A CONTROL FOR EVERY GENERATION.
PRODUCT LINE-UP

5-AXIS MACHINING CENTERS
- VC500i
- VCX600i
- VM10Ui / VM10UHSi
- VMX30Ui
- VMX30UHSi

VERTICAL MACHINING CENTERS
- HTM30i
- VM5i / VM10i / VM10HSi
- VM20i / VM30i
- VMX24i / VMX24Di
- VMX30i / VMX30Di / VMX30HSi

DOUBLE COLUMN & HORIZONTAL
- BX40Ui
- BX40i / BX50i / BX60i
- HM1700i / HM1700Ri
- HBMX55i / HBMX80i

TURNING CENTERS
- HTL8-60i / HTL10-60i / HTL12-40i
- TM6i
- TM8i / TM10i
- TM12i
- TM18i
For over 50 years, Hurco has been empowering machinists of every generation with cutting-edge control technology that’s easy to learn and easy to use. See which one of our 65+ models of CNC machines is right for you—rigid and reliable CNC machines equipped with the control that makes shops more productive and more profitable.
HM1700i

With fast rapids, large work cube, and unique frame design, complex production parts can be machined efficiently and accurately

Machine Overview

» 67 x 51 x 35 in (1,700 x 1,00 x 900 mm) travels
» 67 x 36 in (1,700 x 914 mm) table, 6,614 lbs (3,000 kg) capacity
» 35.4 HP (26.4 kW) peak spindle
» Heavily ribbed fine-grade cast iron frame optimized with Finite Element Analysis (FEA)
» Linear roller guideways on X/Y/Z axes
» 8,000 RPM motorized, liquid cooled spindle
» 1,181 IPM Rapid Traverse Rates X/Z Axis, 787 IPM on Y
» 30 station ATC (60 station optional)
» 3.7 Second tool-to-tool ATC time
» Full enclosure with large access doors on front and side of machine
» Washdown and air gun assembly
» Metal telescopic way covers
» WinMax Mill Conversational and Industry Standard NC programming
» Ergonomically designed MAX5 console with 19” LCD screen
» Robust control specifications (standard) – 2.7GHz Dual Core Processor, 4GB RAM Memory, 128GB Solid State Hard Drive

Did you know? The Hurco control provides customers with the flexibility to use the programming method that makes the most sense for their particular job or situation: conversational, NC (G-code), or merging both methods with the NC/Conversational Merge feature. Whether you’re using a napkin sketch, a blueprint, electronic file, or programming with an offline CAD/CAM system, WinMax will get the job done faster! Find out more at Hurco.com/WinMax.
POWER & CAPACITY

HM1700i

OPERATING DIMENSIONS

INTERIOR CLEARANCES

PALLET SPECIFICATION

POWER & TORQUE
Machine Overview

» 67 x 51 x 35 in (1,700 x 1,000 x 900 mm) travels
» 67 x 36 in (1,700 x 914 mm) table, 6,614 lbs (3,000 kg) capacity
» Direct drive B-axis table (torque table)
» 35.4 HP (26.4 kW) peak spindle
» Heavily ribbed fine-grade cast iron frame optimized with Finite Element Analysis (FEA)
» Linear roller guideways on X/Y/Z axes
» 8,000 RPM motorized, liquid cooled spindle
» 1,181 IPM Rapid Traverse Rates X/Z Axis, 787 IPM on Y
» 30 station ATC (60 station optional)
» 3.7 Second tool-to-tool ATC time
» Full enclosure with large access doors in front and side of machine
» Washdown and air gun assembly
» Metal telescopic way covers
» WinMax Mill Conversational and Industry Standard NC programming
» Ergonomically designed MAX5 console with 19” LCD screen
» Robust control specifications (standard) – 2.7GHz Dual Core Processor, 4GB RAM Memory, 128GB Solid State Hard Drive

Did you know? All Hurco Horizontal machines are equipped with UltiMotion technology (invented by Hurco), which simultaneously reduces cycle time (by up to 30% or more) and improves surface finish quality. Exclusive motion control only available from Hurco.

To learn more, visit Hurco.com/UltiMotion.

