

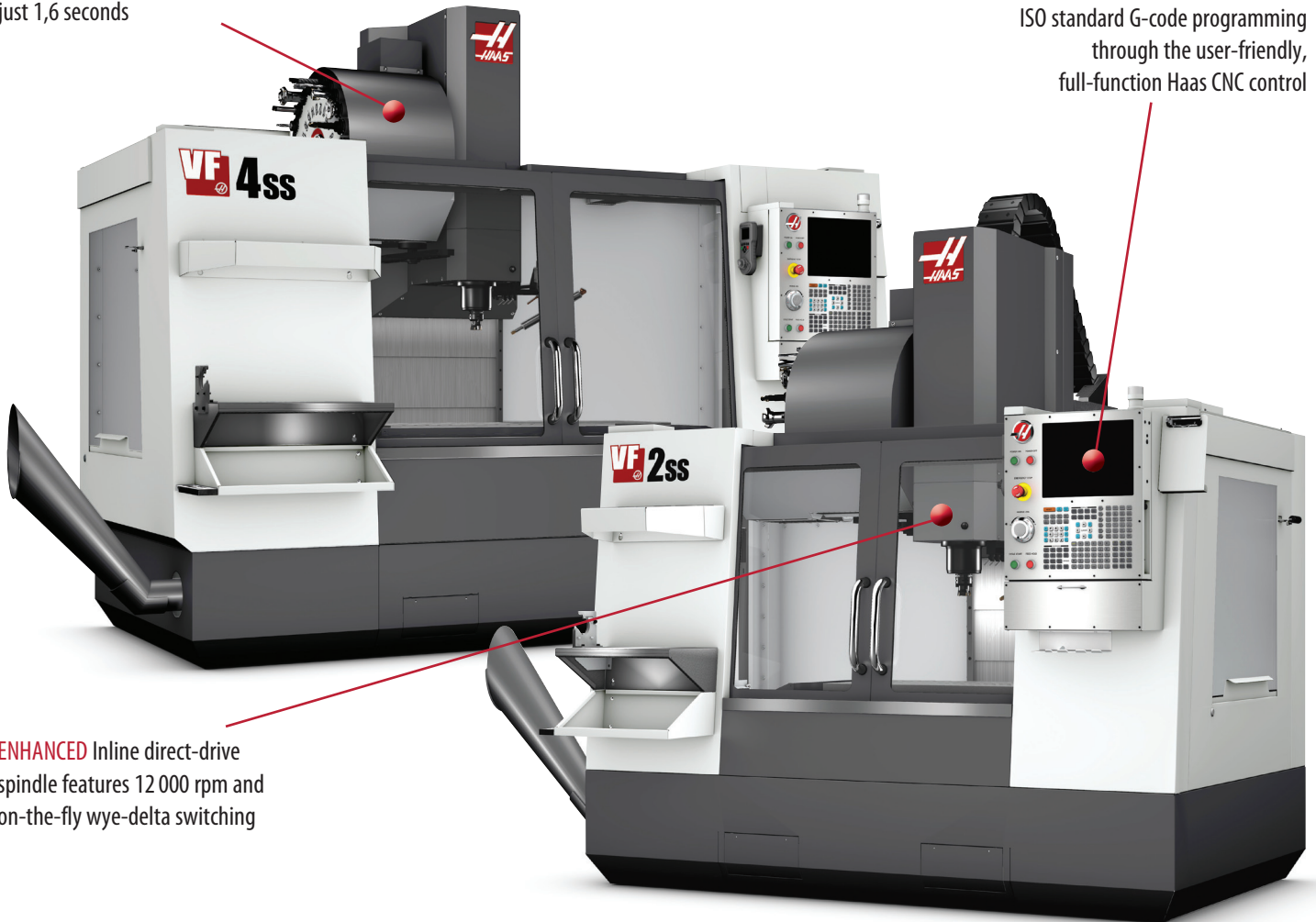
Haas SS Series



The Super-Speed VMCs

ENHANCED High-speed side-mount tool changer (24+1 tools) swaps tools in just 1,6 seconds

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



ENHANCED Inline direct-drive spindle features 12 000 rpm and on-the-fly wye-delta switching

Warranty: 1 Year Parts and Labor

[Standard Features]

- 22,4 kW Vector Dual Drive
- 12 000-rpm 40-Taper Spindle
- Inline Direct Drive
- High-Speed Rapids
- High-Speed Side-Mount Tool Changer
- Rigid Tapping
- 38 cm Color LCD Monitor w/USB Port
- Brushless Servos on All Axes
- User-Friendly Haas Control
- ISO Standard G-Code Programming
- Made in the USA

[Options] partial list

- Chip Auger System¹
- Programmable Coolant Nozzle¹
- Haas Intuitive Programming System
- Remote Jog Handle¹
- 750 MB Program Memory
- 4th- and 5-Axis Drives
- Coordinate Rotation & Scaling
- User-Definable Macros
- High-Speed Machining w/Look-Ahead

¹Standard on VF-6SS.



