

[ Special Series ]

# Haas EC-1600 Series



## The Horizontal Machining Center

1. Standard side-mount tool changer, 30+1 tools

2. Multi-auger chip removal system

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

4. 6 000-rpm 50-taper geared-head spindle

5. Available with integrated 4th-axis rotary platter



Warranty: 1 Year Parts and Labor

### [ Standard Features ]

- 6 000-rpm 50-Taper Spindle
- 22,4 kW 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 Europe | [www.HaasCNC.com](http://www.HaasCNC.com) | +32 2 522 99 05 | Made in U.S.A.

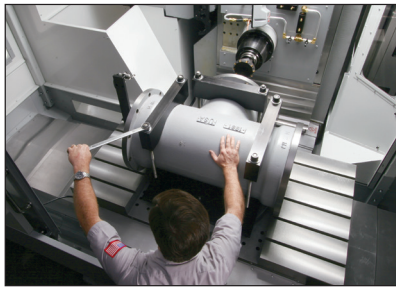
Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment.

# Haas EC-1600 Series

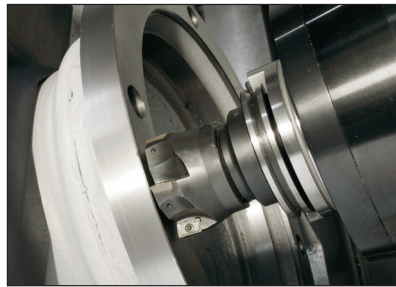


## The Horizontal Machining Center

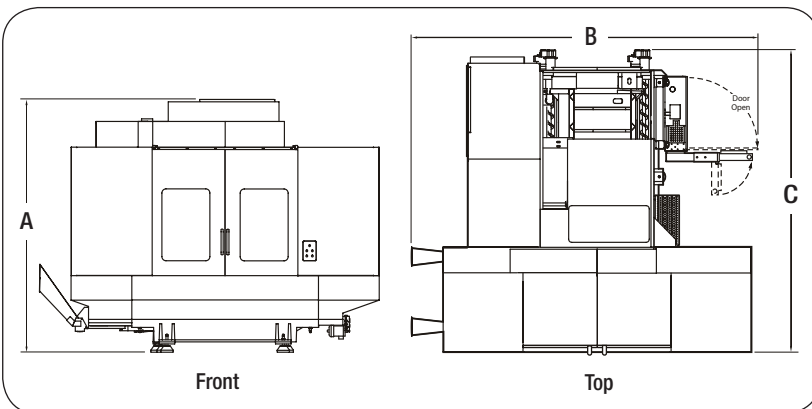
The EC-1600 Series HMCs are rugged 50-taper horizontal machining centers with large work cubes, and a maximum part capacity of 4536 kg. The EC-1600YZT adds an additional 203 mm of Z-axis travel to accommodate larger parts and longer tools. Both models are available with an integrated 4th-axis rotary 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 762 mm platter handles parts and fixtures up to 4536 kg.



The EC-1600 and EC-1600YZT are equipped with a 6000-rpm geared-head 50-taper spindle that provides 610 Nm 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	3 124 mm	3 124 mm
B.	Max Operating Width	4 648 mm	4 648 mm
C.	Max Operating Depth	3 988 mm	4 496 mm

### [ Specifications ]

Travels	EC-1600	EC-1600 YZT
X	1 626 mm	1 626 mm
Y	1 270 mm	1 270 mm
Z	813 mm	1 016 mm

Table		
Length	1 626 mm	1 626 mm
Width	914 mm	914 mm
Max Weight on Table	4 536 kg	4 536 kg

Spindle		
Speed	6 000	6 000
Drive System	Geared Head	Geared Head
Max Torque	610 Nm @ 500 rpm	610 Nm @ 500 rpm
Max Rating	22,4 kW	22,4 kW

Axis Motors		
Max Thrust		
X & Y Axes	24 910 N	24 910 N
Z Axis	33 362 N	33 362 N

Feedrates		
Max Rapids	13,7 m/min	13,7 m/min
Max Cutting	12,7 m/min	12,7 m/min

Tool Changer		
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	102 mm	102 mm
Max Tool Diameter, adj empty	254 mm	254 mm
Tool to Tool	10,3 sec	10,3 sec
Chip to Chip	12,6 sec	12,6 sec

General		
Power Required (min)	354 - 488 VAC 3-Phase	