Machine specifications can be found on Page 21
HBMX55i

Horizontal boring mill with a large work envelope and small footprint

Machine Overview
- 55.1 x 54.7 x 43.3 in (1,400 x 1,390 x 1,100 mm) travels
- 44.1 x 49.2 in (1,120 x 1,250 mm) table, 8,819 lbs (4,000 kg) capacity
- 2,500 (high gear) 454 (low gear) RPM Spindle
- 40.2 HP (30 kW) peak spindle
- 50T with 60 station automatic swing-arm ATC
- Brushless AC Servos
- WinMax Mill Conversational or NC programming
- Solid cast iron frame
- Box way construction
- 19.7 in (500 mm) travel for W-axis
- 4.3 in (110 mm) quill spindle
- Full contouring B-Axis
- MAX5 ergonomically designed console with two 19" LCD screens
- Robust control specifications (standard) – 2.7GHz Dual Core Processor, 4GB RAM Memory, 128GB Solid State Hard Drive, 10,000 block lookahead

BONUS: Equipped with patented UltiMotion technology. Invented by Hurco. Simultaneously reduce cycle time by up to 30% (or more) and improve surface finish quality with UltiMotion. Exclusive technology only available on Hurco mills.

Machine specifications can be found on Page 21
Did you know? The 3D Import feature on the Hurco control creates Transform Planes automatically for easy three-axis, four and five-sided conversational programming. No need to enter feature dimensions—simply click and cut. Plus, integrated CAD/CAM and tool path simulation. Find out more at Hurco.com/3DImport.

Machine Overview

» 79 x 71 x 67 in (2,000 x 1,780 x 1,700 mm) travels
» 57 x 63 in (1,440 x 1,600 mm) table, 13,860 lbs (6,300 kg) capacity
» 2,500 (high gear) 454 (low gear) RPM Spindle
» 40.2 HP (30 kW) peak spindle
» 50T with 60 station automatic swing-arm ATC
» Brushless AC Servos
» WinMax Mill Conversational or NC programming
» Solid cast iron frame
» Box way construction
» Double-nut pretensioned ball screws
» 19.7 in (500 mm) travel for W-axis
» 4.3 in (110 mm) quill spindle
» Full contouring B-Axis
» MAX5 ergonomically designed console with two 19” LCD screens
» Robust control specifications (standard) –
  2.7GHz Dual Core Processor, 4GB RAM Memory,
  128GB Solid State Hard Drive, 10,000 block lookahead

Machine specifications can be found on Page 21
POWER & CAPACITY

HBMX80i

INTERIOR CLEARANCES

OPERATING DIMENSIONS

POWER & TORQUE

PALLET SPECIFICATION
HBMX120i

Horizontal boring mill that includes the features you need for typical applications instead of requiring them as options

Machine Overview

» 118.1 x 70.1 x 66.9 x 19.7 in (3,000 x 1,780 x 1,650 x 500 mm) travels
» 56.7 x 63 in (1,440 x 1,600 mm) table, 13,889 lbs (6,300 kg) capacity
» 2,500 (high gear) 454 (low gear) RPM Spindle
» 40.2 HP (30 kW) peak spindle
» Heavily Ribbed Fine-Grade Cast Iron Frame Optimized with Finite Element Analysis (FEA)
» Box Ways for X,Y, Z Axes
» Direct Drive for X,Y, Z Axes
» Yaskawa Sigma V Digital AC Servos
» Electric Swing-arm 60 Station ATC – Random Access
» Brushless AC Servos
» WinMax Mill Conversational or NC programming
» Solid cast iron frame
» Box way construction
» Double-nut pretensioned ball screws
» 19.7 in (500 mm) travel for W-axis
» 4.3 in (110 mm) quill spindle
» Full contouring B-Axis
» MAXS ergonomically designed console with two 19” LCD screens
» Robust control specifications (standard) – 2.7GHz Dual Core Processor, 4GB RAM Memory, 128GB Solid State Hard Drive, 10,000 block lookahead

Did you know? The easy to use NC editor on the Hurco WinMax control is powerful, useful, and customizable. It has powerful search functions, search and replace, and also displays the meaning of any G-code that is highlighted in the editor.

