Haas / Haas F1 Team
OFFICIAL MACHINE TOOL

LARGE-CAPACITY
ST SERIES
LATHES

ST 55

ST 40

40-55

LARGE MACHINES FOR LARGE PARTS

Big parts are big business, and these large-capacity machines have the high-torque spindles and large through-bores necessary to handle the big jobs commonly found in the oil & gas, alternative energy, mining, and aerospace industries.

AVAILABLE LARGE-CAPACITY MODELS:

ST-40
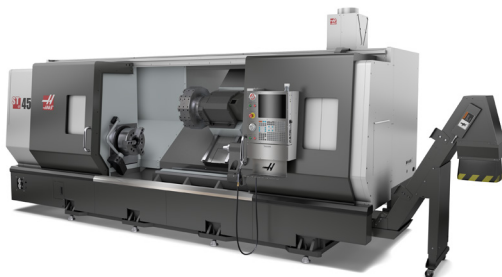25.5" x 44" (max cap)
Ø 4.0" Bar
A2-8 Spindle Nose

15"
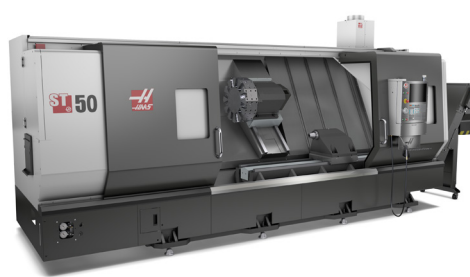

ST-40L
25.5" x 80" (max cap)
Ø 4.0" Bar
A2-8 Spindle Nose
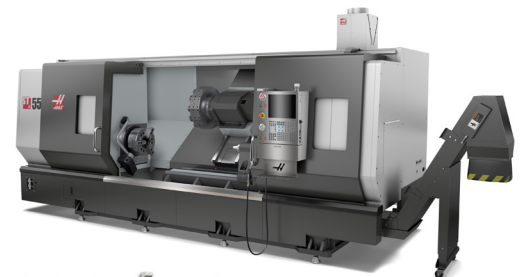
15"

ST-45
25.5" x 44" (max cap)
Ø 7.0" Bore
A2-11 Spindle Nose

18"

ST-45L
25.5" x 80" (max cap)
Ø 7.0" Bore
A2-11 Spindle Nose

18"

ST-50
25.5" x 80" (max cap)
Ø 8.5" Bore
A2-15 Spindle Noses

Front and rear spindle noses – dual-chuck capability on the **ST-50** and **ST-55** models.

ST-55
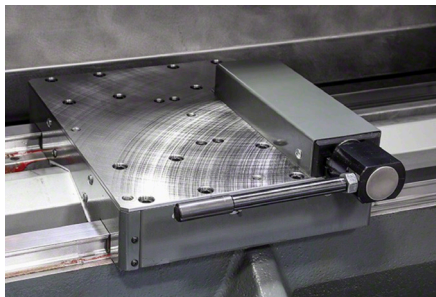25.5" × 80" (max cap)
Ø 12.5" Bore
A1-20 Spindle Noses

Haas Automation, Inc.
Large-Capacity Lathes
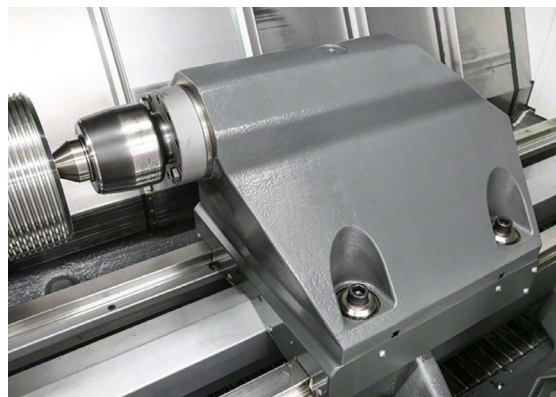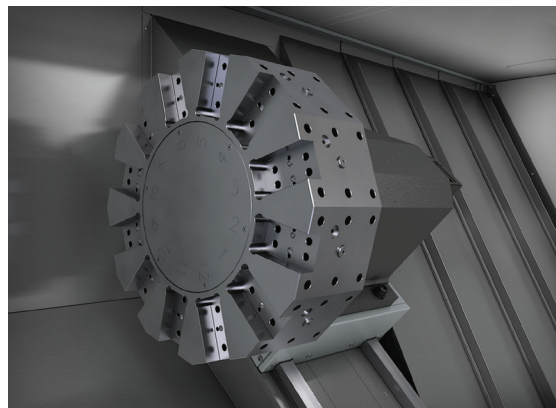
SUPPORT WHEN IT MATTERS MOST

These heavy-duty, large-bore turning centers offer the right workholding and support for long and heavy workpieces.

12-Station Bolt-On Tool Turret – 7.25" thick; accepts 1.25" turning tools and BOT toolholders, including split boring-bar holders.

