

[Special Series]

Haas DT-1



The Drill/Tap Center

Inline direct-drive spindle provides 15,000 rpm, and will rigid tap to 5000 rpm

Base Model Starts at

DT-1

\$44,995*

ISO standard G-code programming through the easy-to-use Haas control, or use the optional Intuitive Programming System

Side-mount tool changer (20+1 tools) swaps tools in just 0.8 seconds

A high-volume coolant system and optional dual augers clear chips from the enclosure quickly

2400 ipm rapids and 1G axis accelerations combine to reduce cycle times

Heavy cast-iron base FEA optimized for rigidity

Warranty: 1 Year Parts and Labor

[Standard Features]

- 15 hp Vector Drive
- 15,000-rpm BT30 Taper Spindle
- Inline Direct Drive
- 20+1 Side-Mount Tool Changer
- 15" Color LCD Monitor w/USB Port
- High-Speed Rigid Tapping
- Made in the USA

[Options] partial list

- Through-Spindle Coolant System
- Programmable Coolant Nozzle
- Dual Chip Augers
- High-Speed Machining w/Look-Ahead
- Haas Intuitive Programming System
- Wireless Intuitive Probing System
- 4th- and 5th-Axis Drives



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

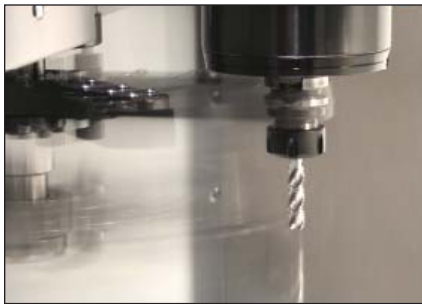
Prices and specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment. *Base price in US dollars.



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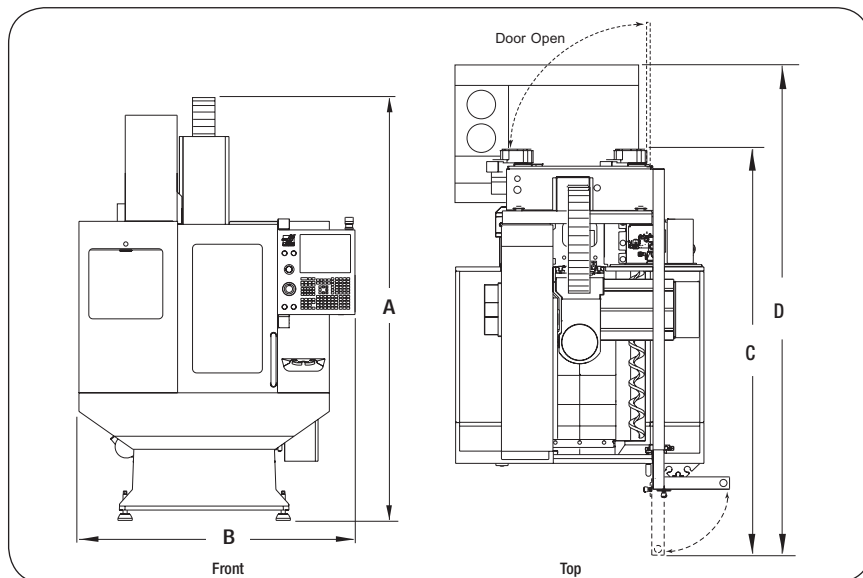
The DT-1 is a compact, high-speed drill and tap machine with full milling capabilities. The machine has a 20" x 16" x 15.5" (xyz) work cube and a 26" x 15" T-slot table. A powerful BT30 taper inline direct-drive spindle provides 15,000 rpm, and allows rigid tapping at speeds to 5000 rpm. A high-speed, 20-pocket tool changer swaps tools quickly, while rapids of 2400 ipm on all axes, combined with 1G acceleration/deceleration rates, shorten cycle times and reduce non-cutting time.



The DT-1 features a high-speed side-mount tool changer that swaps tools in 0.8 seconds, keeping non-cutting time to a minimum.



The Haas-built BT30 taper inline direct-drive spindle provides 15,000 rpm for high-speed milling, and allows rigid tapping at speeds up to 5000 rpm.



Operating Dimensions DT-1

A. Max Operating Height	103"	2616 mm
B. Max Operating Width	68"	1727 mm
C. Max Operating Depth [†]	99"	2515 mm
D. Max Operating Depth w/coolant tank	122"	3099 mm

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

[Specifications]

Travels	DT-1
X	20" 508 mm
Y	16" 406 mm
Z	15.5" 394 mm

Table	
Length	26" 660 mm
Width	15" 381 mm
Max Weight on Table ¹	150 lb 68 kg

Spindle	
Speed	15,000 rpm
Drive System	Inline Direct Drive
Max Torque	46 ft-lb @ 1700 rpm 62 Nm @ 1700 rpm
Max Rating	15 hp 11.2 kW

Tapping	
Max Tapping Speed	5000 rpm
Max Tap Size (aluminum)	1/2"-13 M12 x 1.75

Feedrates	
Max Rapids	2400 ipm 61.0 m/min
Max Cutting	1200 ipm 30.5 m/min
Axis Acceleration ¹	1G (32 ft/sec ²) 9.8 m/sec ²

Tool Changer	
Capacity	20+1
Tool Type/Taper	BT 30
Max Tool Diameter	2.0" 51 mm
Tool to Tool	0.8 sec
Chip to Chip	1.5 sec

Accuracy	
Positioning	±0.0002" ±0.005 mm
Repeatability	±0.0001" ±0.003 mm

General	
Power Required (min)	195 - 260 VAC 3-Phase
Coolant Capacity	45 gal 170 L

¹At 1G acceleration; up to 500 lb (227 kg) with reduced accelerations. May require machine anchoring.



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