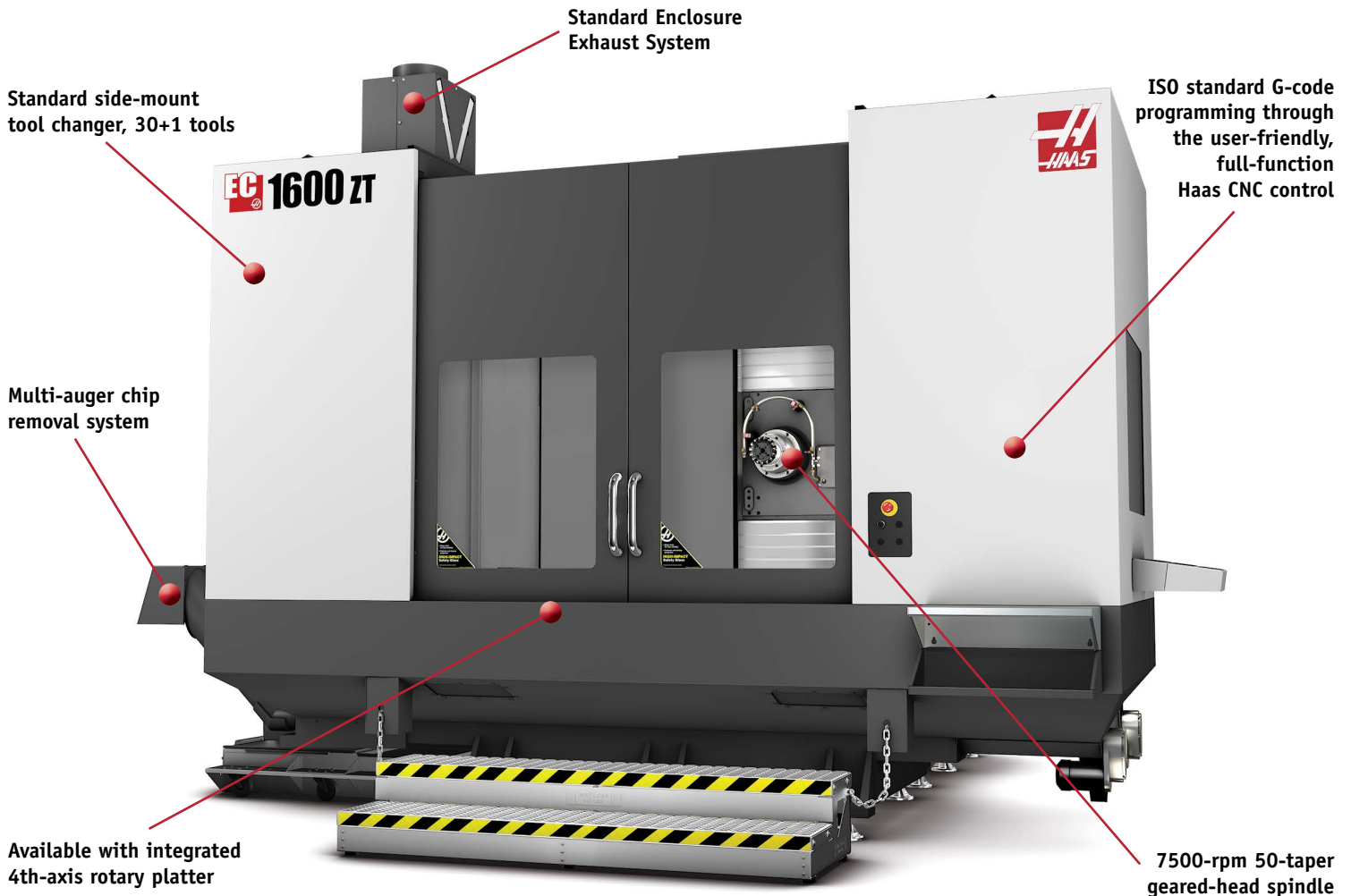


[Special Series]

Haas EC-1600 Series

The Horizontal Machining Center



Warranty: 1 Year Parts and Labor

[Standard Features]

- 7500-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
- Enclosure Exhaust System
- Rigid Tapping
- Made in the USA

[Options] partial list

- 11,000-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. Actual product appearance may differ.