Find out more at Hurco.com/WinMax.
Designed and built for machinists.

The MAX5 Hurco control is the epitome of user-centric design. Based on the feedback from customers who participated in multiple usability tests of the initial MAX5 console design, we made more than 80 improvements. The ergonomic design of the MAX5 combined with its industry-leading technical specifications maximize productivity, which ultimately helps our customers increase their profit margins.

Industry-Leading Control Specifications (Standard)

- 4GB RAM Memory
- 2.7 GHz Dual Core Processor
- 128GB Solid State Hard drive
- Up to 4,000 bps Processing Speed
- Up to 10,000 block look ahead

» Override knobs with convenient one-press presets
» Buttons designed with tactile cues for enhanced usability
» Adjustable-angle keypad
» Adjustable height control arm
» Flip-Out hook for hanging air nozzles + other tools
» Retractable QWERTY keyboard with trackball
» 19-inch touch screen LCD with customizable view options.

Full graphics screen

Large DRO with mini graphics

Large graphics with mini DRO

» Webcam

» Additional coolant + air controls

» Dual USB ports

» Remote jog with LCD Digital Read Out lets you store data from the pendant

» Modes such as part setup + tool setup are available from jog units with LCD option

» Integrated flashlight

» Magnetic feet

» Flashlight toggle button

» Wireless remote jog unit option
WINMAX® CONTROL

Our control. Your expertise.

The integrated Hurco control powered by WinMax® is the most flexible and intuitive control in the industry. WinMax offers processing power and an intuitive graphical user interface that supports multiple machining strategies. Hurco Conversational Programming is the gold standard in the industry, and NC Programming includes many high-end features.

Go from print to part faster.

» Conversational programming simplifies complex operations. Easy to learn. Intuitive, user-friendly interface.

» NC with ISO/EIA support means you don’t have to change a thing. Our control can do everything you’re doing now and it has the processing speed and memory you need for NC.

» NC/Conversational Merge This Hurco feature combines the best of Industry Standard NC and Conversational. NC/Conversational Merge makes it easy to apply conversational features, such as pattern operations, scaling, tool probing, part probing, and unlimited work offsets, to existing NC programs. Patterns include loop rotate, loop translate, loop linear, loop angular, pattern locations, scale, and mirror image.

CONVERSATIONAL PROGRAMMING

HURCO’S WINMAX® CONVERSATIONAL PROGRAMMING METHOD GETS YOU FROM PRINT TO PART QUICKLY BY STEPPING YOU THROUGH THE PROCESS VISUALLY. IT’S AS EASY AS 1-2-3. SETUP. PROGRAM. VERIFY.

PRINT TO PART FASTER

NO MATTER WHICH TYPE OF PROGRAMMING YOU CHOOSE, THE HURCO CONTROL IS THE FLEXIBLE & FASTEST WAY TO GO FROM PRINT TO PART IN THE INDUSTRY.

NC/G-CODE PROGRAMMING

HURCO’S WINMAX® CONTROL SOFTWARE HAS AN ENHANCED NC INTERPRETER WHICH INCREASES CAD/CAM COMPATIBILITY. GRAPHICALLY VERIFY PROGRAMS ON THE CONTROL & EASILY SEE WHICH CODES ARE BEING PROCESSED.

HURCO MACHINED PART
mind over metal™

YOUR EXPERTISE COMBINED WITH OUR CONTROL TO PRODUCE QUALITY PARTS.

ON-CONTROL EDITOR

POST CODE FROM CAD/CAM SYSTEM & STORE TO OUR CONTROL VIA USB OR ETHERNET.

UPLOAD YOUR EXISTING PROGRAMS, SUCH AS FANUC®, & RUN THEM WITH LITTLE OR NO EDITING.

WINMAX DESKTOP

INSTALL A COPY OF OUR CONTROL SOFTWARE ON YOUR DESKTOP TO PROGRAM REMOTELY.

INPUT EXACT DIMENSIONS & SPECS FROM A PART PRINT TO START MACHINING WITH EASE.

INPUT DIMENSIONS & SPECS FROM A SKETCH THEN REFINE WITH OUR CONTROL.

