The VMX30, part of Hurco’s signature line of vertical machining centers, matches its industry-leading productivity with its flexibility. It has been created specifically to take advantage of Hurco’s powerful control with WinMax® software.

The VMX30 provides greater part accuracy and better surface finish by using digital drives, larger ballscrews and linear rails, plus heavier servo drives. It was specifically designed and built for speed in every area. The increased metal removal rates and higher feed rates significantly decrease part cycle times.

**Best in class features**

- Huge work cube (50% larger on average than competitive models) lets the operator schedule a wider variety of work.
- Robust conversational and NC programming tools provide the shop with options on how best to approach a particular part.
- Advanced NC interpreter includes powerful software features, such as graphical Data Block Search, which eliminates the tedious task of searching through hundreds of lines of code. Use the rendered graphic of the part and simply point to the spot you need to adjust—the software automatically finds the corresponding line of code.
- Exceptional cutting feed rates of up to 600 ipm with Hurco’s SelectSurface Finish Quality (SFQ). Couple that with surface finishing and other process automation software options to get the fastest cut with the best quality.
- Conversational probing aligns the machine to the part instead of aligning the part to the machine—saving valuable time during setup.
- Ever-improving reliability makes the VMX30 an efficient workhorse.

### VMX30 Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>VMX30</th>
</tr>
</thead>
<tbody>
<tr>
<td>X, Y, Z Axis Travel, inches (mm)</td>
<td>30 x 20 x 24 (762 x 508 x 610)</td>
</tr>
<tr>
<td>Table Size, inches (mm)</td>
<td>40 x 20 (1,016 / 508)</td>
</tr>
<tr>
<td>Max Weight on Table, lbs (Kg)</td>
<td>3,000 (1,360)</td>
</tr>
<tr>
<td>Peak Spindle Motor, hp (Kw)</td>
<td>18 (13.4)</td>
</tr>
<tr>
<td>Max Spindle Motor Torque, ft lbs (Nm) @ rpm</td>
<td>10k 185 (251) @ 500 75 (102) @ 1,450</td>
</tr>
<tr>
<td>Rapid Traverse X, Y / Z axis, inches (M) / min</td>
<td>1,378 / 1,181 (35 / 30) 1,181 / 787 (30 / 20)</td>
</tr>
<tr>
<td>Tools</td>
<td>24 CAT (BT) 40</td>
</tr>
<tr>
<td>Positioning, inches (mm)</td>
<td>±0.0002 (0.0005)</td>
</tr>
<tr>
<td>Repeatability, inches (mm)</td>
<td>±0.0001 (0.0025)</td>
</tr>
<tr>
<td>Machine Weight, lbs (Kg)</td>
<td>10,450 (4,450)</td>
</tr>
</tbody>
</table>

Optimum machine performance is reliant upon installation conditions at the facility, such as power supply, air supply, and ambient air conditions.
VMX30

Shipping Dimensions, inches (mm) 90.6” x 116.1” x 100” (2,300 x 2,950 x 2,540)

Service Requirements
Power Required 25 KVA (full load)
Voltage Required 200-240 VAC / 50-60 Hz
Air Required 5 CFM @ 80-100 psi (0.14 M³/min @ 6-8 bar)

Hardware Features / Options

Coolant / Chip Removal
Chip Conveyor
Coolant Screen System
Flood Coolant
High Pressure CTS
Telescopic Way Covers
Top Dome
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
Tooling and Vises
Trunnion Tables
Rotary Tables

Frame / Cabinet
Air Conditioner
Door Interlock
Dual Work Lights
E-Stop Button on Control Head
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

WinMax Software/Automation Packages
Advanced Verification Graphics with 3D Solid Rendering
Swept Surface with 3D Mold
NC/Conversational Merge
SelectSurface Finish Quality (SFQ)
Tool Center Point Management
Tool and Material Library
4th Axis Rotary Wrap
UltiPocket with Helical Ramp Entry
DXF Transfer
Tool Probing
Part Probing
Industry Standard NC (ISNC)
NC Productivity Package (NCPP)
WinMax Desktop
UltiNet LAN Interface

800.634.2416  info@hurco.com  Find more product information and specifications at www.hurco.com

Machines shown with options. Prices and information may change without notice. 7.09