square	1 (25) Square	1 (25) Square	1 (25) Square	1 (25) Square	1 (25) Square
Number Of Tools Standard		12 / Slotted	12 / Slotted	12 / Radial	12 / Radial	12 / Radial	12 / Radial
3 Jaw Chuck, inches (mm)		8 (203)	10 (254)	8 (203)	10 (254)	8 (203)	10 (254)
Turret Index Time - Adjacent (sec)		0.34 Sec	0.50 Sec	0.34 Sec	0.50 Sec	0.34 Sec	0.50 Sec
Positioning, inches (mm)		0.0004 (0.010)	0.0004 (0.010)	0.0004 (0.010)	0.0004 (0.010)	0.0004 (0.010)	0.0004 (0.010)
Repeatability, inches (mm)		0.0002 (0.005)	0.0002 (0.005)	0.0002 (0.005)	0.0002 (0.005)	0.0002 (0.005)	0.0002 (0.005)
Weight, lbs (Kg)		13,000 (5,900)	13,448 (6,100)	14,550 (6,600)	14,991 (6,800)	14,580 (6,600)	14,991 (6,800)
Sub-spindle	HP, (Kw)			7.3 (5.4)	7.3 (5.4)	7.3 (5.4)	7.3 (5.4)
	Torque, ft lbs (Nm) @ rpm	4k		17 (23) @ 2,250	17 (23) @ 2,250	17 (23) @ 2,250	17 (23) @ 2,250
	Tooling			VDI 40 / DIN 5480 / Radial	VDI 40 / DIN 5480 / Radial	VDI 40 / DIN 5480 / Radial	VDI 40 / DIN 5480 / Radial
	Peak Spindle Motor, hp (Kw)					20 (15)	20 (15)
	Torque, ft lbs (Nm) @ rpm	6k				70.4 (95.5) @ 1,450	70.4 (95.5) @ 1,450
	Chuck Size, inches (mm)					6 (152)	8 (203)
Bar Capacity, inches (mm)						1.25 (32)	1.77 (45)

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.

*W axis = tailstock axis / sub-spindle








Experience the efficiency of multi-tasking

A TMM slant-bed turning center with live tooling is the most efficient solution for small to medium lot sizes of parts that require turning and secondary milling/drilling operations. Save time with one setup and you won't lose accuracy due to refixturing. Many competitive turning centers charge extra for the C-axis, but it is standard on our TMM turning centers. We also use a fast servo turret instead of the slower hydraulic turret to give you the maximum benefit from multi-tasking.



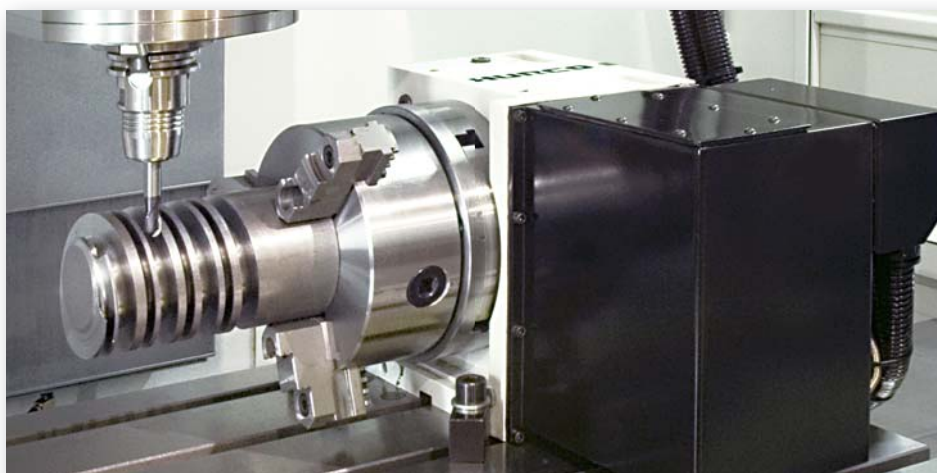
Our TM turning centers are designed and manufactured to make your shop efficient. Unlike Hurco turning centers, many competitive models force you to adapt your tooling to the design of their turret.



