

HURCO[®]

VMX30U

The power of Hurco 5-axis technology simplifies complexity.



The VMX30U combines the performance and reliability of the flagship VMX Series with the power of Hurco 5-axis technology. Tackle complex, multi-sided parts with swept surfaces with ease. Let the technology do the work. Our integrated control with WinMax[®] is full of smart software features that increase productivity and simplify production of complex multi-sided parts.

Best in class features

- Integrated trunnion table design provides exceptional part clearances and larger part capacity.
- High capacity table rotates faster and handles more weight.
- Designed and manufactured to be a true 5-axis machine unlike many competitive models that simply attach a trunnion table to a basic 3-axis machine.
- Hurco's easy-to-master 5-sided conversational programming requires only one part setup.
- Hurco products are UL, CSA, NFPA 79 independently certified, with CE certification optional.

		VMX30U
X, Y, Z Axis Travel, inches (mm)		30 x 20 x 20.5 (762 x 508 x 520)
Table Size, inches (mm)		Ø 9.8 (Ø 248)
Max Weight on Table, lbs (Kg)		440 (200)
Max Part Diameter, inches (mm)		15.75 (400)
Peak Spindle Motor, hp (Kw)		18 (13.4)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	10k	185 (251) @ 500
	12k	158 (214) @ 600
	15k	126 (171) @ 750
Rapid Traverse X, Y / Z Axis, inches (M) / min		1,378 / 1,181 (35 / 30)
Tools, Standard		24/40 CAT (BT) 40
Positioning, inches (mm)		±0.0002 (0.005)
Repeatability, inches (mm)		±0.0001 (0.0025)
Machine Weight, lbs (Kg)		10,450 (4,740)

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

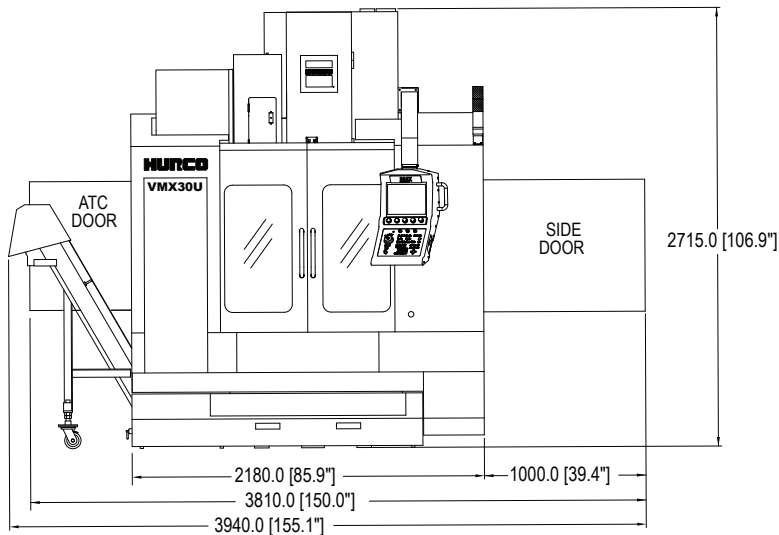
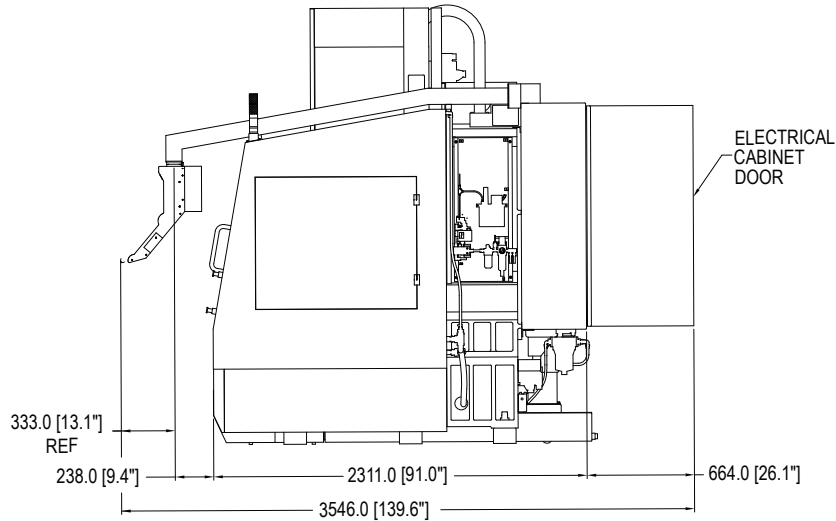
*This product is subject to the export control laws of the United States and/or other countries. Hurco complies fully with the export control laws and regulations of the United States and the jurisdictions in which it does business. In its standard configuration, this product includes control software capable of machining in three axes plus positioning in two separate axes ("three plus two") and/or multi-sided five-axis machining. This product is capable of simultaneous contouring in five axes only with the addition of supplemental software subject to separate approval.

