

[ Special Series ]

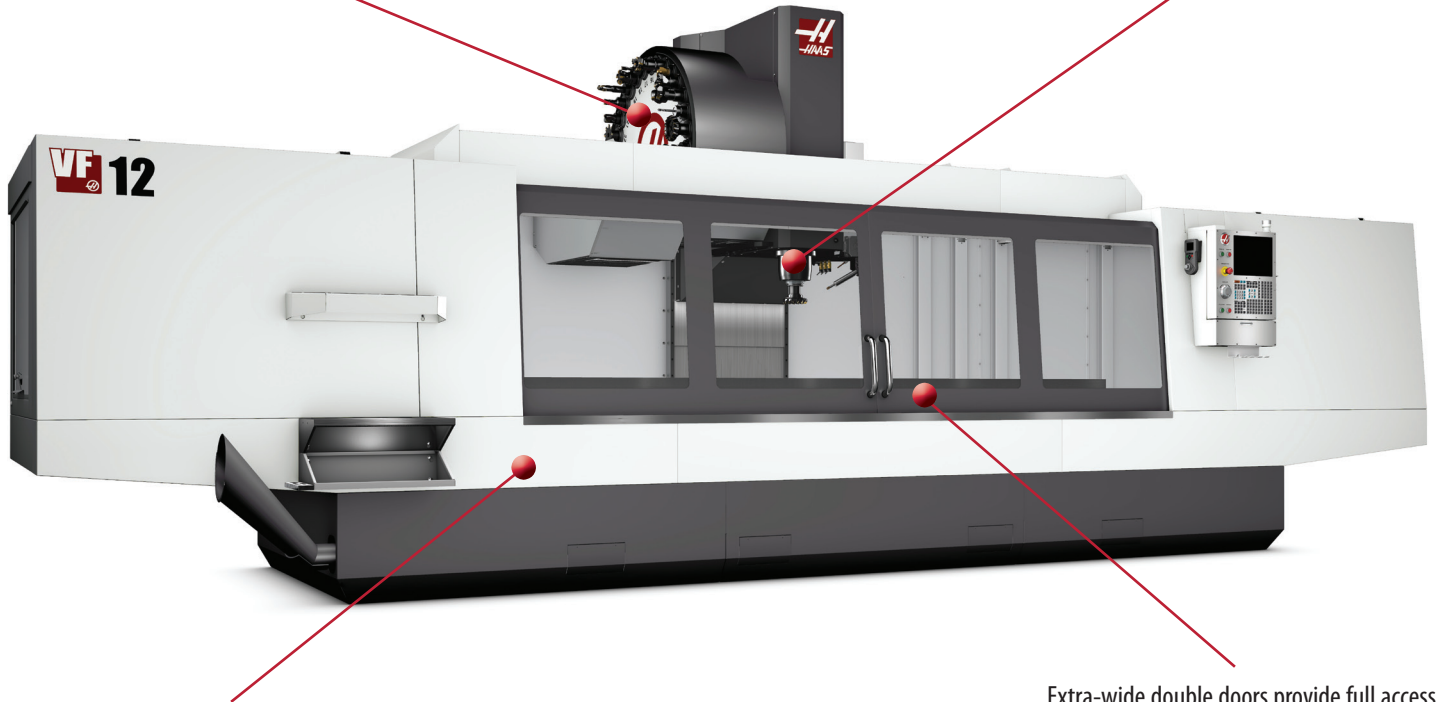
# Haas VF-12 Series



## The Large-Frame VMCs

Side-mount tool changer swaps tools quickly, and keeps them out of the work envelope

Available in 40-taper and 50-taper configuration



Full sheet-metal enclosure keeps chips and coolant contained during machining

Extra-wide double doors provide full access to load and unload large parts

Warranty: 1 Year Parts and Labor

### [ Standard Features ]

- Powerful Vector Drive
- 22,4 kW Spindle
- Side-Mount Tool Changer
- Programmable Coolant Nozzle
- 15" Color LCD Monitor
- Built-In USB Port
- Enhanced Remote Jog Handle w/LCD
- 360 L Flood Coolant System
- Automatic Chip Auger
- Rigid Tapping

### [ Options ] partial list

- 10 000-rpm Spindle
- High-Pressure Through-Spindle Coolant
- High-Speed Machining w/Look-Ahead
- Wireless Intuitive Probing System
- 4th- and 5th-Axis Drives
- Ethernet Interface
- Coordinate Rotation & Scaling
- User-Definable Macros
- Power Failure Detection Module



Haas Automation Europe | [www.HaasCNC.com](http://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.