<div></div>											Live Tooling			
	TMG		TW8		TM10		TM18		TM18L		TWM8		TMM10	
X, Z Axis Travel, inches (mm)	7 x 14 (178 x 356)		8 x 20 (203 x 508)		9.8 x 29.5 (250 x 750)		17 x 40 (432 x 1,016)		17 x 80 (432 x 2,031)		7.8 x 20(198 x 508)		9.8 x 29.5 (250 x 750)	
Swing Over Cross Slide, inches(mm)	9.4 (240)		11.8(300)		15.8 (402)		25.6(650)		25.6 (650)		11.8 (300)		15.8 (402)	
Distance Between Centers, inches (mm)	15.8 (403)		23 (588)		27.4 (695)		44.7 ,1,136)		84.7 (2,152)		23(588)		27.4 (695)	
Max Cutting Diameter, inches (mm)	12.4 (316)		14 (356)		17.7 (450)		25 (635)		25 (635)		10(256)		11.6 (295)	
Max Cutting Length, inches (mm)	13.4 (340)		19 (483)		28.3 (720)		39.4 ,1,001)		79.4 (2,017)		17.9 (455)		27.6 (700)	
Bar Capacity, inches (mm)	1.77 (45)		2.0(52)		3.0 (78)		6.5(166)		6.5 (166)		2.0 (52)		3.0 (78)	
Peak Spindle Motor, hp (Kw)	17.5 (13)		22(16)		29.7 (22)		53.6 (40)		53.6 (40)		18(13.2)		24 (18)	
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	6k	84 (113) @ 1,090	4.8k	133(180) @ 870	3k	260 (352) @ 600	1.6k	1,252 (1,697) @ 225	1.6k	1,252 (1,697) @ 225	4.8k	258 (350) @ 360	3k	350 (474) @ 360
Rapid Traverse X / Z Axis, inches (M) / min	750 / 945 (19 / 24)		750 / 945 (19 / 24)		750 / 945 (19 / 24)		781 (20)		787 (20)		750 / 945 (19 / 24)		750 / 945 (19 / 24)	
Tool Shank, inches (mm)	3/4 (19) Square		1 (25) Square		1 (25) Square		1.25 (32) Square		1.25 (32) Square		3/4 (19) Square		1 (25) Square	
Number Of Tools Standard	12 / Slotted or VDI		10 / Sloted or VDI		12 / Slotted or VDI		12 / Sloted or VDI		12 / Slotted or VDI		12 / Axial		12 / Axial	
3 Jaw Chuck, inches (mm)	6 (152)		8 (203)		10 (254)						8(203)		10 (254)	
Turret Index Time - Adjacent (sec)	0.5 Sec		0.5 Sec		0.5 Sec		1.5 Sec		1.5 Sec		0.23 Sec		0.31 Sec	
Positioning, inches (mm)	0.0004 (0.010)		0.0004 (0.010)		0.0004 (0.010)		0.0004 (0.010)		0.0004 (0.010)		0.0004 (0.010)		0.0004 (0.010)	
Repeatability, inches (mm)	0.0002 (0.005)		0.0002 (0.005)		0.0002 (0.005)		0.0002 (0.005)		0.0002 (0.005)		0.0002 (0.005)		0.0002 (0.005)	
Weight, lbs (Kg)	7,010 (3,180)		8,700 (3,950)		11,030 (5,000)				30,140 (13,670)		8,828 (4,000)		11,025 (5,000)	
HP, (Kw)											6(4.4)		8.9 (6.6)	
Torque, ft lbs (Nm) @ rpm	5k										21 (28 @ 1,500		31 (42) @ 1,500	
Tooling											VDI 30 / DIN 5480 / Axial		VDI 40 / DIN 5480 / Axial	

Rotary/Tilt Tables
Rotary Tables
Power Tail Supports
Tail Stocks
3 Jaw Scroll Chucks

Instant productivity.



Hurco offers a range of accessories to make sure you can maximize productivity. We only use quality materials and we manufacture each product with the utmost attention to detail. Whether you need a rotary tilt table to add a 4th and 5th axis to your 3-axis machining center or simply need a vice, you can count on Hurco. We carry tail stocks, power tail supports, chucks, rotary tables, rotary tilt tables, vises, and tooling kits.

We design our accessories to achieve maximum productivity and flexibility. For example, Hurco rotary tables include a generous through-hole and the ability to be horizontally or vertically mounted. Other advantages include dual lead worm for increased rigidity; cross roller bearing to provide a compact design, low friction, cooler operating temperatures, and increased rigidity; disc brake for positive clamping and low distortion.