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.

Haas SS Series



The Super-Speed VMCs

The Haas high-performance Super-Speed vertical machining centers provide the high spindle speeds, fast rapids and quick tool changes necessary for high-volume production and reduced cycle times.

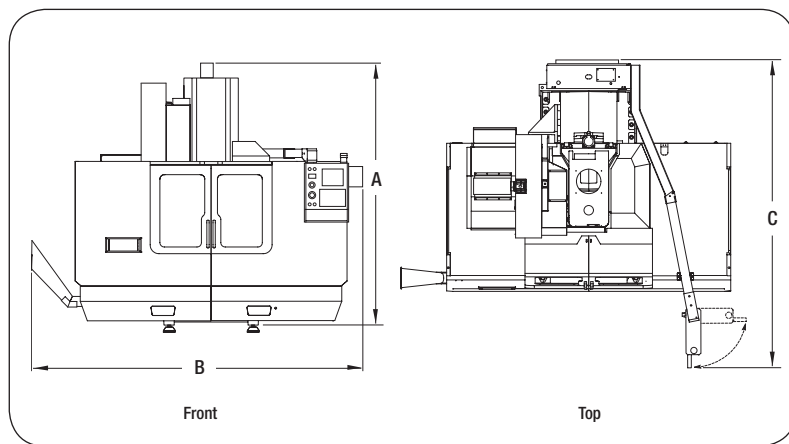
Each SS machine features a 12 000-rpm, inline direct-drive spindle, an ultra-fast side-mount tool changer and high-speed rapids on all axes.



The Haas 12 000-rpm, inline direct-drive spindle is coupled directly to the motor to reduce vibration, heat and noise. The 22,4 kW vector dual-drive system provides plenty of low-end torque, as well as the speed necessary for high-speed machining operations.



The fast rapids and quick tool changes of the SS machines increase throughput and reduce cycle times for economical high-volume production. The generous size of the T-slot tables easily accommodates multiple fixtures.



Operating Dimensions	VF-2SS	VF-3SS	VF-4SS	VF-5SS	VF-6SS
A. Max Operating Height	2 667 mm	2 718 mm	2 997 mm	3 022 mm	3 022 mm
B. Max Operating Width	3 175 mm	3 886 mm	3 886 mm	4 013 mm	4 775 mm
C. Max Operating Depth**	2 769 mm	2 667 mm	2 667 mm	2 844 mm	3 098 mm

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

[Specifications]

Travels	VF-2SS	VF-3SS	VF-4SS	VF-5SS	VF-6SS
X	762 mm	1 016 mm	1 270 mm	1 270 mm	1 626 mm
Y	406 mm	508 mm	508 mm	660 mm	813 mm
Z	508 mm	635 mm	635 mm	635 mm	762 mm

Table					
Length	914 mm	1 219 mm	1 321 mm	1 321 mm	1 626 mm
Width	356 mm	457 mm	457 mm	584 mm	711 mm
Max Weight on Table	680 kg	794 kg	794 kg	794 kg	907 kg

Spindle					
Speed	12 000 rpm				
Drive System	Inline Direct Drive				
Max Rating	22,4 kW				
Max Torque	122 Nm @ 2 000 rpm				

Brushless Axis Motors					
Max Thrust					
X Axis	8 874 N	13 723 N	13 723 N	14 902 N	15 124 N
Y Axis	8 874 N	13 723 N	13 723 N	14 902 N	15 124 N
Z Axis	13 723 N	17 450 N	17 450 N	14 902 N	15 124 N

Feedrates					
Max Rapids					
X Axis	35,6 m/min	35,6 m/min	35,6 m/min	30,5 m/min	22,9 m/min
Y Axis	35,6 m/min	35,6 m/min	35,6 m/min	30,5 m/min	30,5 m/min
Z Axis	35,6 m/min	35,6 m/min	35,6 m/min	30,5 m/min	30,5 m/min
Max Cutting	21,2 m/min				

Tool Changer					
Capacity	24+1				
Type	CT 40				
Max Tool Diameter	76 mm				
Tool to Tool	1,6 sec				2,3 sec
Chip to Chip	2,2 sec				3,2 sec

General					
Power Required	354-488 VAC 3-Phase				
Weight	3 629 kg	5 670 kg	6 033 kg	6 623 kg	9 526 kg



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