

[Special Series]

Haas ST-10 Series Lathes

The High-Performance Turning Centers



±2.0" Y-axis travel for off-center milling,
drilling and tapping

ISO standard G-code programming
through the user-friendly,
full-function Haas CNC control,
or use the optional Intuitive
Programming System

6000-rpm high-speed spindle;
15 hp vector drive

Belt-type chip
conveyor available

Warranty: 1 Year Parts and Labor

[Standard Features]

- 6.5" Hydraulic Chucking System
- 6000-rpm Spindle
- 15 hp Vector Drive
- A2-5 Spindle Nose
- 1.75" Bar Capacity
- 15" Color LCD Monitor w/USB Port
- 1 MB Program Memory
- Rigid Tapping
- Made in the USA

[ST-10]

- 14" x 14" Max Capacity
- 12-Station BOT Turret
- 1200 ipm Rapids

[ST-10Y]

- 9" x 14" Max Capacity
- ±2.0" Y-Axis Travel
- Live Tooling with C Axis
- 12-Station VDI Turret
- 1200 ipm Z-Axis Rapids

[Options] partial list

- Tailstock with Hydraulic Quill
- High-Pressure Coolant Systems
- Automatic Tool Presetter System
- Belt-Type Chip Conveyor
- Ethernet Interface
- Haas Intuitive Programming System
- Servo Bar Feeder
- Parts Catcher



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.

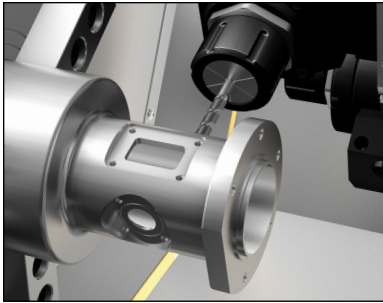
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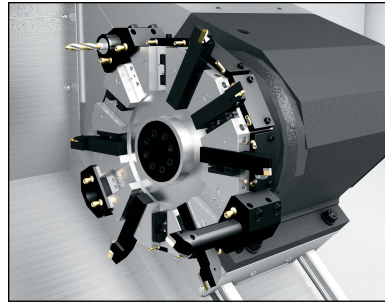


The ST-10 has a small footprint, yet provides a maximum capacity of 14" x 14", with a 16.25" swing over the cross slide. The spindle turns to 6000 rpm, and the 15 hp vector drive system provides 75 ft-lb of cutting torque. A 6.5" hydraulic chucking system and 12-station turret are standard.

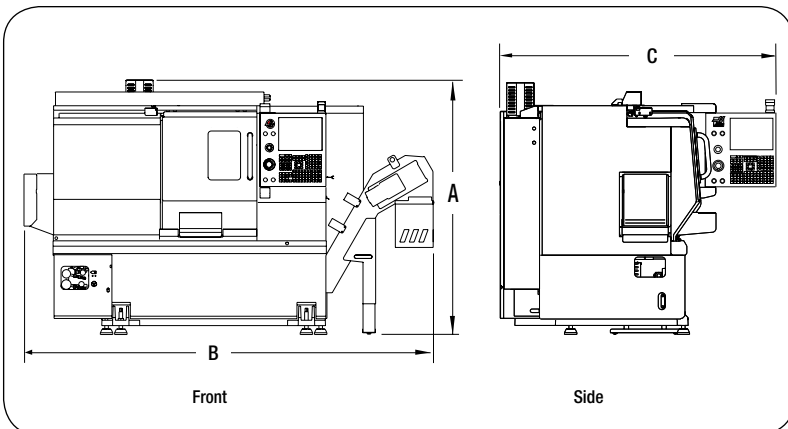
The ST-10Y adds 4" of Y-axis travel ($\pm 2"$ from the centerline) for off-center milling, drilling, and tapping, and comes standard with high-torque live tooling and a servo-driven C axis for versatile 4-axis capability.



The ST-10Y's generous Y-axis travel, high-torque live tooling, and C-axis motion allow multiple operations in a single setup to reduce part handling and increase accuracy.



Both ST-10 models are equipped with a 12-station turret (BOT or VDI) that indexes in 0.5 seconds to reduce cycle times.



Operating Dimensions

ST-10/ST-10Y

A. Max Operating Height	71" 1 803 mm
B. Max Operating Width	120" 3 048 mm
C. Max Operating Depth†	83" 2 108 mm

† With control swung forward. Additional 36" (914 mm) required to open rear service panel.

[Specifications]

Capacities	ST-10	ST-10Y
Chuck Size	6.5" 165 mm	6.5" 165 mm
Max Cutting Dia.	14.0" ¹ 356 mm	9.0" 229 mm
Max Cutting Length without workholding	14.0" 356 mm	14.0" 356 mm
Std. Bar Capacity	1.75" 44 mm	1.75" 44 mm

Spindle

Max Speed	6000 rpm	6000 rpm
Max Motor Rating	15 hp 11.2 kW	15 hp 11.2 kW
Max Torque	75 ft-lb @ 1300 rpm 102 Nm @ 1300 rpm	75 ft-lb @ 1300 rpm 102 Nm @ 1300 rpm
Spindle Nose	A2-5	A2-5
Spindle Bore	Ø2.31" Ø58.7 mm	Ø2.31" Ø58.7 mm

Swing Diameter

Over Front Apron	25.25" 641 mm	25.25" 641 mm
Over Cross Slide	16.25" ² 413 mm	16.25" ² 413 mm
Over Tailstock	23.50" 597 mm	23.50" 597 mm

Travels & Feedrates

X Axis	7.88" 200 mm	7.88" 200 mm
Y Axis	—	$\pm 2.0"$ ± 51 mm
Z Axis	14" 356 mm	14" 356 mm
X-Axis Rapids	1200 ipm 30.5 m/min	472 ipm 12 m/min
Y-Axis Rapids	—	472 ipm 12 m/min
Z-Axis Rapids	1200 ipm 30.5 m/min	1200 ipm 30.5 m/min

General

Power – 3-Phase	195 - 260 V	195 - 260 V
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¹ Max diameter with standard BOT turret; VDI=9.0" (229 mm). ² With Y axis at 0.



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