



V11 Vertical Machining Center

High-Rigidity + High-Precision Structure

- Perfect combination of heavy cutting and high stability
- Designed and built for heavy material removal parts production and mold and die industries
- Box ways for rigid and stable cutting
- Pre-tensioned ballscrews minimize thermal growth and improve accuracy
- Direct-coupled motors, for increased accuracy and faster start-up
- Swiveling control panel for optimal floor space use
- Spindle chiller for maximizes heat dissipation
- Extra-wide door openings, for easier loading and unloading
- Hand-scraped contact areas
- Robust, precision machined castings
- Box-shape bed made of one piece casting
- Integrated washdown and chip management system
- FANUC® Oi-MF Series Control
- 39.2 x 25.9 x 24 in travels
- 944 x 944 x 787 in/min (24 x 24 x 20 m/min) rapids
- 4 box ways supporting y-axis
- 24-station swing-arm ATC
- 6,000 RPM belt spindle
- 50 taper
- 1.31 second tool-to-tool ATC time
- 41.3 x 25.6 in (1,050 x 650 mm) table, 2,204 lbs (1,000 kg) capacity
- 14,770 lbs (6,700 kg) machine weight



➤ ➤ **Special Pricing: \$109,950** ◀ ◀

Standard Accessories:

- FANUC® Oi-MF Series Control
- CTS Standard
- 24-tool, CAT, swing-arm ATC
- Wash down gun and air gun
- Coolant wash down system
- Chip conveyor and cart
- Centralized automatic lubrication system
- Manual pulse generator (MPG)
- Ethernet & RS-232C interface
- Heat exchanger
- Toolbox
- Leveling bolts and pads
- Operator manuals
- Programmable airblow machining
- Spindle chiller
- Full enclosure
- Work light

Optional Accessories:

- Coolant through spindle (CTS)
- Oil skimmer
- Oil mist device
- Oil mist collector
- Part probe measurement system
- Tool probe measurement system
- 4th axis rotary table
- CAT3 compliance package
- BT 40
- Air Conditioner

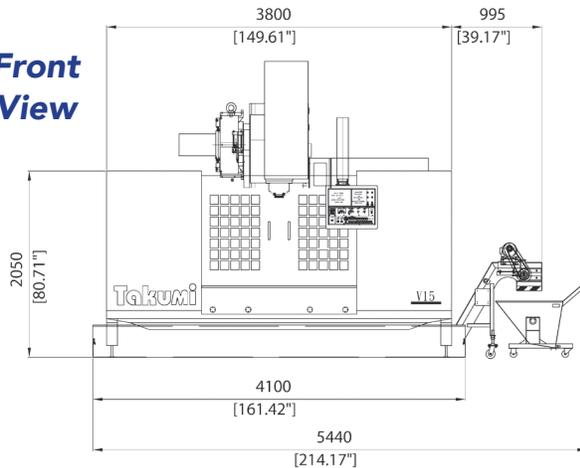
Contact Brooks to learn more about this exceptional machining center!



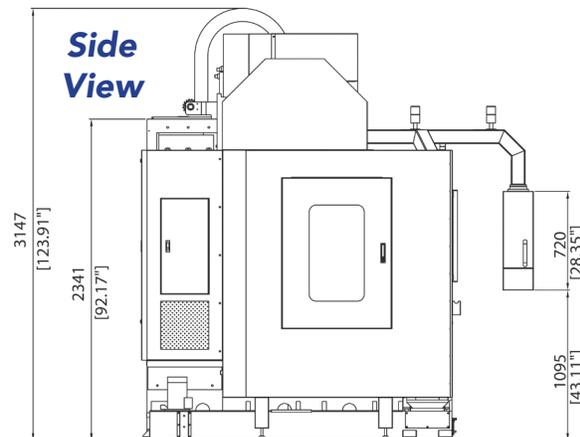
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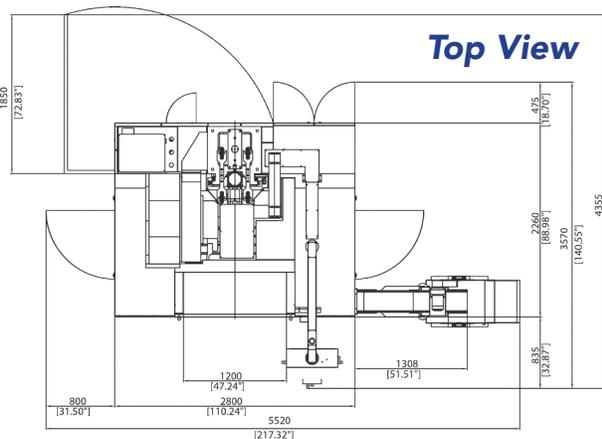
Front View



Side View



Top View



SPECIFICATIONS

- Travel -

X-Axis 43.31 in / 1,100 mm
 Y-Axis 26 in / 660 mm
 Z-Axis 24.01 in / 610 mm
 Distance from Spindle Nose 5.91 ~ 29.53 in /
 to Table 150 ~ 750 mm
 Distance from Spindle Nose
 to Z-Axis Guide Ways 27.56 in / 700 mm

- Table -

Dimensions 45.28 x 25.59 in /
 1,150 x 650 mm
 Max. Load 2,425.01 lbs / 1,100 kg
 T-slot (width x pitch x number) ... 18 x 100 x 5

- Spindle -

Type Gear
 Spindle Speed 6,000 rpm
 Spindle Torque Peak 387 ft/lb / 524.7 nm
 Motor Power (cont./30 min) 14.8/20.1 HP / 11/15 kW
 Coolant Tool Spindle 30 bar / 435.11 psi
 Spindle Taper CAT/BT 50

- Feed Rate -

Rapid Traverse (X/Y/Z) 945 x 945 x 787 ipm /
 24 x 24 x 20 m/min
 Cutting Feed Rate 275.6 ipm / 1~8,000 m/min
 Power (X/Y/Z) 4.0/5.3/5.3 hp /
 3.0/4.0/4.0 kW

- ATC & Magazine -

ATC Type Swing-Arm
 Magazine Capacity 24 tools
 Maximum Tool Diameter
 (next pocket empty) 3.15/5.91 in / 80/150 mm
 Maximum Tool Length 11.81 in / 300 mm
 Maximum Tool Weight 15.43 lbs / 7 kg
 Tool Shank CAT/BT 50

- Space & System Requirements -

Pneumatic Pressure 5 CFM @ 85-115 psi /
 0.14m³ /min. @ 6-8 bar
 Electrical Power Consumption 35 KVA
 Machine Net Weight 14,991 lbs / 6,800 kg
 Maximum Floor Space 248.03 x 165.35 x 124.02 in
 (W x L x H) / 6,300 x 4,200 x 3,150 mm