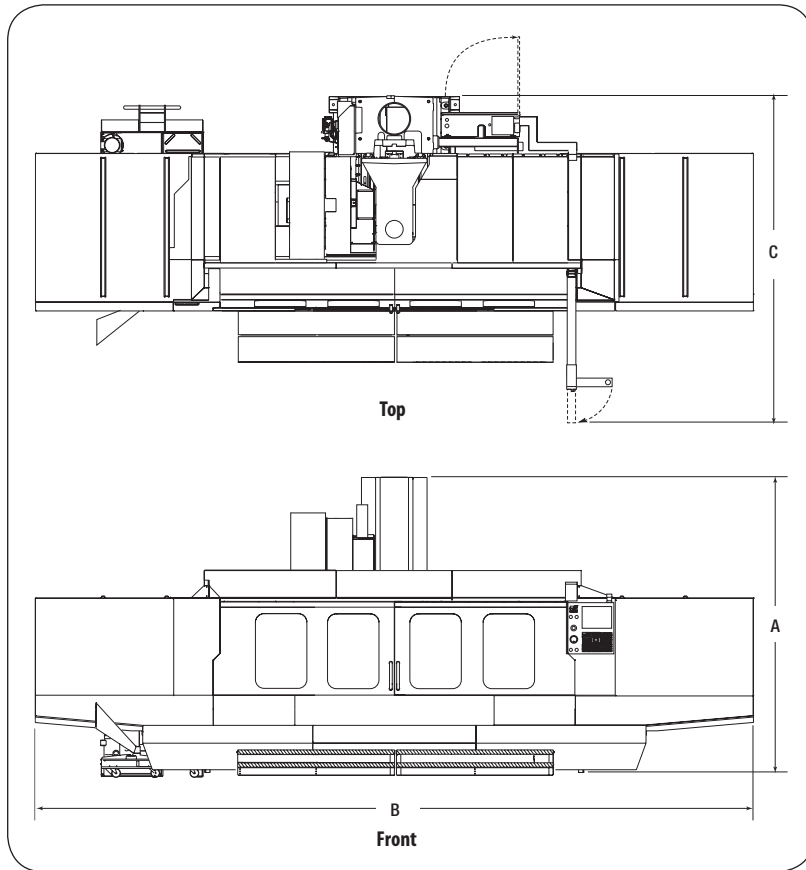
# Haas VF-12 Series

## The Large-Frame VMCs



The VF-12 is a large-travel VMC that easily accommodates the large-volume machining found in the aerospace, automotive and mold and die industries.

It features 3810 x 812 x 762 mm (xyz) travels, and has a 3810 x 711 mm T-slot table. It is available in both 40- and 50-taper configuration, with spindle speeds to 10000 rpm. Standard equipment includes a side-mount tool changer, chip auger system, programmable coolant nozzle, rigid tapping, 360 L flood coolant system, 15" color LCD monitor, built-in USB port and much more.



### [ Specifications ]

Travels	VF-12/40	VF-12/50
X	3810 mm	3810 mm
Y	813 mm	813 mm
Z	762 mm	762 mm

Table	VF-12/40	VF-12/50
Length	3810 mm	3810 mm
Width	711 mm	711 mm
Max Weight on Table	1814 kg	1814 kg

Spindle	VF-12/40	VF-12/50
Speed	8100	7500
Drive System	Inline Direct-Drive	Geared Head
Max Torque	122 Nm @ 2 000 rpm	610 Nm @ 500 rpm
Max Rating	22,4 kW	22,4 kW

Brushless Axis Motors	VF-12/40	VF-12/50
Max Thrust		
X & Y Axis	15 124 N	15 124 N
Z Axis	24 910 N	24 910 N

Feedrates	VF-12/40	VF-12/50
Max Rapids		
X Axis	9,1 m/min	9,1 m/min
Y & Z Axis	15,2 m/min	15,2 m/min
Max Cutting	9,1 m/min	9,1 m/min

Tool Changer	VF-12/40	VF-12/50
Capacity	24+1 (40+1)	30+1
Tool Type/Taper	CT or BT 40	CT or BT 50
Max Tool Diameter	76 mm	102 mm
Tool to Tool	2,8 sec	4,2 sec
Chip to Chip	3,6 sec	6,3 sec

General	VF-12/40	VF-12/50
Machine Weight	13 903 kg	14 583 kg
Power Required	354 - 488 VAC 3-Phase	354 - 488 VAC 3-Phase

Operating Dimensions	VF-12/40	VF-12/50
A. Max Operating Height	3 175 mm	3 505 mm
B. Max Operating Width	8 382 mm	8 382 mm
C. Max Operating Depth*	3 886 mm	3 886 mm

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



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