Fully Programmable Servo-Driven Tailstock – can be activated via the part program, or controlled directly with the standard foot switch. Features an MT5 or MT6 taper, depending on model, and provides up to 4500 lb of thrust.

Steadyrest Provision – provides the necessary mounting platform and hydraulic lines to install an aftermarket manual or automatic steadyrest to provide increased support for turning long shafts.

Rear Chuck Capability

- Provides easy access to the rear spindle face
- Coolant collection tray in the rear access area
- Spindle noses accept manual & pneumatic chucks
- No workholding included or available with ST-50 or ST-55

FRONT AND REAR SPINDLE NOSES FOR DUAL-CHUCK CAPABILITY

The ST-50 features front and rear A2-15 spindle noses, with an 8.5" through-bore, while the ST-55 features front and rear A1-20 spindle noses, with a massive 12.5" through-bore. Both machines accept a variety of aftermarket large-diameter manual and pneumatic chucks, and an air-chuck-ready provision is available.

95-Gallon Coolant Tank with 3/4 hp pump; flows 5.25 gpm @ 30 psi, and features a multi-section labyrinth design that prevents chips from reaching the coolant pump.

Heavy-duty steel belt-type chip conveyor

Remove chips quickly with minimal coolant carryout. Ideal for high-production machining, or when machining hard or abrasive materials

Extended Tool Pocket; provides clearance for long drills or boring bars when the turret is closest to the chuck.

IT'S EASIER – WITH PICTURES, VIDEOS, AND GRAPHICS.

THE HAAS CONTROL– Designed, built, and programmed by Haas.

The Haas control – hardware and software – is designed and built in-house, and optimized specifically for Haas machine tools. If there is a problem – Haas Automation takes full responsibility for the entire machine. The Haas control is easy to learn and use, and it is the same across the entire product line. Haas machines are also used extensively in educational institutions around the world, so graduating students are already familiar with the Haas control, which makes finding new operators and programmers easier, and simplifies training.
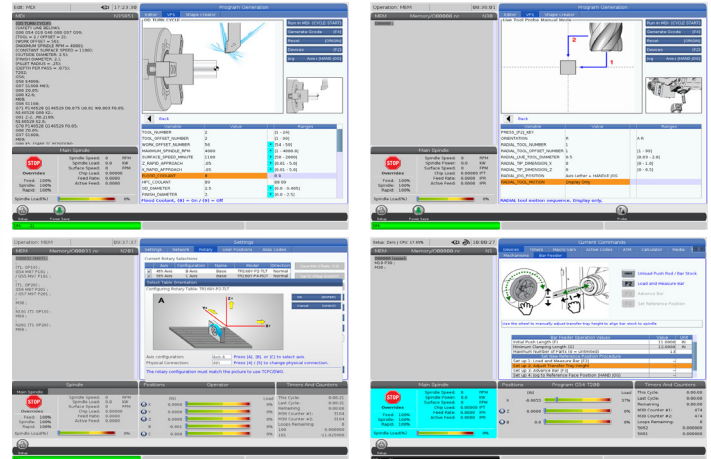
STANDARD CONTROL FEATURES:

- Dedicated Keypad
- One-Button Features
- Multi-Function Jog Handle
- 15" Color LCD Screen
- Ethernet Interface
- USB Port
- Advanced Tool Management

- 1 GB Memory
- Power-Failure Detection Module
- M130 Media Player
- HaasConnect Mobile Monitoring
- WiFi Connectivity

VISUAL PROGRAMMING SYSTEM

The Haas Visual Programming System uses graphical templates and a form-like interface to help you quickly create G-code programs for not only basic part features, but also more complex operations, like Y-axis milling/drilling, probing, and more. Simply define the feature in the template, and VPS then outputs working G-code at the touch of a button. VPS also includes a custom template generator, so you can create templates for your own part features or frequently used programs.

M130 MEDIA DISPLAY

The Haas M130 Media Display M-Code is a powerful tool for communicating with machine operators and programmers directly from the Haas control. Use M130 to call up setup instructions, tool lists, part images, manufacturing information, and more. When the program reaches an M130, the specified media (image, video, or PDF) will be displayed in the upper right corner of the control screen.

- Explain difficult-to-understand secondary operations, using pictures and videos
- Avoid miscommunications with your shop peers
- Describe step-by-step part inspection processes
- Share important setup information with shop personnel

ALARM VIDEOS

When your machine alarms out, the first thing you want to know is: Why? The Haas control not only includes fully descriptive alarm text explaining the problem, but for many common alarms, it also includes short videos explaining the alarm, and providing valuable troubleshooting tips to resolve the issue.

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MAKE THE CONNECTION WITH HAASCONNECT

Get your machine status notifications anywhere, on any device! The Haas Control has the ability to send you, and others you designate, email notifications about the operating status of your Haas machine. Set up is simple and easy through the MyHaas Portal and HaasCNC.com.