



V10 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 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
- 12,000 RPM belt spindle
- 40 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: \$83,500** ◀◀

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 airflow machining
- Spindle chiller
- Full enclosure
- Work light

Optional Accessories:

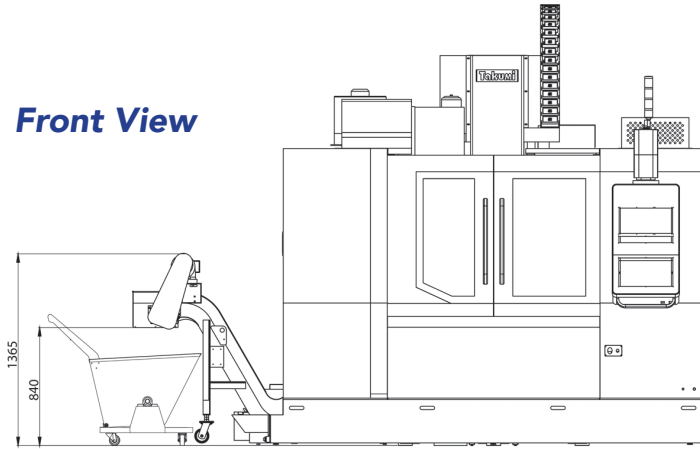
- Coolant through spindle (CTS)
- Oil skimmer
- Oil mist device
- Oil mist collector
- Part probe measurement system
- Tool probe measurement system
- 4th axis rotary table
- CAT3 compliance package
- BT 40
- Air Conditioner



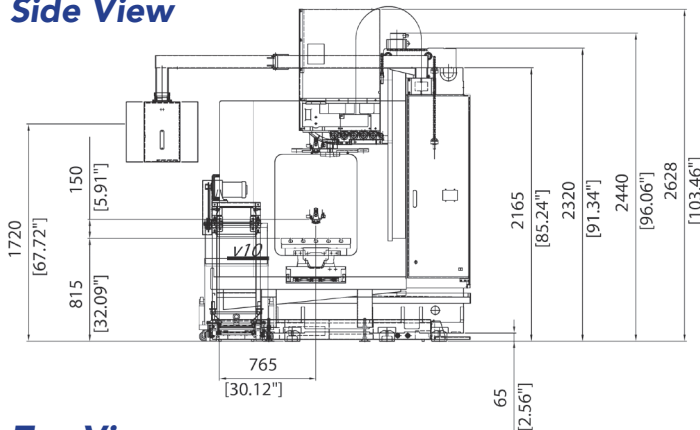
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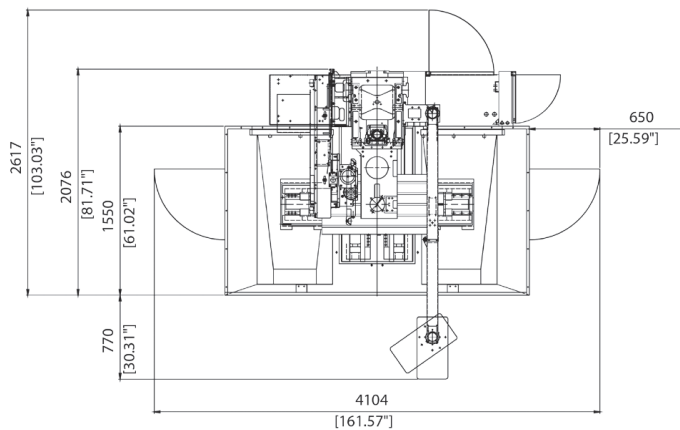
Front View



Side View



Top View



SPECIFICATIONS

- Travel -

X-Axis	39.37 in / 1,000 mm
Y-Axis	26 in / 660 mm
Z-Axis	24.02 in / 610 mm
Distance from Spindle Nose to Table	5.91 ~ 29.92 in / 150 ~ 760 mm
Distance from Spindle Nose to Z-Axis Guide Ways	27.56 in / 700 mm

- Table -

Dimensions	41.34 x 25.59 in / 1,050 x 650 mm
Max. Load	2,204.62 lbs / 1,000 kg
T-slot (width x pitch x number) ...	18 x 100 x 5

- Spindle -

Type	Belt
Spindle Speed	12,000 rpm
Spindle Torque Peak	70.8ft/lb / 96.01 nm
Motor Power (cont./30 min)	10.1/20.1 HP / 7.5/15 kW
Coolant Tool Spindle	30 bar / 435.11 psi
Spindle Taper	CAT/BT 40

- 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)	4.0/4.0/4.0 hp / 3.0/3.0/3.0 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 40

- Space & System Requirements -

Pneumatic Pressure	5 CFM @ 85-115 psi / 0.14m ³ /min. @ 6-8 bar
Electrical Power Consumption	35 KVA
Machine Net Weight	14,770 lbs / 6,700 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

Contact Brooks to learn more about this exceptional machining center!