

[ Special Series ]

# Haas DT-1

## The Drill/Tap Center



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

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

High-speed side-mount tool changer (20+1 tools)

2400 ipm rapids and high accelerations combine to reduce cycle times

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

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
- Built-In USB Port & Ethernet Connection
- 1 GB Program Memory
- High-Speed Rigid Tapping
- Made in the USA

### [ Options ] partial list

- 20,000-rpm BT30 Taper Spindle
- Through-Spindle Coolant System
- Programmable Coolant Nozzle
- Dual Chip Augers
- Rear Chip-Lift Auger
- High-Speed Machining w/Look-Ahead
- Haas Visual Programming System
- Wireless Intuitive Probing System
- 4th- and 5th-Axis Drives



Haas Automation, Inc. | [www.HaasCNC.com](http://www.HaasCNC.com) | 800-331-6746 | Made in U.S.A.

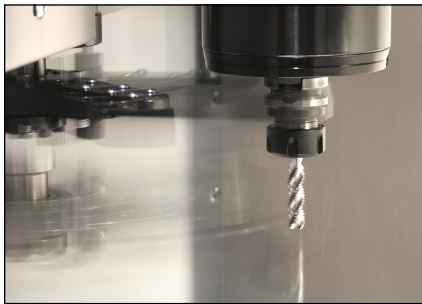
Specifications subject to change without notice. Not responsible for typographical errors. Machine shown with optional equipment. Actual product appearance may differ.



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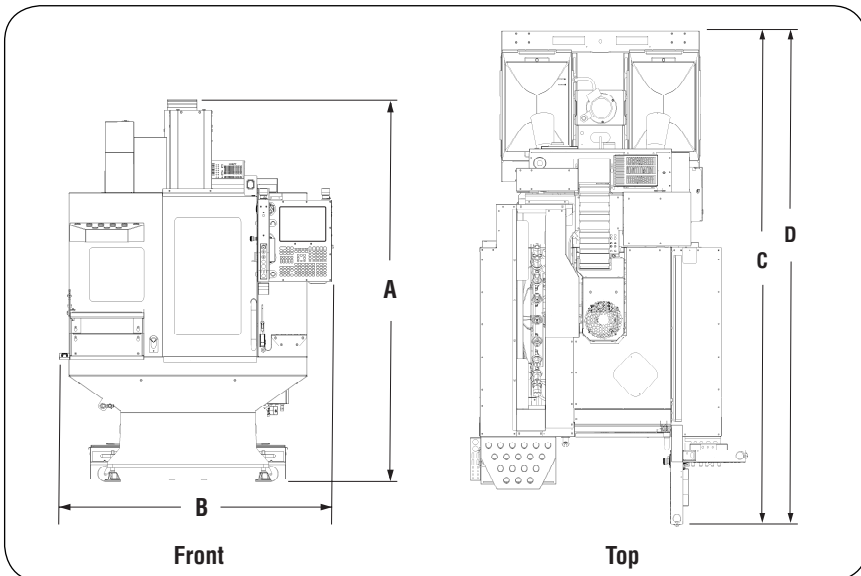
The DT-1 is a compact, high-speed drill and tap machine with full milling capabilities. The machine has a 20" x 16" x 15.5" (xyz) work cube and a 26" x 15" T-slot table. A powerful BT30 taper inline direct-drive spindle provides 15,000 rpm, and allows rigid tapping at speeds to 5000 rpm. A high-speed,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



The DT-1 features a high-speed side-mount tool changer that swaps tools quickly to keep 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	98" 2 489 mm
B. Max Operating Width	68" 1 727 mm
C. Max Operating Depth†	104" 2 642 mm
D. Max Operating Depth w/coolant tank	125" 3 175 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	250 lb 113 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

Optional Spindle	
Speed	20,000 rpm
Drive System	Inline Direct-Drive
Max Torque	16 ft-lb @ 2800 rpm 21.7 Nm @ 2 800 rpm
Max Rating	15 hp 11.2 kW

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

Feedrates	
Max Rapids	2400 ipm 61.0 m/min
Max Cutting	1200 ipm 30.5 m/min

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	1.6 sec

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

Machine anchoring highly recommended.  
Contact your HFO for additional information.



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