3D FILE

OUR CONTROL GENERATES TOOL PATHS FROM A 3D DWF OR SOLID MODEL FILE TO ALLOW MACHINING ALMOST INSTANTLY.

WINMAX DESKTOP

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WINMAX® Software / Features

**Latest Features**
- 3D Import
- 3D DXF
- AdapPath™
- Customizable View Options
- Dynamic Variable Look Ahead capable of up to 10,000 blocks (with UltiMotion®)
- DXF Scaling
- Fast Draw Graphics Engine
- Font Magnification
- Job List
- Mill Frame with Enhanced Corner Geometry
- Multiple Options to Store Tool
- NC Work Offsets with Conversational Programming
- Probing Results
- Relative Position DRO
- Roughing Stock Allowance
- Stick Lettering
- Tool Life Management
- TrueType® Fonts Along a Contour
- User Assigned Tool Pockets
- WinMax Desktop Complete

**Programming**
- 4th Axis Rotary Wrap
- 99 Work Offsets (NC)
- 99 Tool Offsets (NC)
- AutoCalc
- Autosave
- Blend Arcs
- Canned Cycle Blocks
- Chamfers
- Comment Block
- Concurrent Programming
- Context Sensitive Help
- Drill/Dwell Cycles (Chip Break + Peck)
- Drilling and Boring with Inserted Drill
- DXF Transfer
- Frame Mill
- Helical Interpolation
- Hole Operations – Tap, Drill, Center Drill, Dwell and Ream
- Inch/Metric Programming
- Indexer Routine
- Industry Standard NC (ISNC)
- Language Toggle
- Lines & Arcs
- Linear Repeat
- Mirror Image
- M-Code Auxiliary Functions
- NC/Conversational Merge
- NC Editor
- NC Macro Package (NCMP)
- NC Probing Cycles
- NC Productivity Package (NCPP)
- Pattern (Scaling, Rotation, Translation)
- On-screen User Prompt
- Optional Stop
- Parts Counter
- Part Zero Shift
- Peck Mill
- Program Manager Functions
- Program Parameters
- Program Review with Cut/Copy/Paste
- Programmable Safety Zones
- Rectangular Repeat
- Rigid Tap
- Roughing Stock Allowance
- Select Surface Finish Quality (SFQ)
- Serial Number (Letter & Part Serialization)
- Slots
- Speed and Feed Edit while Running
- Swept Surface with 3D Mold
- Thread Milling
- Tool Setup and Review with Graphics
- Tool & Material Library
- Tool Change Optimization
- TrueType® Lettering Package
- UltiPocket with Helical Ramp Entry
- Unlimited Work Offsets (Conversational)

**Verification**
- 3D Solid Rendering
- Automatic Error Check
- Advanced Verification Graphics with Data Block Search
- Graphics Display (Tool Path, Solids, Projection in 3 Planes, Isometric)
- Graphics Error Verification
- Graphics Scaling
- Graphics Zoom
- Real Time Tool Simulation
- Wire frame graphics of part geometry with zoom. Includes error verification

**Operational**
- 128GB Solid State Hard Drive
- 2.7 Ghz Dual Core Processor
- 4GB RAM Memory
- Auto Interrupt Cycle
- Automatic Tool Home
- Control and Machine Diagnostics
- Coolant Select (Dual)
- Distance To Go
- Estimated Run Time
- Feed Hold Button
- Feedrate Override
- Inch/Metric Toggle
- Programmable Feedrate
- Spindle Load Monitor
- UltiMonitor®
- UltiMotion®

**5-Axis**
- 3D Tool Compensation
- Automatic Safe Repositioning
- Rotary Axes Centerline Probing
- Shortest Angular Traverse
- Tool Center Point Management
- Tool Path Linearization
- Transform Plane
- Tool Vector Canned Cycles
- Tool Vector Input & Retract
- Universal Rotary

