

[Special Series]

Haas VF-3YT/50-Taper



The Vertical Machining Center



**1. Standard side-mount
tool changer, 30+1 tools**

**2. Standard Haas 50-taper,
7 500-rpm, 22,4 kW
vector drive spindle**

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

Warranty: 1 Year Parts and Labor

[Standard Features]

- 7 500-rpm, 50-Taper Spindle
- 22,4 kW Vector Drive
- 2-Speed Gearbox
- Side-Mount Tool Changer, 30+1 Tools
- Chip Auger System
- Rigid Tapping
- Programmable Coolant Nozzle
- 1 MB Memory
- 38 cm Color LCD Monitor w/USB Port
- Memory Lock Keyswitch
- Remote Jog Handle
- Made in the USA

[Options] *partial list*

- 10 000-rpm Spindle
- BT-50 Option
- 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 Europe | www.HaasCNC.com | +32 2 522 99 05 | Made in U.S.A.

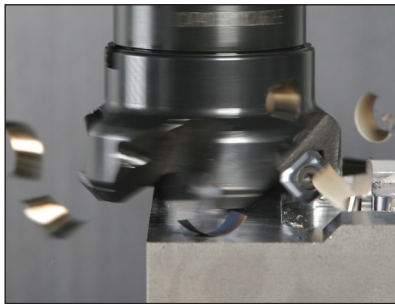
Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment. Actual product appearance may differ.

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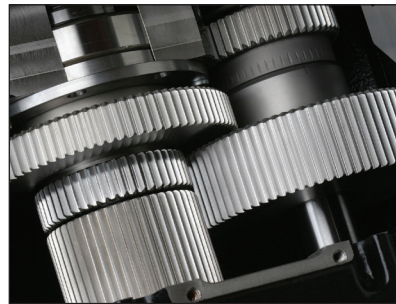
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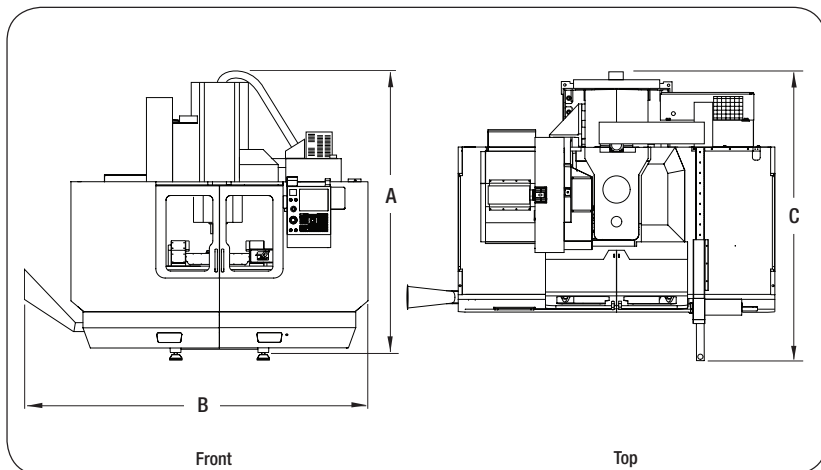
The new Haas VF-3YT/50-taper VMC provides the heavy cutting capacity of a 50-taper machine in a mid-size footprint. It has a 1016 x 660 x 635 mm work envelope and a 1321 x 584 mm table – up 152 mm in Y over the standard Haas VF-3. A larger base casting provides the extended Y-axis travel, yet the machine's 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 22,4 kW vector drive system that provides 460 Nm of torque for heavy cuts.



The Haas-built two-speed gearbox provides a versatile combination of high torque in low gear and speeds to 7 500 rpm in high gear for added flexibility.



Operating Dimensions

VF-3YT/50

A.	Max Operating Height	3 302 mm
B.	Max Operating Width	3 632 mm
C.	Max Operating Depth*	2 692 mm

* With control swung forward. Additional 914 mm required to open rear service panel.

[Specifications]

Travels

X	1 016 mm
Y	660 mm
Z	635 mm

Table

Length	1 321 mm
Width	584 mm
Max Weight on Table	1 814 kg

Spindle

Speed	7 500 rpm
Drive System	2-Speed, Geared Head
Max Torque	460 Nm @ 700 rpm
Max Rating	22,4 kW

Optional Spindle

Speed	10 000 rpm
Drive system	2-Speed, Geared Head
Max Torque	339 Nm @ 700 rpm
Max Rating	22,4 kW

Brushless Axis Motors

Max Thrust	
X Axis	15 124 N
Y Axis	18 238 N
Z Axis	24 910 N

Feedrates

Rapids	18,0 m/min
Max Cutting	12,7 m/min

Tool Changer

Capacity	30+1
Tool Taper/Type	CT 50 (BT-50 optional)
Max Tool Dia – full adj. empty	102 mm 178 mm
Max Tool Weight	13,6 kg
Tool to Tool	4,2 sec
Chip to Chip	6,3 sec

General

Power Required	354 - 488 VAC 3-Phase
Air Required	113 Lpm @ 6,9 bar

