

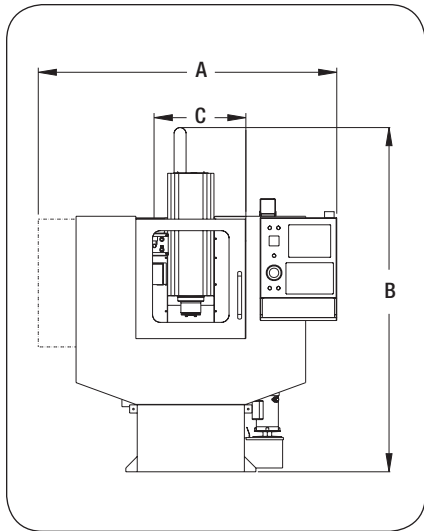
Haas MM Series

The Mini Mill & Super Mini Mill



Running a small job on a big machine can be inefficient, and may even cut into profits. Haas Mini Mills provide an economical solution for small parts machining in a compact package that is loaded with full-size features.

They are perfect for schools, start-up shops or as a first step into CNC machining. And they're a valuable addition for shops needing a "second-op" machine, or an additional spindle where space is limited.



Operating Dimensions

A. Max Width (door open)	87" 2210 mm
B. Max Operating Height	103" 2616 mm
C. Door Opening Width	24" 610 mm

Machine depth is 85" (2159 mm) and requires additional 36" (914 mm) to open rear service panel.



Mini Mill

Automatic 10-pocket 40-taper tool changer

Shop-proven, 6000-rpm vector drive spindle

Standard, user-friendly, full-function Haas control

600 ipm rapids, 500 ipm cutting feeds

Machine operates on either single- or three-phase power

Compact footprint



Super Mini Mill

Clear plastic top cover, standard

ENHANCED Automatic 10-pocket 40-taper tool changer provides fast 3-second tool changes

ENHANCED Shop-proven, vector drive spindle features 10,000 rpm and rigid tapping

36" x 12" table handles parts up to 500 lb

ENHANCED High-pitch ballscrews and powerful brushless servos provide 1200 ipm rapids

Machine operates on three-phase power

The **Super** Mini Mill also includes a coolant pump and 1 MB of memory

Compact footprint

Warranty: 1 Year Parts and Labor



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. Machines shown with optional equipment.



Haas MM Series

The Mini Mill & Super Mini Mill



The Mini Mill and Super Mini Mill are perfect for machining the typical small parts found at many job shops. The 40-taper spindle is ideal for finish work and cutting aluminum.

The Mini Mill's 16" x 12" x 10" travels and 36" x 12" table make it ideal for most of the jobs a typical shop encounters. The small footprint saves space, and the machine's cost is very affordable.

(Photos show optional coolant system)

[Specifications]

Travels	Mini Mill	Super Mini Mill
X	16" 406 mm	16" 406 mm
Y	12" 305 mm	12" 305 mm
Z	10" 254 mm	10" 254 mm
Spindle Nose to Table Top (approx.)	4"-14" 102 - 356 mm	4"-14" 102 - 356 mm

Table	Mini Mill	Super Mini Mill
Length (total)	36" 914 mm	36" 914 mm
Length (work surface)	28.75" 730 mm	28.75" 730 mm
Width	12" 305 mm	12" 305 mm
Max Weight on Table	500 lb 227 kg	500 lb 227 kg

T-Slots	Mini Mill	Super Mini Mill
T-Slot Width	5/8"	16 mm
Number of T-Slots	3	
Center Distance	4.3"	110 mm

Spindle	Mini Mill	Super Mini Mill
Taper Size	#40	#40
Speed	0-6000 rpm	0-10,000 rpm
Drive System	Belt-Driven	Belt-Driven
Max Torque	33 ft-lb @ 1200 rpm 45 Nm @ 1200 rpm	17 ft-lb @ 4600 rpm 23 Nm @ 4600 rpm
Max Rating	7.5 hp 5.6 kW	15 hp 11.2 kW

Brushless Axis Motors	Mini Mill	Super Mini Mill
Max Thrust Rating	2000 lb	8896 N

Feedrates	Mini Mill	Super Mini Mill
Max Rapids	600 ipm 15.2 m/min	1200 ipm 30.5 m/min
Max Cutting	500 ipm 12.7 m/min	833 ipm 21.2 m/min

Tool Changer	Mini Mill	Super Mini Mill
Capacity	10	
Type	CT or BT 40	
Max Tool Diameter	3.5"	89 mm
Max Tool Weight	12 lb	5.4 kg
Tool to Tool	3.6 sec	3.0 sec
Chip to Chip	5.0 sec	3.8 sec

Accuracy	Mini Mill	Super Mini Mill
Positioning	±0.0002"	±0.005 mm
Repeatability	±0.0001"	±0.003 mm

General	Mini Mill	Super Mini Mill
Machine Weight	3400 lb 1542 kg	3400 lb 1542 kg
Air Required	4 scfm @ 100 psi 113 Lpm @ 6.9 bar	4 scfm @ 100 psi 113 Lpm @ 6.9 bar
Power Required (min)	208 VAC 3-Phase, 30A 240 VAC 1-Phase, 50A	208 VAC 3-Phase, 50A 240 VAC 1-Phase, 50A

Mini Mill

[Standard Features]

- Full VMC Capabilities
- 15" Color LCD Monitor w/USB Port
- 16" x 12" x 10" (xyz) Travels
- Full Enclosure
- 10-Tool Capacity
- Standard 40-Taper Tooling
- 36" x 12" Table
- 6000-rpm Vector Drive Spindle
- 600 ipm Rapids
- Direct Speed, Belt Drive
- Accepts Single- or Three-Phase Power
- User-Friendly Haas Control
- Easy to Set Up and Operate
- Made in the USA

[Options]

- BT40
- Chip Auger
- Coolant Pump Kit
- Programmable Coolant Nozzle
- Clear Plastic Top Cover
- 4th- and 5th-Axis Drives
- Coordinate Rotation & Scaling
- High-Speed Machining w/Look-Ahead
- User-Definable Macros
- Haas Intuitive Programming System
- Rigid Tapping
- Spindle Orientation
- 750 MB Program Memory

Super Mini Mill

[Standard Features]

- Full VMC Capabilities
- 15" Color LCD Monitor w/USB Port
- 16" x 12" x 10" (xyz) Travels
- Full Enclosure
- 10-Tool Capacity
- Standard 40-Taper Tooling
- 36" x 12" Table
- 10,000-rpm Vector Drive Spindle
- 1200 ipm Rapids
- Rigid Tapping
- Coolant Pump Kit
- Clear Plastic Top Cover
- Direct Speed, Belt Drive
- Three-Phase Power
- User-Friendly Haas Control
- Easy to Set Up and Operate
- Made in the USA

[Options]

- BT40
- 15,000-rpm Spindle
- Chip Auger
- Through-Spindle Coolant
- Programmable Coolant Nozzle
- 4th- and 5th-Axis Drives
- Coordinate Rotation & Scaling
- High-Speed Machining w/Look-Ahead
- User-Definable Macros
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