



H16 Double-Column Machining Center

Exceptional Accuracy + Outstanding Surface Finishes

- World-class performance for die/mold, aerospace, and other high speed applications
- Extremely rigid and thermally stable double-column design
- Designed for parts that require outstanding speed and accuracy, and unparalleled surface finish
- Close proximity of spindle to bridge casting reduces overhang
- Ladder design of bridge provides greater support for the head casting
- Integrated washdown and chip management system
- Swiveling control panel for optimal floor space utilization
- Extra-wide door openings, for easier loading and unloading
- Large windows, for optimal visibility
- Robust, precision machined castings
- Hand-scraped contact areas
- Roller-type rails on all axes for added rigidity
- Direct-coupled ballscrews, for increased accuracy
- Absolute encoders for fast start-up
- Inline high-speed spindles
- FANUC® 31i-MB Series Control
- 62.99 x 51.18 x 27.56 inch travels
- 1,181 ipm (30 m/minute) X, Y, and Z rapids
- 787 ipm (20 m/minute) X, Y and Z feed rates
- 30-station swing-arm ATC
- 15,000 RPM inline direct-drive spindle
- 24.8 hp (18.5 kW) spindle
- 40 taper
- Chain-type conveyor standard
- 74.8 x 51.18 in (1,900 x 1,300 mm) table, 13,200 lbs (6,000 kg) capacity
- 52.0 in (1,320 mm) door opening
- Linear scales for repeatability and accuracy
- Weighs a colossal 40,000 lbs (22,000 kg)



- Responsive factory trained service and support

➤ ➤ **Special Pricing: \$240,000** ⚡ ⚡

Standard Accessories:

- FANUC® 31i-MB Series Control
- Linear Scales
- 15,000 RPM, Big Plus® CAT 40, inline spindle
- Coolant washdown system
- Programmable airblow machining
- Spindle chiller
- Full enclosure
- Coolant through Spindle (CTS) 30 Bar
- Oil Skimmer

- Work-light
- 3-light indicator lamp
- Wash-down gun and air gun
- Chip auger
- Manual pulse generator (MPG)
- 1 GB Dataserver
- Air conditioner
- Toolbox
- Leveling bolts and pads
- Operator manuals

Optional Accessories:

- Oil mist device
- Oil mist collector
- Part probe measurement system
- Tool probe measurement system
- Chip conveyor and cart
- CAT3 compliance package

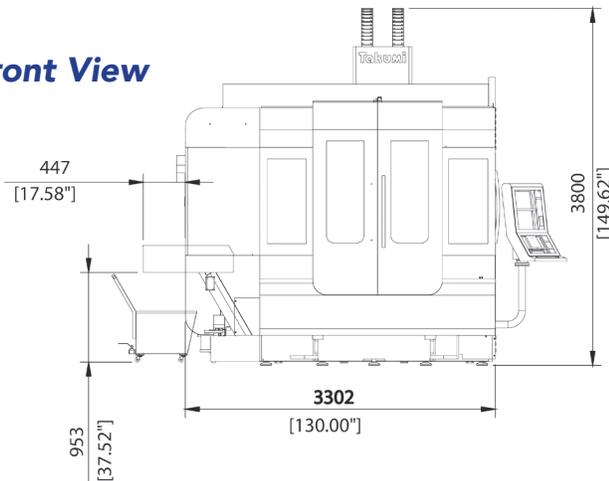


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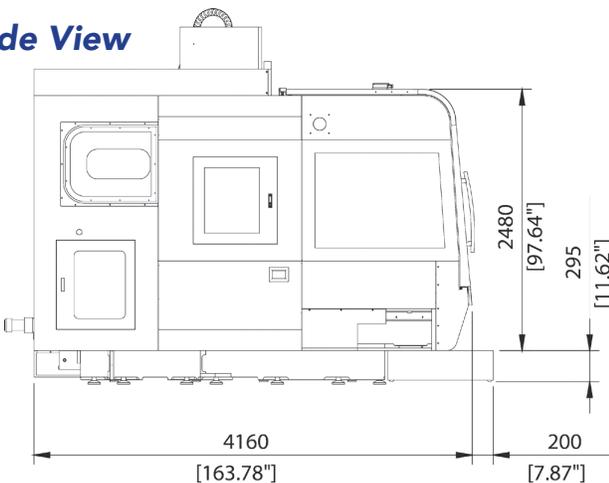


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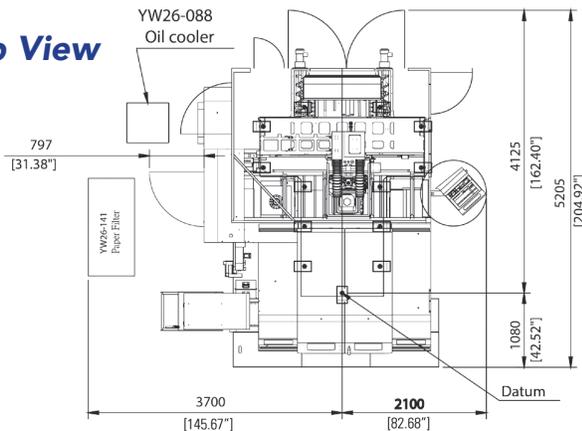
Front View



Side View



Top View



SPECIFICATIONS

- Travel -

X-Axis 62.99 in / 1,600 mm
 Y-Axis 51.18 in / 1,300 mm
 Z-Axis 27.56 in / 700 mm
 Distance from Spindle Nose 7.9 ~ 35.4 in /
 to Table 200 ~ 900 mm
 Distance between Columns 59.0 in / 1,500 mm

- Table -

Dimensions 74.8 x 51.18 in /
 1,900 x 1,300 mm
 Max. Load 13,200 lbs / 6,000 kg
 T-slot (width x pitch x number) ... 22 x 160 x 8

- Spindle -

Type Direct Drive
 Spindle Speed 15,000 rpm
 Spindle Torque Peak 105.5 ft/lb / 143.04 nm
 Motor Power (cont./30 min) 20.1/24.8 HP / 15/18.5 KW
 Coolant Tool Spindle 30 bar / 435.11 psi
 Spindle Taper Big Plus® CAT 40

- Feed Rate -

Rapid Traverse (X/Y/Z) 1,181 x 1,181 x 1,181 ipm /
 30 x 30 x 30 m/min
 Cutting Feed Rate 0.04 ~ 787 ipm /
 1 ~ 20,000 mm/min
 Power (X/Y/Z) 14.0kw/5.5kw/5.5kw

- ATC & Magazine -

ATC Type Swing-Arm
 Magazine Capacity 30 tools
 Maximum Tool Diameter
 (next pocket empty) 2.9" / 5.8" / 73.6/148 mm
 Maximum Tool Length 11.8 in / 300 mm
 Maximum Tool Weight 15.4 lbs / 7 kg
 Tool Shank Big Plus® CAT 40

- Space & System Requirements -

Pneumatic Pressure 5 CFM @ 85-115 psi /
 0.14m3 /min. @ 6-8 bar
 Electrical Power Consumption 75 KVA
 Machine Net Weight 40,000 lbs / 22,000 kg
 Maximum Floor Space 191.45 x 204.92 x 156.69 in
 (W x L x H) / 4,863 x 5,205 x 3,980 mm

Contact Brooks to learn more about this exceptional machining center!



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