



# V15 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
- 60 x 30 x 28.3 in travels
- 708 x 708 x 630 in/min (18 x 18 x 16 m/min) rapids
- 4 box ways supporting y-axis
- 24-station swing-arm ATC
- 6,000 RPM 2-speed gear-type spindle
- 50 taper



- 63 x 30 in (1,600 x 760 mm) table, 3,307 lbs (1,500 kg) capacity
- 30,865 lbs (14,000 kg) machine weight

➤ ➤ **Special Pricing: \$139,950** ◀ ◀

### 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:

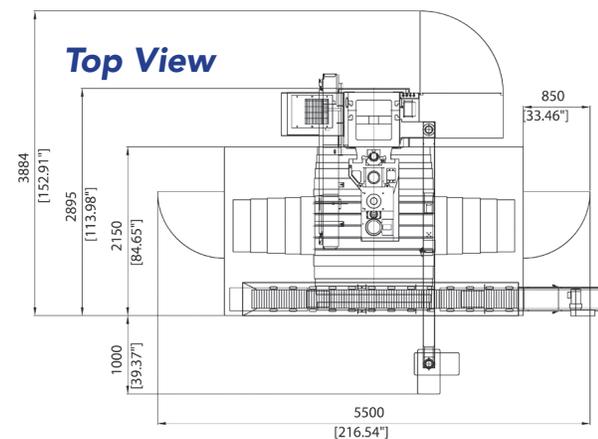
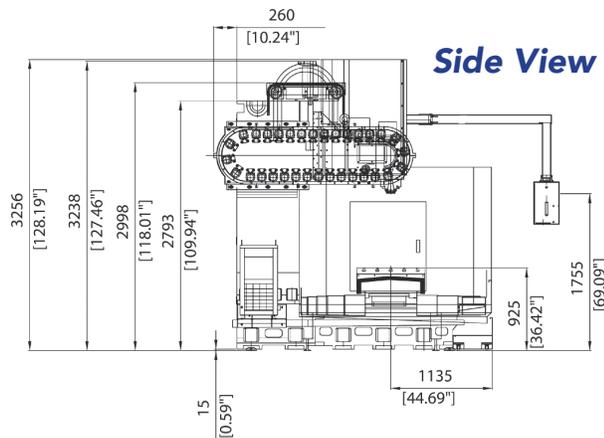
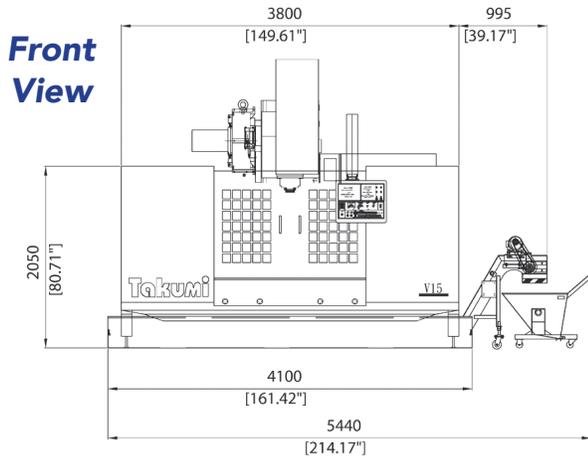
- Coolant through spindle (CTS)
- Oil skimmer
- Oil mist device
- Oil mist collector
- Part probe measurement system
- Tool probe measurement system
- 4th axis rotary table
- CAT3 compliance package
- BT 40
- Air Conditioner

**Contact Brooks to learn more about this exceptional machining center!**



300 Longwater Dr., Norwell, MA 02061  
Phone: 781.871.3400 | FAX: 781.871.4969  
[www.brooksmachinery.com](http://www.brooksmachinery.com)

# V15 Vertical Machining Center



## SPECIFICATIONS

### - Travel -

X-Axis .....	60 in / 1,524 mm
Y-Axis .....	30 in / 762 mm
Z-Axis .....	28.35 in / 720 mm
Distance from Spindle Nose .....	5.91 ~ 34.25 in /
to Table	150 ~ 870 mm
Distance from Spindle Nose	
to Z-Axis Guide Ways .....	32.28 in / 820 mm

### - Table -

Dimensions .....	62.99 x 29.92 in /
	1,600 x 760 mm
Max. Load .....	3,306.93 lbs / 1,500 kg
T-slot (width x pitch x number) ...	22 x 150 x 5

### - Spindle -

Type .....	Gear
Spindle Speed .....	6,000 rpm
Spindle Torque Peak .....	437.2 ft/lb / 592.76 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 .....	CAT/BT 50

### - Feed Rate -

Rapid Traverse (X/Y/Z) .....	708 x 708 x 650 ipm /
	18 x 18 x 160 m/min
Cutting Feed Rate .....	0.04 ~ 196.85 ipm /
	1 ~ 5,000 mm/min
Power (X/Y/Z) .....	5.3/9.4/5.3 hp /
	4.0/7.0/4.0 kW

### - ATC & Magazine -

ATC Type .....	Swing-Arm
Magazine Capacity .....	24 tools
Maximum Tool Diameter	
(next pocket empty) .....	4.33/8.66 in / 110/220 mm
Maximum Tool Length .....	11.81 in / 300 mm
Maximum Tool Weight .....	33.07 lbs / 15 kg
Tool Shank .....	CAT/BT 50

### - Space & System Requirements -

Pneumatic Pressure .....	5 CFM @ 85-115 psi /
	0.14m <sup>3</sup> /min. @ 6-8 bar
Electrical Power Consumption .....	35 KVA
Machine Net Weight .....	30,865 lbs / 14,000 kg
Maximum Floor Space .....	275.59 x 220.47 x 128.19 in
(W x L x H)	/ 7,000 x 5,600 x 3,256 mm