

[Special Series]

Haas VF-3YT/50-Taper



The Vertical Machining Center

Standard side-mount
tool changer, 30+1 tools

ISO standard G-code programming
through the user-friendly,
full-function Haas CNC control



Standard Haas 50-taper,
7500-rpm, 30 hp
vector drive spindle

Warranty: 1 Year Parts and Labor

[Standard Features]

- 7500-rpm, 50-Taper Spindle
- 30-Horsepower Vector Drive
- 2-Speed, Vibration-Isolated Gearbox
- Side-Mount Tool Changer, 30+1 Tools
- Chip Auger System
- Rigid Tapping
- Programmable Coolant Nozzle
- 1 MB Program Memory
- 15" Color LCD Monitor w/USB Port
- Enhanced Remote Jog Handle w/LCD
- Memory Lock Keyswitch
- Made in the USA

[Options] partial list

- 10,000-rpm Spindle
- BT-50 Option
- Linear Scales
- High-Pressure Through-Spindle Coolant
- Coordinate Rotation & Scaling
- Ethernet Interface
- User-Defined 2nd Home Button
- High-Speed Machining with Look-Ahead
- User-Definable Macros
- Spindle Orientation
- Wireless Intuitive Probing System



Haas Automation, Inc. | www.HaasCNC.com | 800-331-6746 | Made in U.S.A.

Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment.



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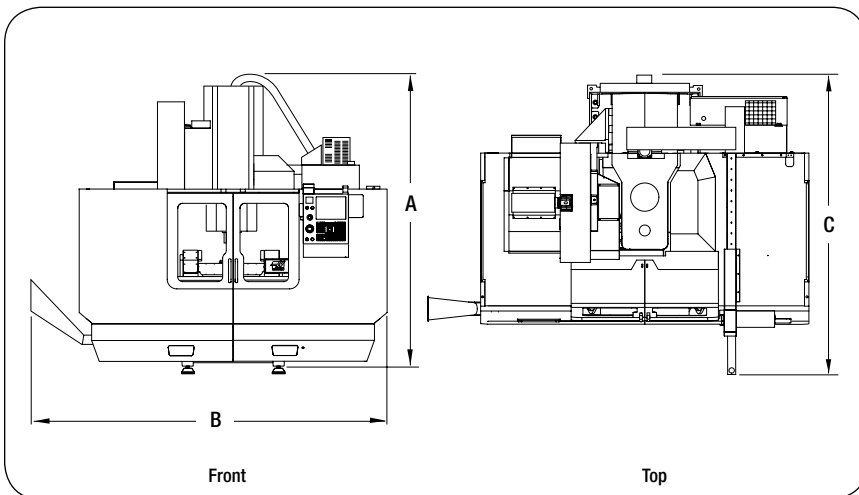
The Haas VF-3YT/50-taper VMC provides the heavy cutting capacity of a 50-taper machine in a mid-size footprint. It has a 40" x 26" x 25" work envelope and a 52" x 23" table – up 6" in Y over the standard Haas VF-3. A larger base casting provides the extended Y-axis travel, yet the machine's footprint is only slightly larger than the standard VF-3. Heavy cast-iron construction yields the rigidity and stability necessary for heavy cutting, and the wide T-slot table provides plenty of room for fixturing and large parts.



The Haas 50-taper spindle features a 30 hp vector drive system that provides 450 ft-lb of torque for heavy cuts.



The Haas-built two-speed gearbox provides a versatile combination of high torque in low gear and speeds to 7500 rpm in high gear for added flexibility. The gearbox is isolated by polyurethane mounts to eliminate vibration.



Operating Dimensions

VF-3YT/50

A. Max Operating Height	130"	3 302 mm
B. Max Operating Width	143"	3 632 mm
C. Max Operating Depth†	106"	2 692 mm

† With control swung forward. Additional 36" (914 mm) required to open rear service panel.

[Specifications]

Travels

X	40"	1 016 mm
Y	26"	660 mm
Z	25"	635 mm

Table

Length	52"	1 321 mm
Width	23"	584 mm
Max Weight on Table	4000 lb	1 814 kg

Spindle

Taper Size	#50
Speed	7500 rpm
Drive System	2-Speed, Geared Head
Max Torque	450 ft-lb @ 500 rpm 610 Nm @ 500 rpm
Max Rating	30 hp 22.4 kW

Axis Motor

Max Thrust Rating	5600 lb 24 910 N
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Feedrates

Rapids	710 ipm 18.0 m/min
Max Cutting	500 ipm 12.7 m/min

Tool Changer

Capacity	30+1
Tool Taper/Type	CT 50 (BT-50 optional)
Max Tool Dia – full adj. empty	4" 7" 102 mm 178 mm
Max Tool Weight	30 lb 13.6 kg
Tool to Tool	4.2 sec
Chip to Chip	6.3 sec

General

Machine Weight	15,900 lb 7 212 kg
Power Required (min)	195 - 260 VAC 3-Phase
Air Required	4 scfm @ 100 psi 113 Lpm @ 6.9 bar



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