

[Special Series]

Haas UMC-750



The Universal Machining Center

Standard side-mount
tool changer, 40+1 tools

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



630 x 500 mm dual-axis
trunnion table

8 100-rpm 40-taper
inline direct-drive spindle

Warranty: 1 Year Parts and Labor

[Standard Features]

- 8 100-rpm Inline Direct-Drive 40-Taper Spindle
- 22.4 kW Vector Drive
- 630 x 500 mm Dual-Axis Trunnion Table
- Five-Axis Control
- Dynamic Work Offset
- Tool Center Point Control
- 40+1 Side-Mount Tool Changer
- User-Defined Second Home Position
- 15" Color LCD Monitor w/USB Port
- Rigid Tapping
- Wireless Intuitive Probing System

- Spindle Orientation
- User-Definable Macros
- Coordinate Rotation & Scaling
- Made in the USA

[Options] Partial List

- 12 000-rpm Inline Direct-Drive Spindle, 22,4 kW
- Belt-Type Chip Conveyor
- High-Speed Machining w/Look-Ahead
- Through-Spindle Coolant Systems
- 750 MB Expanded Program Memory
- Programmable Coolant Nozzle
- Ethernet Interface
- Intuitive Programming System



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. Machine shown with optional equipment. Product appearance may differ.

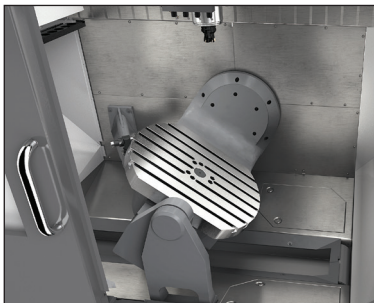
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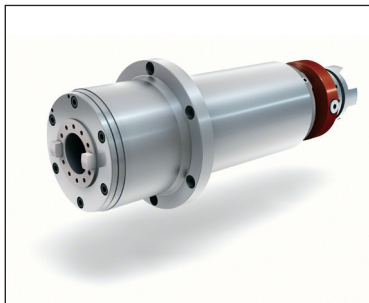


The UMC-750 is a 5-axis 40-taper vertical machining center with 762 x 508 x 508 mm travels and an integrated dual-axis trunnion table. The machine is equipped with a powerful 8100-rpm inline direct-drive spindle driven by a 22 kW vector drive system, and comes standard with a 40+1 tool side-mount tool changer.

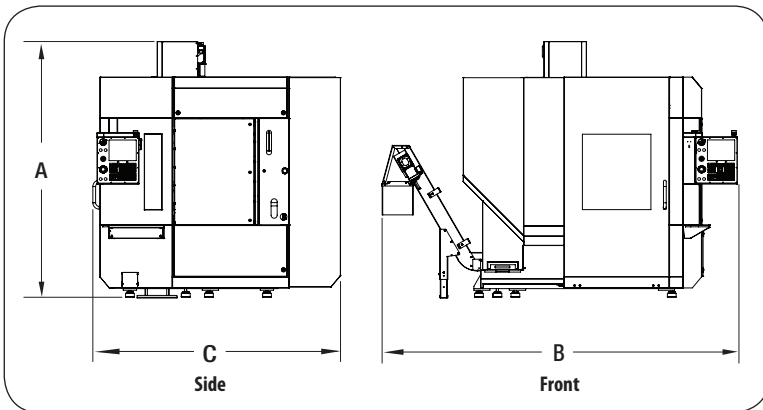
The UMC-750's 630 x 500 mm trunnion table features standard T-slots, as well as a precision pilot bore, for fixturing versatility. The trunnion provides +110 and -35 degrees of tilt and 360 degrees of rotation to provide excellent tool clearance and large part capacity.



The UMC-750's integrated dual-axis trunnion table can position parts to nearly any angle for 5-sided (3+2) machining, or provide full simultaneous 5-axis motion for contouring and complex machining.



The UMC-750 comes standard with an inline direct-drive spindle that spins to 8100-rpm. For high-speed work, a 12,000-rpm inline directdrive spindle is available.



Operating Dimensions **UMC-750**

A.	Max Operating Height	3 048 mm
B.	Max Operating Width	4 115 mm
C.	Max Operating Depth	2 870 mm

[Specifications]

Travels

X	762 mm
Y	508 mm
Z	508 mm
B (tilt)	+110°, -35°
C (rotation)	360°

Trunnion

Table Size	630 x 500 mm
Capacity	300 kg
Number of T Slots	7
T-Slot Width	16 mm

Standard Spindle

Speed	8 100 rpm
Drive System	Inline Direct Drive
Max Torque	122 Nm @ 2 000 rpm
Max Rating	22.4 kW

Optional Spindle

Speed	12 000 rpm
Drive System	Inline Direct Drive
Max Torque	122 Nm @ 2 000 rpm
Max Rating	22.4 kW

Feedrates (linear)

Rapids X	25.4 m/min
Rapids Y	25.4 m/min
Rapids Z	25.4 m/min
Max Cutting	16.5 m/min

Feedrates (rotary)

Rapids B	50°/sec
Rapids C	50°/sec
Max Cutting	33°/sec

Tool Changer

Capacity	40+1 SMTC
Tool Type/Taper	CT or BT 40

General

Coolant Capacity	284 L
Power Required (min)	354-488 VAC 3-phase 50-60 Hz
Air Required	113 Lpm @ 6.9 bar



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