

# HURCO<sup>®</sup>

## BX30U

# Speed. Precision. Reliability. Powered by Hurco 5-axis technology.



The BX30U is high speed machining at its finest. With an 18,000 rpm spindle, 1,575 rapids, and 40 tools standard, this bridge design machining center is ready to handle the toughest jobs. When it comes to the complexity of 5-axis parts, you can count on Hurco technology to simplify the entire process. The integrated Hurco control with WinMax<sup>®</sup> software is full of 5-axis features that slash setup time.

### 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.
- Intuitive 5-sided conversational programming requires only one part setup.
- Hurco products are UL, CSA, NFPA 79 independently certified, with CE certification optional.

		BX30U
X, Y, Z Axis Travel, inches (mm)		30 x 22.7 x 22 (762 x 576 x 559)
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)		47 (35)
Max Spindle Motor Torque, ft lbs (Nm) @ rpm	18k	88 (119) @ 2,800
Rapid Traverse X, Y, Z Axis, inches (M) / min		1,575 (40)
Tools, Standard / Option		40 HSK 63A
Positioning, inches (mm)		±0.0002 (0.005)
Repeatability, inches (mm)		±0.0001 (0.0025)
Machine Weight, lbs (Kg)		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.

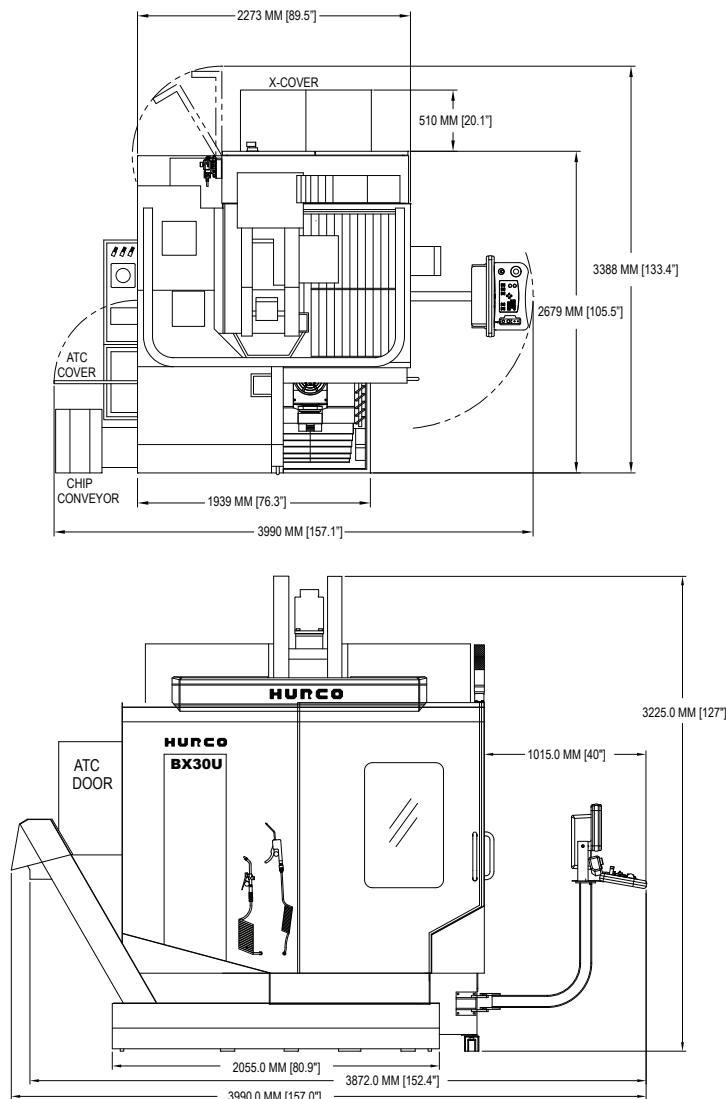
\*This product is subject to the export control laws of the United States and/or other countries. Hurco complies fully with the export control laws and regulations of the United States and the jurisdictions in which it does business. In its standard configuration, this product includes control software 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](http://www.hurco.com)

Machines shown with options. Prices and information may change without notice. 8.10

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## BX30U



**Shipping Dimensions, inches (mm)** 90.6" x 116.1" x 100.00" (2300 x 2950 x 2540)

### Service Requirements

KVA Rating	50
Voltage Required	200-240 VAC/60 Hz
Air Requirements	5 CFM @ 80-100 psi (0.14 M <sub>3</sub> /min @ 6-8 bar)

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### Hardware Features/Options

#### Coolant / Chip Removal

- Chip Conveyor
- Coolant Ring
- Coolant Screen System
- High Pressure CTS
- Spindle Coolant Nozzle
- Telescopic Way Covers
- Top Dome
- 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

### 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