

[ Special Series ]

# Haas ST-20 Series Lathes



## The High-Performance Turning Centers

4 000-rpm high-torque spindle;  
14,9 kW vector drive

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



5 000-rpm high-speed spindle;  
22,4 kW vector dual drive

Fully programmable  
hydraulic tailstock available

Belt-type chip conveyor available

Warranty: 1 Year Parts and Labor

### [ Standard Features ]

- 210 mm Hydraulic Chucking System
- A2-6 Spindle Nose
- 51 mm Bar Capacity
- 15" Color LCD Monitor
- Built-In USB Port
- 1 MB Program Memory
- Rigid Tapping
- User-Friendly Haas Control
- Made in the USA

### [ ST-20 ]

- 330 x 533 mm Max Capacity
- 4 000-rpm Spindle
- 14,9 kW Vector Drive
- 12-Station BOT Turret

### [ ST-20SS ]

- 254 x 533 mm Max Capacity
- 5 000-rpm Spindle
- 22,4 kW Vector Drive
- 24-Station BOT/VDI Turret

### [ Options ] partial list

- Programmable Hydraulic Tailstock
- Live Tooling with C Axis
- High-Pressure Coolant Systems
- Automatic Tool Presetter System
- Belt-Type Chip Conveyor
- Ethernet Interface
- Haas Intuitive Programming System
- Servo Bar Feeder



Haas Automation Europe | [www.HaasCNC.com](http://www.HaasCNC.com) | +32 2 522 99 05 | Made in U.S.A.

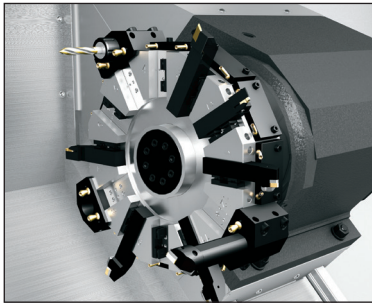
Specifications subject to change without notice. Not responsible for typographical errors. Machines shown with optional equipment.

# Haas ST-20 Series Lathes

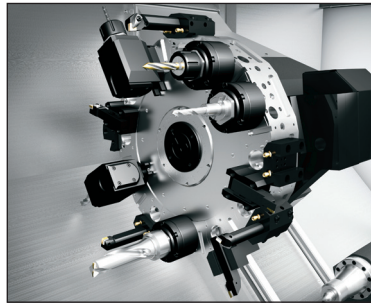


## The High-Performance Turning Center

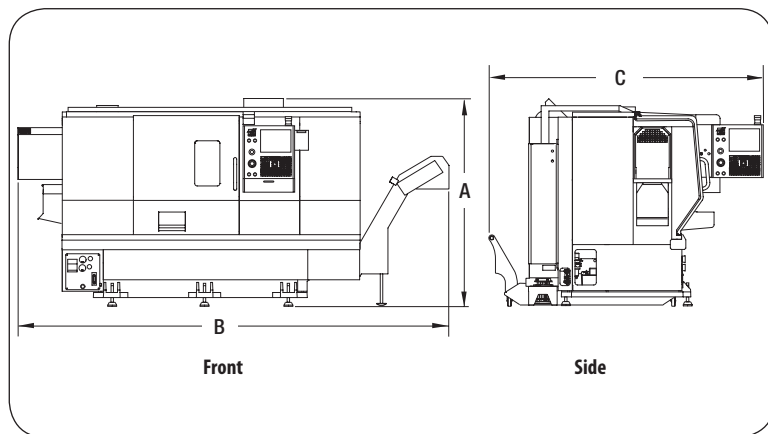
The Haas ST-20 Series high-performance turning centers were designed from the ground up to provide set-up flexibility, extreme rigidity, and high thermal stability. Available in standard and Super Speed models, these 210 mm chuck machines offer the most performance for the money – the best value – in their class. With available high-torque live tooling and C axis, it's possible to machine multiple features and perform secondary operations in a single setup.



The ST-20 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-20SS is equipped with a 24-station hybrid turret that accepts BOT tools, 19 mm OD tools and VDI 40 tools.



### [ Specifications ]

Capacities	ST-20	ST-20SS
Chuck Size	210 mm	210 mm
Max Cutting Dia. <sup>1</sup>	330 mm <sup>1</sup>	254 mm
Max Cutting Length without workholding	533 mm	533 mm
Std. Bar Capacity	51 mm	51 mm

#### Spindle

Max Speed	4 000 rpm	5 000 rpm
Max Motor Rating	14,9 kW	22,4 kW
Max Torque	203 Nm @ 500 rpm	190 Nm @ 1450 rpm
Spindle Nose	A2-6	A2-6
Spindle Bore	88,9 mm	88,9 mm

#### Swing Diameter

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

#### Travels & Feedrates

X Axis	236 mm	236 mm
Z Axis	533 mm	533 mm
X-Axis Max Thrust	18 238 N	18 238 N
Z-Axis Max Thrust	22 686 N	18 051 N
X-Axis Rapids	24,0 m/min	24,0 m/min
Z-Axis Rapids	24,0 m/min	30,5 m/min

#### General

Power – 3-phase	354 - 488 VAC	354 - 488 VAC
-----------------	---------------	---------------

<sup>1</sup> Max diameter with VDI turret (VB=310 mm; BOT= 382 mm).

#### Operating Dimensions

#### ST-20/ST-20SS

A. Max Operating Height	1 956 mm
B. Max Operating Width	4 191 mm
C. Max Operating Depth*	2 921 mm

\*With control swung forward and coolant tank in place. Additional 508 mm required to open rear service panel.



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