

[Special Series]

Haas EC-1600 Series



The Horizontal Machining Center

Standard side-mount
tool changer, 30+1 tools

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

Multi-auger chip
removal system

Available with integrated
4th-axis rotary platter

6000-rpm 50-taper
geared-head spindle

Warranty: 1 Year Parts and Labor

[Standard Features]

- 6000-rpm 50-Taper Spindle
- 30 hp Vector Drive
- Two-Speed Gearbox
- 30+1 Side-Mount Tool Changer
- 15" Color LCD Monitor
- Built-In USB Port
- Multi-Auger Chip Removal System
- Enhanced Remote Jog Handle w/LCD
- Power Failure Detection Module
- Rigid Tapping
- Made in the USA

[Options] partial list

- 10,000-rpm Geared-Head Spindle
- Integrated 4th-Axis Rotary Platter
- 50+1 Side-Mount Tool Changer
- High-Speed Machining w/Look-Ahead
- Through-Spindle Coolant Systems
- Ethernet Interface
- Intuitive Programming System
- Wireless Intuitive Probing System



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.

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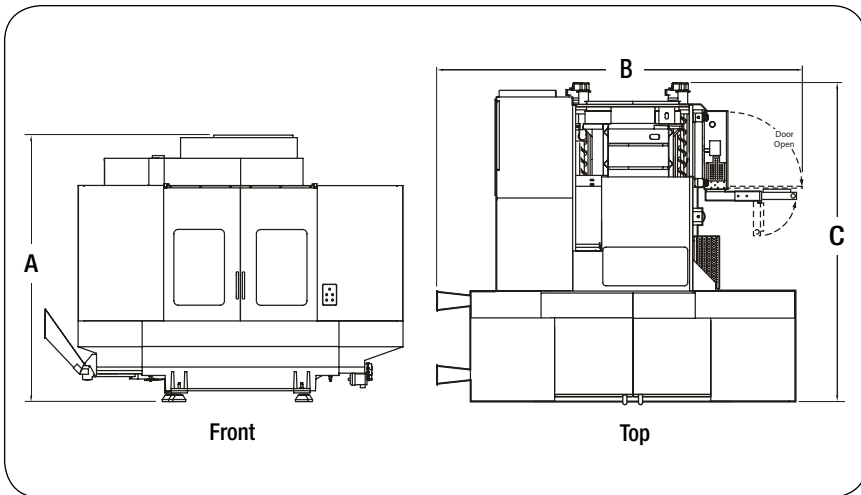
The EC-1600 Series HMCs are rugged 50-taper horizontal machining centers with large work cubes, and a maximum part capacity of 10,000 lb. The EC-1600YZT adds an additional 8" of Z-axis travel to accommodate larger parts and longer tools. Both models are available with an integrated 4th-axis rotary platter.



The EC-1600 and EC-1600YZT are available with a full 4th-axis rotary platter integrated into the T-slot table to provide access to four sides of a part or tombstone. The 30" platter handles parts and fixtures up to 10,000 lb.



The EC-1600 and EC-1600YZT are equipped with a 6000-rpm geared-head 50-taper spindle that provides 450 ft-lb of torque for heavy cutting. For high-speed cutting, a 10,000-rpm geared-head spindle is available.



Operating Dimensions	EC-1600	EC-1600YZT
A. Max Operating Height	122" 3099 mm	122" 3099 mm
B. Max Operating Width	171" 4343 mm	171" 4343 mm
C. Max Operating Depth†	146" 3708 mm	170" 4318 mm

[Specifications]

Travels	EC-1600	EC-1600 YZT
X	64" 1626 mm	64" 1626 mm
Y	50" 1270 mm	50" 1270 mm
Z	32" 813 mm	40" 1016 mm

Table	EC-1600	EC-1600 YZT
Length	64" 1626 mm	64" 1626 mm
Width	36" 914 mm	36" 914 mm
Max Weight on Table	10,000 lb 4536 kg	10,000 lb 4536 kg

Spindle	EC-1600	EC-1600 YZT
Speed	6000	6000
Drive System	Geared Head	Geared Head
Max Torque	450 ft-lb @ 500 rpm 610 Nm @ 500 rpm	450 ft-lb @ 500 rpm 610 Nm @ 500 rpm
Max Rating	30 hp 22.4 kW	30 hp 22.4 kW

Axis Motors	EC-1600	EC-1600 YZT
Max Thrust X & Y Axes	5600 lb 24910 N	5600 lb 24910 N
Z Axis	7500 lb 33362 N	7500 lb 33362 N

Feedrates	EC-1600	EC-1600 YZT
Max Rapids	540 ipm 13.7 m/min	540 ipm 13.7 m/min
Max Cutting	500 ipm 12.7 m/min	500 ipm 12.7 m/min

Tool Changer	EC-1600	EC-1600 YZT
Capacity (opt)	30+1 (50+1)	30+1 (50+1)
Tool Type/Taper	CT or BT 50	CT or BT 50
Max Tool Diameter, full	4.0" 102 mm	4.0" 102 mm
Max Tool Diameter, adj empty	10.0" 254 mm	10.0" 254 mm
Tool to Tool	10.3 sec	10.3 sec
Chip to Chip	12.6 sec	12.6 sec

General	EC-1600	EC-1600 YZT
Power Required (min)	195 - 260 VAC 3-Phase	



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