All of the Hurco Rotary Table Kits include the table with motor, electrical harness interface, and cable mounting hardware.



Find more product information and specifications at www.hurco.com.

Machines shown with options. Prices and information may change without notice.

Rotary tables to expand your capabilities.



Rotary/Tilt Tables

Model	Table Diameter inches (mm)	Center Height V inches (mm)	Table Height H inches (mm)	Through Hole Diameter inches (mm)	Overall Dimensions (W, D, H), inches (mm)	Max. RPM	Positioning Accuracy (sec)		Repeatability (sec)		Clamping Force Kg/M, Air Pressure (5Kg/cm ²)		Permissible Load-H (Kg)	Permissible Load-V (Kg)
							Rot.	Tilt	Rot.	Tilt	Rot.	Tilt		
HTT100	4.3 (110)	5.9 (150)	8.15 (207)	1.18 (30)	20.24 x 16.54 x 9.25 (514 x 420 x 235)	22.2 C 11.1 A	30	60	4	-	24	24	35	20
HTT202	7.9 (200)	8.3 (210)	10.63 (270)	1.18 (30)	29.8 x 21.26 x 13.66 (757 x 540 x 347)	22.2 C 11.1 A	25	50	4	-	50	85	100	50



Rotary Tables

Model	Table Diameter inches (mm)	Center Height V inches (mm)	Table Height H inches (mm)	Through Hole Diameter inches (mm)	Overall Dimensions (W, D, H), inches (mm)	Max. RPM	Positioning Accuracy (sec)	Repeatability (sec)	Clamping Force Kg/M, Air Pressure (5Kg/cm ²)	Permissible Load-H (Kg)	Permissible Load-V (Kg)
H160	6.5 (165)	5.5 (140)	7.3 (185)	1.57 (39.8)	16.5, 10.6, 10 (420, 270, 255)	33.3	25	± 2	25.5	160	80
H200	7.9 (200)	5.5 (140)	7.3 (185)	1.57 (39.8)	16.5, 10.6, 10 (420, 270, 255)	33.3	25	± 2	25.5	160	80
H250	9.8 (280)	7.1 (180)	8.7 (220)	2.76 (70)	20.5, 12, 13 (520, 305, 330)	33.3	25	± 2	45.7	300	125
H320	12.6 (320)	8.3 (210)	8.7 (220)	2.76 (70)	20.5, 12, 14.6 (520, 305, 370 ¹)	33.3	25	± 2	45.7	300	125
H400	15.75 (400)	9.84 (250)	9.84 (250)	5.90 (150)	29, 11.81, 18.1 (739, 300, 460)	22.2	15	± 4	184	500	300
H500	19.69 (500)	12.20 (310)	11.42 (290)	7.09 (180)	33, 11.5, 22.4 (837, 290, 570)	16.7	15	± 4	250	600	350
H630	31.5 (800)	15.75 (400)	13.39 (340)	10 (254)	39.5, 112.6, 28.5 (1004, 320, 725)	11.1	15	± 4	700	800	400

¹Note: Overall height and width for H320 extends beyond housing.



Power Tail Supports

Model	Use With Rotary Table	Center Height V inches (mm)	Through Hole Diameter inches (mm)	Overall Dimensions (W, D, H), inches (mm)	Clamping Force Kg/M, Air Pressure (5Kg/cm ²)
HTSA400	H400	9.8 (250)	4.3 (110)	16.5 x 7.68 x 16.5 (420 x 195 x 420)	142
HTSA500	H500	12.2 (310)	4.3 (110)	16.5 x 7.68 x 18.9 (420 x 195 x 480)	142
HTSA630	H630	15.7 (400)	4.3 (110)	19.3 x 10.63 x 23.62 (490 x 270 x 600)	142



Tail Stocks

Model	Center Height V inches (mm)	Overall Dimensions (W, D, H), inches (mm)
HTS160/200	5.51 (140)	5.32 x 10.67 x 7.5 (135 x 271 x 190)
HTS250	7.1 (180)	7.1 x 15.5 x 9.55 (180 x 394 x 242.5)
HTS320	8.27 (210)	7.1 x 15.5 x 10.73 (180 x 394 x 272.5)
HTS400	9.8 (250)	
HTS500	12.2 (310)	
HTS630	15.7 (400)	



3 Jaw Scroll Chucks

Model	OD Clamping Range inches (mm)	ID Clamping Range inches (mm)	Max. RPM	Weight (Kg)
HSC7C	.32 x 7.1 (8 x 180) Dia.	2.44 x 6.69 (62 x 170) Dia.	2000	12.8
HSC9C	.43 x 8.66 (11 x 220) Dia.	2.76 x 8.27 (70 x 210) Dia.	2000	20.4
HSC12C	.59 x 11.8 (15 x 300) Dia.	3.54 x 11.42 (90 x 290) Dia.	1800	39.3

Maximize your machining center with minimal effort.