Haas EC-1600 Series

The Horizontal Machining Center



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-1600ZT 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-1600ZT 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-1600ZT are equipped with a 7500-rpm geared-head 50-taper spindle that provides 340 ft-lb of torque for heavy cutting. For high-speed cutting, an 11,000-rpm geared-head spindle is available.

[Specifications]

Travels	EC-1600	EC-1600 ZT
X	64" 1 626 mm	64" 1 626 mm
Y	50" 1 270 mm	50" 1 270 mm
Z	32" 813 mm	40" 1 016 mm

Table	EC-1600	EC-1600 ZT
Length	64" 1 626 mm	64" 1 626 mm
Width	36" 914 mm	36" 914 mm
Max Weight on Table	10,000 lb 4 536 kg	10,000 lb 4 536 kg

Spindle	EC-1600	EC-1600 ZT
Speed	7500	7500
Drive System	Geared Head	Geared Head
Max Torque	340 ft-lb @ 700 rpm 460 Nm @ 700 rpm	340 ft-lb @ 700 rpm 460 Nm @ 700 rpm
Max Rating	30 hp 22.4 kW	30 hp 22.4 kW

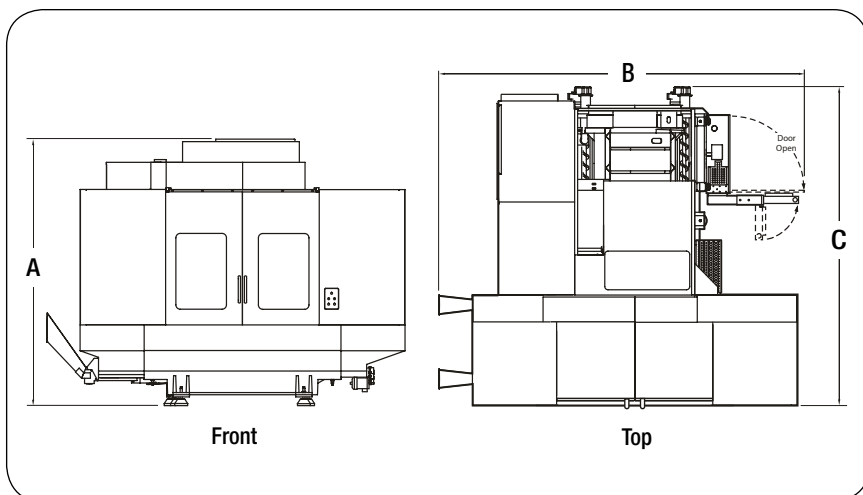
Optional Spindle	EC-1600	EC-1600 ZT
Speed	11,000	11,000
Drive System	Geared Head	Geared Head
Max Torque	250 ft-lb @ 700 rpm 339 Nm @ 700 rpm	250 ft-lb @ 700 rpm 339 Nm @ 700 rpm
Max Rating	30 hp 22.4 kW	30 hp 22.4 kW

Axis Motors	EC-1600	EC-1600 ZT
Max Thrust		
X Axis	4000 lb 17 793 N	4000 lb 17 793 N
Y & Z Axes	8000 lb 35 586 N	8000 lb 35 586 N

Feedrates	EC-1600	EC-1600 ZT
Max Rapids	750 ipm 19.1 m/min	750 ipm 19.1 m/min
Max Cutting	500 ipm 12.7 m/min	500 ipm 12.7 m/min

Tool Changer	EC-1600	EC-1600 ZT
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	8.0 sec	8.0 sec

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



Operating Dimensions	EC-1600	EC-1600ZT
A. Max Operating Height	131.5" 3 340 mm	131.5" 3 340 mm
B. Max Operating Width	92.5" 4 890 mm	92.5" 4 890 mm
C. Max Operating Depth†	158.5" 4 026 mm	178.5" 4 534 mm



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Machines shown with optional equipment.

May 2015