

[Special Series]

Haas ST-35 Series Lathes



The High-Performance Turning Centers



1. ± 51 mm Y-axis travel for off-center milling, drilling and tapping

2. 3 200-rpm high-torque spindle; 29,8 kW vector drive

3. Fully programmable hydraulic tailstock available

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

5. Belt-type chip conveyor available

Warranty: 1 Year Parts and Labor

[Standard Features]

- 305 mm Hydraulic Chucking System
- A2-8 Spindle Nose
- 3 200-rpm Spindle
- 29,8 kW Vector Drive
- 101,6 mm Bar Capacity
- 15" Color LCD Monitor w/ USB port
- 1 MB Program Memory
- Rigid Tapping
- User-Friendly Haas Control
- Made in the USA

[ST-35]

- 533 x 660 mm Max Capacity
- 29,8 kW Vector Drive
- 3 200-rpm Spindle
- 12-Station BOT Turret

[ST-35Y]

- 457 x 584 mm Max Capacity
- ± 51 mm Y-Axis Travel
- 6 000-rpm Live Tooling with C Axis
- 12-Station BOT/VDI Turret

[Options] *partial list*

- Two-Speed Gear-Drive Spindle
- Programmable Hydraulic Tailstock
- High-Pressure Coolant Systems
- Automatic Tool Presetter System
- Belt-Type Chip Conveyor
- Servo Auto Door
- Ethernet Interface
- Haas Intuitive Programming System
- Haas Bar Feeder



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. Machines shown with optional equipment.

Haas ST-35 Series Lathes

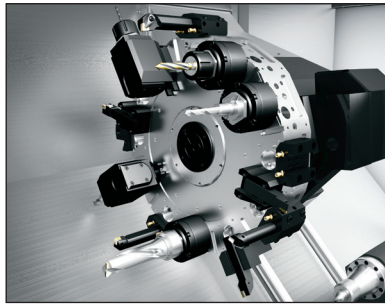
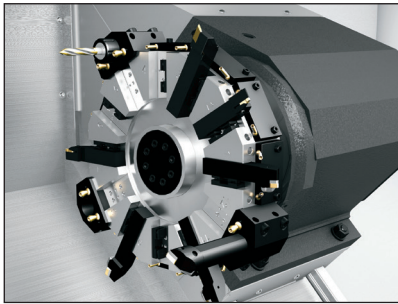


The High-Performance Turning Centers

The ST-35 is a mid-size big-bore lathe with a generous 533 x 660 mm maximum capacity, a 102 mm bore, and a 527 mm swing over the cross slide. The spindle turns to 3 200 rpm, and the 29,8 kW vector drive system provides 576 Nm of cutting torque. A 305 mm hydraulic chucking system and 12-station turret are standard.

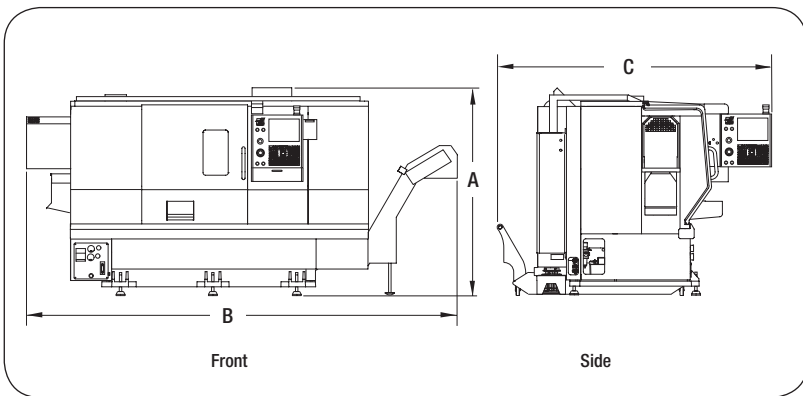
The ST-35Y has a 457 x 584 mm maximum capacity, and adds 101 mm of Y-axis travel (± 51 mm from the centerline) for off-center milling, drilling, and tapping. It comes standard with 6 000-rpm live tooling and a servo-driven C axis for versatile 4-axis capability.

Both machines are available with a 2-speed gear-drive spindle that yields 1400 ft-lb of cutting torque, and spins to 2400 rpm.



The ST-35 is equipped with a 12-station bolt-on style turret, with options for a 12-station VDI turret or a 12-station hybrid BOT/VDI turret.

The ST-35Y is equipped with a 12-station hybrid BOT/VDI turret that accepts BOT tools, 19 mm OD tools and VDI 40 tools.



Operating Dimensions		ST-35/ST-35Y
A.	Max Operating Height	2 108 mm
B.	Max Operating Width*	4 521 mm
C.	Max Operating Depth**	3 048 mm

** With gearbox option, add 305 mm.
 ***With control swung forward and coolant tank in place. Additional 381 mm required to open rear service panel.

[Specifications]

Capacities	ST-35	ST-35Y
Chuck Size	305 mm	305 mm
Max Cutting Dia ¹	533 mm ¹	457 mm
Max Cutting Length	660 mm	584 mm
Std. Bar Capacity	102 mm	102 mm
Spindle Nose	A2-8	A2-8
Spindle Bore	Ø117,3 mm	Ø117,3 mm

Spindle		
Max Speed	3 200 rpm	3 200 rpm
Max Motor Rating	29,8 kW	29,8 kW
Max Torque	576 Nm @ 325 rpm	576 Nm @ 325 rpm
Drive System	belt drive	belt drive

Optional Spindle		
Max Speed	2 400 rpm	2 400 rpm
Max Motor Rating	29.8 kW	29.8 kW
Max Torque	1 898 Nm @ 150 rpm	1 898 Nm @ 150 rpm
Drive System	2-speed gearbox	2-speed gearbox

Swing Diameter		
Over Front Apron	806 mm	806 mm
Over Cross Slide	527 mm	527 mm
Over Tailstock	584 mm	584 mm

Travels & Feederates		
X Axis	318 mm	318 mm
Y Axis	--	± 51 mm
Z Axis	660 mm	584 mm
X-Axis Max Thrust	18 238 N	18 238 N
Y-Axis Max Thrust	--	10 231 N
Z-Axis Max Thrust	22 686 N	22 686 N
X-Axis Rapids	24,0 m/min	12 m/min
Y-Axis Rapids	--	12 m/min
Z-Axis Rapids	24,0 m/min	24,0 m/min

General		
Power – 3-phase	354 - 488 V	354 - 488 V

¹ Max diameter varies with turret. VB=457 mm ; VDI=457 mm