Hurco offers a one-stop shopping approach, which is attractive when financing a new machine. You can roll all of the accessories into one purchase to get all of the equipment you need to maximize your machining center. In addition to accessories and tooling, Hurco offers financing that simplifies the purchasing process.

Tooling

For general machining applications, Hurco has created a basic kit of high quality durable tool holders.

- Precision ground tapers ensure precise tool seating.
- Each end mill holder taper is ground to a tolerance of AT3 or better.
- Made of high strength alloy steel.



Hurco Tooling Kit (CAT 40)

Description	Quantity
ER-16-4 Collet Holder	1
ER-32-4 Collet Holder	1
ER-16-4 ER Collet Set	One 10 pc. set
ER-32-4 ER Collet Set	One 18 pc. set
End Mill Holder for 1/4" -3" (6.35-76.2 mm)	1
End Mill Holder for 3/8" -3" (9.5-76.2 mm)	1
End Mill Holder for 1/2" - 4.63" (12.7-117.6 mm)	1
End Mill Holder for 5/8" -3.75" (15.9-92.25 mm)	1
End Mill Holder for 3/4" -3" (19-76.2 mm)	1
End Mill Holder for 1" - 4" (25.4-101.6 mm)	1
Shell Mill Holder 1" (25.4 mm) Arbor	1
Keyless Chuck Holder 1/2" (12.7 mm)	1



Hurco Retention Knob Kits (CAT 40 Holders)

Description	Quantity
Non CTS Retention Knobs for CAT-40 Holders	16 pc. set
CTS Retention Knobs for CAT-40 Holders	16 pc. set

Find more product information and specifications at www.hurco.com.

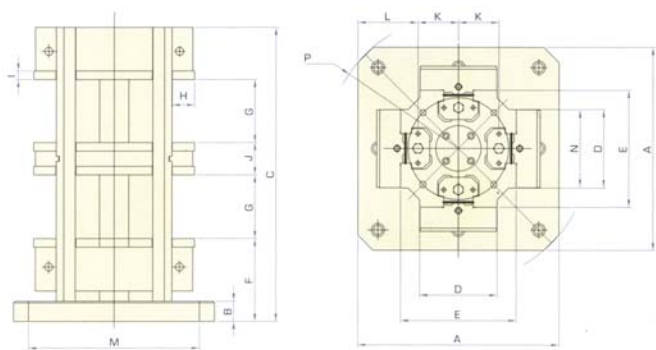
Machines shown with options. Prices and information may change without notice.

Vises / Tombstones

Hurco vises provide versatile material holding options for optimized job planning.

- Anti-lift clamp design prevents lifting of movable jaw.
- Hardened vise bed and jaw plates maintain accuracy.
- Machined surfaces are square and parallel to .001" for accuracy.

Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Weight
Inch	19.69	1.57	22.83	6.06	9.05	4.84	4.92	1.75	0.67	2.52	3.17	6.67	16.5	5.98	24.1	528 lbs.
mm	500	40	580	154	230	123	125	44.5	17	64	80.5	169.5	420	152	625	240 Kg

