

[Special Series]

Haas DM-1

The Drill/Mill Center



Inline direct-drive 40-taper spindle provides 15,000 rpm, with high-speed tapping

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 (18+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 40-Taper Spindle
- Inline Direct-Drive
- 18+1 Side-Mount Tool Changer
- 15" Color LCD Monitor
- Built-In USB Port & Ethernet Connection
- High-Speed Rigid Tapping
- High-Impact Safety Glass
- 1 GB Program Memory
- Made in the USA

[Options] partial list

- Through-Spindle Coolant Systems
- Programmable Coolant Nozzle
- Through-Tool Air Blast
- Minimum Quantity Lubrication System
- 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 | 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.

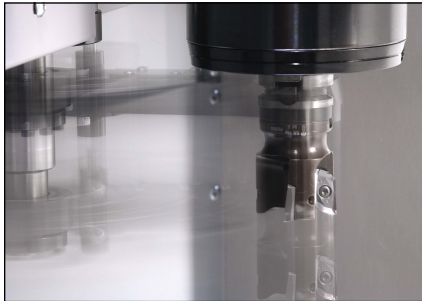


Haas DM-1

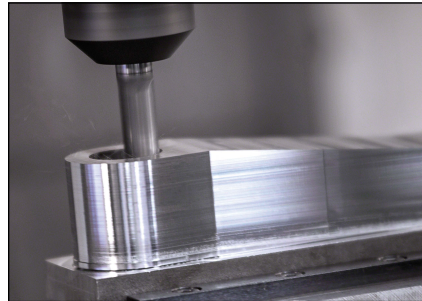
The Drill/Mill Center

The DM-1 is a compact, high-speed machining center built with proven Haas components and sub-assemblies. It is identical in construction and specifications to the DT-1, but with the substitution of a Haas 40-taper inline spindle and an 18+1 tool changer. The machine's high acceleration rates, fast axis speeds, and short tool change times make the DM-1 an attractive high-productivity machining center.

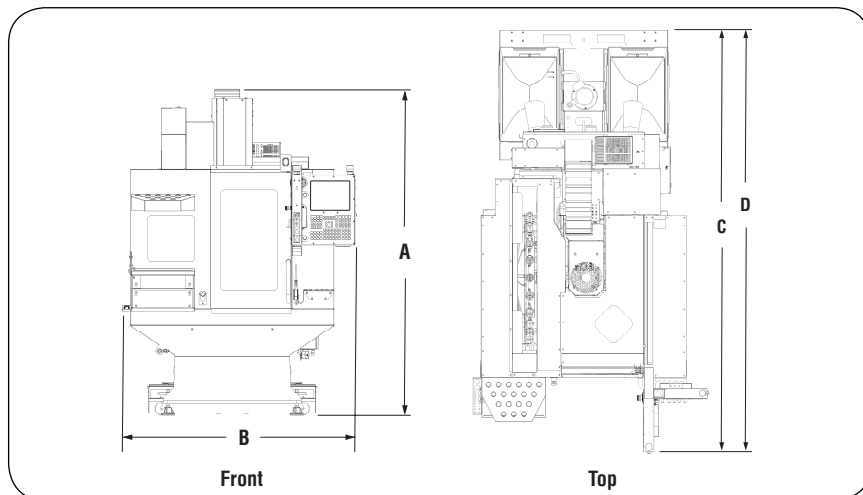
The DM-1 allows shops to use their existing 40-taper tooling and enjoy the benefits of a larger spindle. It is a lean-style machining center with a compact footprint that allows multiple machines to be placed side-by-side, allowing for the most efficient use of valuable shop floor space.



The DM-1 features a high-speed side-mount tool changer that swaps tools quickly to keep non-cutting time to a minimum.



The Haas-built 40-taper inline direct-drive spindle provides 15,000 rpm for high-speed milling, and allows high-speed rigid tapping.



Operating Dimensions	DM-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	DM-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
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	18+1
Tool Type/Taper	CT or BT 40
Max Tool Diameter	2.5" 64 mm
Max Tool Length	7.0" 178 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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