**Lathe**
- Auto Tool Nose Radius Compensation
- Bar Feed Cycle Blocks
- Bar Puller Data Block
- Constant Surface Speed, Selectable
- Cutoff Cycle Blocks
- Diameter/Radius Programming Modes
- Drill Tip Compensation
- Grooving Cycle- chamfer, radius, or square corners with ability to taper the groove walls from the on-screen menu
- ID/OD Profile Turning with face, turn, taper, arc with blend arcs or chamfers between elements
- Internal/External Chucking
- Lead-in and out angles, multi-start, constant or decreasing depth of cut.
- Thread Cycle Blocks – inside or outside(straight or tapered)
- Thread Repair
- Turret Index Control (Auto/Manual)
- Spindle Harmonic Control

**New Feature:**
3D Import with 3D DXF Technology
Hurco's 3D import feature includes 3D DXF technology that now displays all CAD geometry, including splines and Z-depths.
- No need to enter feature dimensions – simply click and cut
- Transform Planes created automatically for easy 5-sided conversational programming – no data entry required
Productivity Options

Rotary Tables 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; and disc brake for positive clamping and low distortion.

Coolant Through the Spindle (CTS) Hurco’s CTS has two times the flow rate (measured in gallons per minute) than the competition. If you’re doing deep hole drilling, CTS will pay for itself quickly with increased productivity and extended tool life. CTS is also recommended for pocket milling because you can cut faster and your tools last longer. Additionally, CTS provides cooling to fight heat dissipation, which helps to preserve accuracy. Hurco offers 300 and 1,000 psi CTS options.

Thermal Stabilization Package Our spindle oil chiller is thermostatically controlled to ward against spindle head growth. It is the most efficient way to preserve spindle life and preserve accuracy.

Part Probing Hurco offers a Conversational Part Probing package with fully-featured conversational data blocks that allow you to execute hands-free part and inspection probing, and full support of Renishaw® part probing (see page 45 for more information).

Tool Probing Hurco has two compact, yet robust, tool setting probe packages for accurate measurement of tool length and diameter in a free spindle state or in rotation. The basic package uses a stylus touch application and the non-contact package uses a laser beam non-contact application, and full support of Renishaw® tool probing (see page 45 for more information).
Why spend 30 minutes aligning your part to the machine when you can align the machine to the part in just 30 seconds with Hurco Conversational Probing?

If you don’t have Hurco conversational probing, this is an example of the NC Macros you will need to navigate. Difficult to look at, not to mention time consuming, since you have to enter all kinds of information to make the macro program useful.

This is the Hurco MAX5 screen that shows all the probing cycles available: Edge, Hole or Circle Pocket, Cylinder, Rectangular Pocket Inside, Rectangular Solid Outside, Plane Intersection, Slot Inside, Web Outside.

**Machinist’s Favorite: Hurco Skew Probe Cycles**

Part Skew Probe Cycles allow the operator to probe a part for skew, which eliminates the need to indicate large parts straight before running the program. The Skew cycle will “skew” the program to match the skewed angle of the part on the table.

List of Skew Cycles: Edge, Hole or Circle Pocket, Cylinder, Rectangular Pocket Inside, Rectangular Solid Outside, Two Point Edge.
<table>
<thead>
<tr>
<th>STANDARD &amp; OPTIONAL ITEMS</th>
<th>HM1700i</th>
<th>HM1700Ri</th>
<th>HBMX55i</th>
<th>HBMX80i</th>
<th>HBMX120i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual wound AC spindle motor</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
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<tr>
<td>Geared, liquid cooled spindle</td>
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<tr>
<td>Spindle thermal chiller</td>
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<tr>
<td>Spindle air purge and blast</td>
<td>S</td>
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<tr>
<td>Advanced motion control with AC brushless servos</td>
<td>S</td>
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<tr>
<td>Remote jog</td>
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<tr>
<td>Fine grain, all cast frame designed with FEA</td>
<td>S</td>
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<tr>
<td>Oversized linear guideways</td>
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<tr>
<td>Hardened box ways</td>
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<tr>
<td>Double-nut pretensioned ball screws</td>
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<tr>
<td>Linear glass scales X, Y, Z</td>
<td>O</td>
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<tr>
<td>Automatic central lubrication system</td>
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<tr>
<td>Way lube separation system</td>
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<td>ANSI door interlock (B11.23)</td>
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<tr>
<td>Automatic swing-arm tool changer</td>
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<tr>
<td>Expanded station tool changer</td>
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<tr>
<td>BT tool changer conversion</td>
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<tr>
<td>Lift-up chip conveyor</td>
<td>S</td>
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<tr>
<td>Enclosure wash down system</td>
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<tr>
<td>Wash down &amp; air gun</td>
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<tr>
<td>Flood coolant system</td>
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<tr>
<td>Coolant thru spindle</td>
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<tr>
<td>LED work light(s)</td>
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<td>Power cabinet heat exchanger</td>
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<tr>
<td>Control cabinet air conditioner</td>
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<tr>
<td>Renishaw part probing</td>
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<tr>
<td>Renishaw tool probing</td>
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<tr>
<td>Extended parts warranty</td>
<td>O</td>
<td>O</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