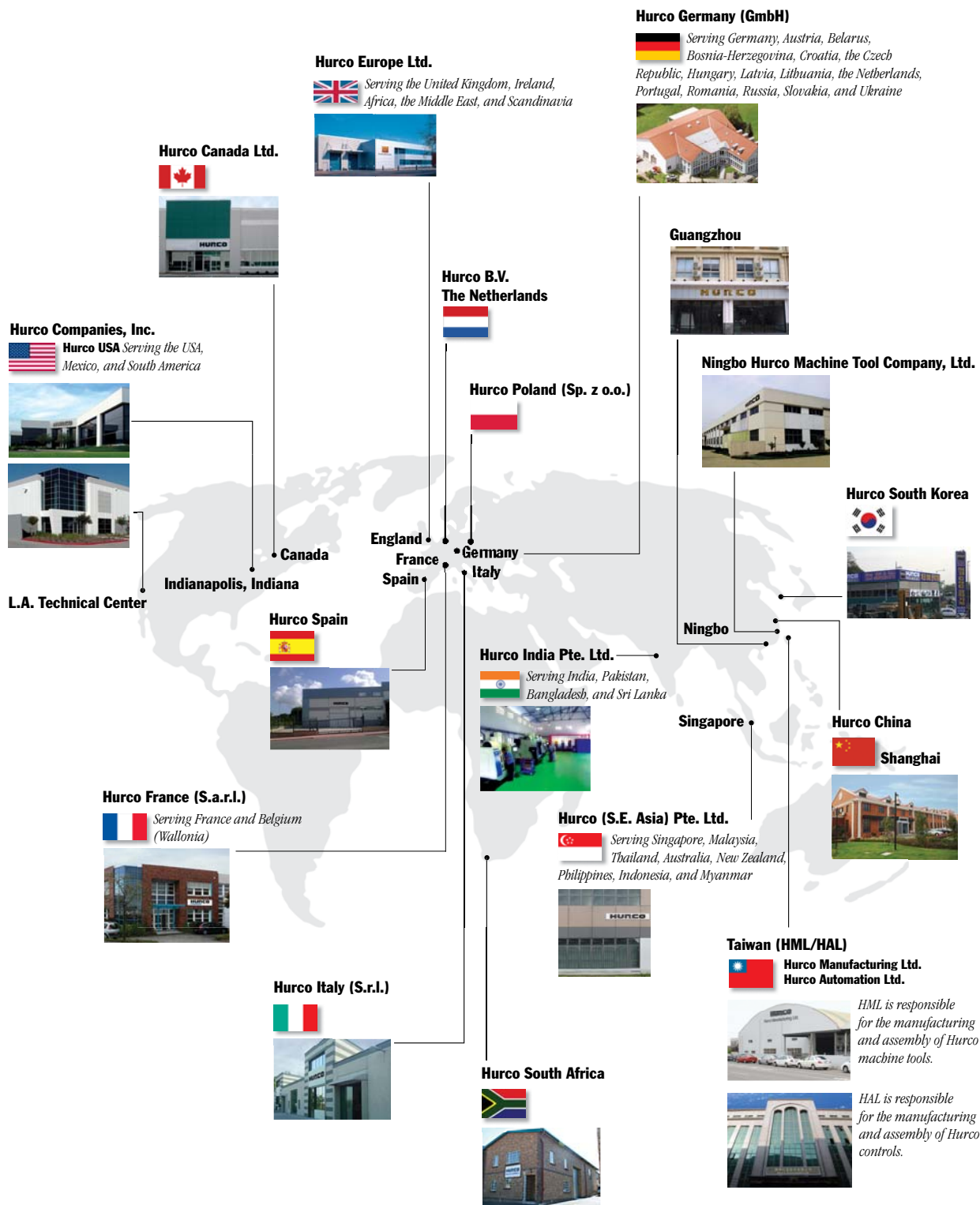


Description	Model	Jaw Size	Opening	Clamping Force
4" Hurco Vise	HV44	4" (102 mm)	4" (102 mm)	6,000 lbs (2,722 Kg)
6" Hurco Vise	HV689	6" (152 mm)	8.9" (226 mm)	11,600 lbs (5,270 Kg)
8" Hurco Vise	HV810	8" (203 mm)	10" (254 mm)	11,600 lbs (5,270 Kg)

Description	Model	Jaw Size	Opening	Clamping Force
Stackable Vise	HVS66	6" (152 mm)	6" (152 mm)	16,000 lbs (7,258 Kg)



Description	Model	Jaw Size	Opening
Hurco Double Clamp	HVDC65	6" (152 mm)	5" (127 mm)



Hurco USA
A Division of Hurco Companies, Inc.
One Technology Way
P.O. Box 68180
Indianapolis, IN 46268-0180

www.hurco.com
800.634.2416

Hurco Canada Ltd.
A Division of Hurco Companies, Inc.
2885 Argentia Road
Unit 5
Mississauga, Ontario L5N 8G6

www.hurco.ca
800.992.7314 905.567.2600