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. 8.10

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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

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
- UltiPocket with Helical Ramp Entry
- DXF Transfer
- Tool Probing
- Part Probing
- Industry Standard NC (ISNC)
- NC Productivity Package (NCP)
- WinMax Desktop
- UltiNet LAN Interface
- Universal Rotary
- UltiMotion
- Slots

Shipping Dimensions, inches (mm) 90.6" x 116.1" x 100.00" (2,300 x 2,950 x 2,540)

Service Requirements

Power Required 29 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)

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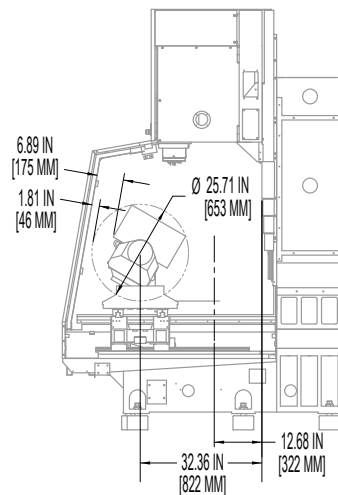
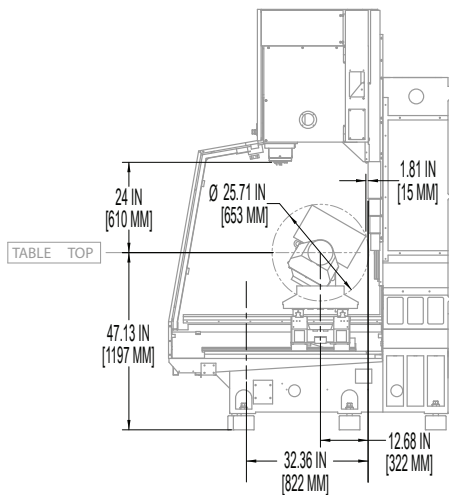
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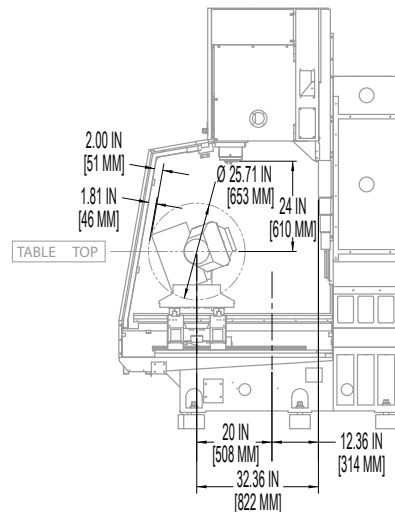
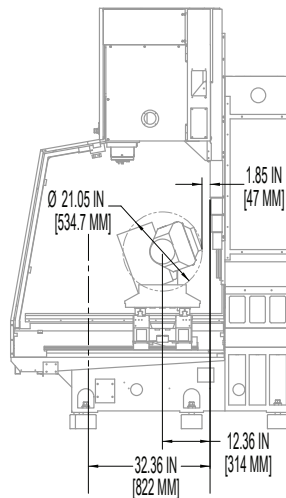
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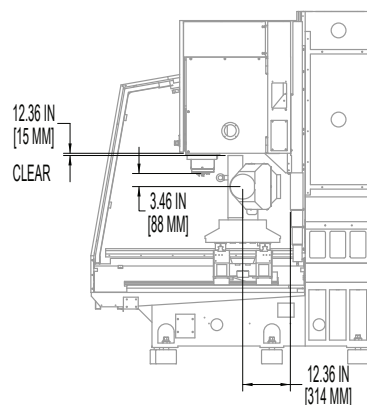
Usable Y-travel at full tilt positions



**Usable Y-travel for
tilt at -30°**
18.2 IN [500 MM]



**Usable Y-travel for
tilt at +110°**
20 IN [508 MM]



**Distance from the
spindle nose to the
trunnion table pivot
with maximum size
part loaded while
table is at +90° tilt**

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