S = Standard | O = Option | — = Not Applicable

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## SPECIFICATIONS

<table>
<thead>
<tr>
<th>HM1700i</th>
<th>HM1700iRi</th>
<th>HBMX55i</th>
<th>HBMX80i</th>
<th>HBMX120i</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAPACITY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table size</td>
<td>67 x 36 in (1,700 x 914 mm)</td>
<td>65 x 33 in (1,650 x 840 mm)</td>
<td>44.1 x 49.2 in (1,120 x 1,250 mm)</td>
<td>56.7 x 63 in (1,440 x 1,600 mm)</td>
</tr>
<tr>
<td>Maximum weight on machine table</td>
<td>6,614 lbs (3,000 kg)</td>
<td>4,410 lbs (2,000 kg)</td>
<td>8,819 lbs (4,000 kg)</td>
<td>13,889 lbs (6,299 kg)</td>
</tr>
<tr>
<td>Spindle nose to table min / max</td>
<td>8 in (203 mm) / 43.4 in (1,102 mm)</td>
<td>8 in (203 mm) / 43.4 in (1,102 mm)</td>
<td>28.3 (720 mm) / 71.7 in (1,820 mm)</td>
<td>22.8 in (579 mm) to 89.8 in (2,280 mm)</td>
</tr>
<tr>
<td>Table t-slots</td>
<td>7 (177 mm) x .7 in (17 mm) on 4.92 in (124 mm) centers</td>
<td>7 (177 mm) x .7 in (17 mm) on 4.92 in (124 mm) centers</td>
<td>7 (177 mm) x 0.9 in (22 mm) on 6.3 in (160 mm) centers</td>
<td>9 (228 mm) x 0.9 in (22 mm) on 6.3 in (160 mm) centers</td>
</tr>
<tr>
<td><strong>TRAVEL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X-axis</td>
<td>67 in (1,700 mm)</td>
<td>67 in (1,700 mm)</td>
<td>55.1 in (1,400 mm)</td>
<td>78.7 in (1,998 mm)</td>
</tr>
<tr>
<td>Y-axis</td>
<td>51 in (1,300 mm)</td>
<td>47 in (1,200 mm)</td>
<td>54.7 in (1,389 mm)</td>
<td>70.1 in (1,780 mm)</td>
</tr>
<tr>
<td>Z-axis</td>
<td>35 in (900 mm)</td>
<td>35 in (900 mm)</td>
<td>43.3 in (1,099 mm)</td>
<td>66.9 in (1,699 mm)</td>
</tr>
<tr>
<td>B-axis</td>
<td>Continuous</td>
<td>Continuous</td>
<td>Continuous</td>
<td>Continuous</td>
</tr>
<tr>
<td>W-axis</td>
<td>—</td>
<td>—</td>
<td>4.3 in (109 mm) diameter / 19.7 in (500 mm) stroke</td>
<td>4.3 in (109 mm) diameter / 19.7 in (500 mm) stroke</td>
</tr>
<tr>
<td><strong>SPINDLE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum spindle speed / tool type</td>
<td>8,000 rpm / CAT 50</td>
<td>8,000 rpm / CAT 50</td>
<td>8-454 rpm low gear / 8-2,500 rpm high gear / CAT 50</td>
<td>8-454 rpm low gear / 8-2,500 rpm high gear / CAT 50</td>
</tr>
<tr>
<td>Spindle power (peak)</td>
<td>35.4 hp (26.4 kW) @ 625 rpm</td>
<td>35.4 hp (26.4 kW) @ 625 rpm</td>
<td>40.2 hp (29.9 kW) @ 695.5 rpm</td>
<td>40.2 hp (29.9 kW) @ 695.5 rpm</td>
</tr>
<tr>
<td>Spindle torque (peak)</td>
<td>298 ft-lbs (403 Nm)</td>
<td>298 ft-lbs (403 Nm)</td>
<td>1,106.3 ft-lbs (1,499 Nm) low gear / 303.9 ft-lbs (412 Nm) high gear</td>
<td>1,106.3 ft-lbs (1,499 Nm) low gear / 303.9 ft-lbs (412 Nm) high gear</td>
</tr>
<tr>
<td><strong>ATC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tool capacity / (optional)</td>
<td>30</td>
<td>30</td>
<td>60</td>
<td>60 (90 optional)</td>
</tr>
<tr>
<td>Maximum tool diameter</td>
<td>4.7 in (120 mm)</td>
<td>4.7 in (120 mm)</td>
<td>4.7 in (120 mm)</td>
<td>4.7 in (120 mm)</td>
</tr>
<tr>
<td>Maximum tool length</td>
<td>11.8 in (300 mm)</td>
<td>11.8 in (300 mm)</td>
<td>15.7 in (398 mm)</td>
<td>15.7 in (398 mm)</td>
</tr>
<tr>
<td>Maximum tool weight</td>
<td>44 lbs (20 kg)</td>
<td>44 lbs (20 kg)</td>
<td>55.1 lbs (25 kg)</td>
<td>55.1 lbs (25 kg)</td>
</tr>
<tr>
<td>Tool to tool ATC time</td>
<td>3.7 sec</td>
<td>3.7 sec</td>
<td>15 sec</td>
<td>15 sec</td>
</tr>
<tr>
<td><strong>FEEDRATE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rapid Traverse XYZ per minute</td>
<td>XZ = 1.81 in (30 m)</td>
<td>XZ = 1.81 in (30 m)</td>
<td>XYZ = 393.7 in (10 m)</td>
<td>XYZ = 393.7 in (10 m)</td>
</tr>
<tr>
<td>Prog. feedrate per minute</td>
<td>787 in (20 m) unlimited*</td>
<td>787 in (20 m) unlimited*</td>
<td>393.7 in (10 m)</td>
<td>393.7 in (10 m)</td>
</tr>
<tr>
<td>B-axis maximum rpm</td>
<td>50 rpm</td>
<td>50 rpm</td>
<td>1 rpm</td>
<td>1 rpm</td>
</tr>
<tr>
<td>W-axis per minute</td>
<td>—</td>
<td>—</td>
<td>157.5 in (4 m)</td>
<td>157.5 in (4 m)</td>
</tr>
<tr>
<td><strong>SIZE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required floor space</td>
<td>237.6 x 179 in (6,036 x 4,548 mm)</td>
<td>237.6 x 179 in (6,036 x 4,548 mm)</td>
<td>220.4 x 207 in (5,598 x 5,265 mm)</td>
<td>256.2 x 209 in (6,507 x 5,311 mm)</td>
</tr>
<tr>
<td>Machine height</td>
<td>141 in (3,584 mm)</td>
<td>141 in (3,584 mm)</td>
<td>132.7 in (3,370 mm)</td>
<td>150 in (3,810 mm)</td>
</tr>
<tr>
<td>Machine weight</td>
<td>39,690 lbs (18,003 kg)</td>
<td>44,517 lbs (20,235 kg)</td>
<td>42,328 lbs (19,199 kg)</td>
<td>48,501 lbs (21,999 kg)</td>
</tr>
<tr>
<td>Power rating / full load KVA</td>
<td>152 KVA</td>
<td>152 KVA</td>
<td>67 KVA</td>
<td>88 KVA</td>
</tr>
</tbody>
</table>

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Hurco has been advancing the manufacturing industry for over 50 years. From the first computer controlled back gauge in 1969 to our patented UltiMotion system, we are dedicated to technology innovation that makes manufacturing more efficient and manufacturing companies more profitable.