TOTALLY REDESIGNED

- New castings – rigid structure, compact footprint
- 11% smaller footprint
- Larger spindle bore (ST-20/Y)
- Increased Z-axis travel

ALL-NEW
ST-20/25 Series

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHUCK</th>
<th>BAR</th>
<th>RPM</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-20/Y</td>
<td>8.3&quot;</td>
<td>2.5&quot;</td>
<td>4k</td>
<td>20 hp</td>
</tr>
<tr>
<td>ST-25/Y</td>
<td>10&quot;</td>
<td>3.0&quot;</td>
<td>3.4k</td>
<td>30 hp</td>
</tr>
</tbody>
</table>
IMPROVED
WITH YOU IN MIND

LARGER BORE SIZE:
Increased size = 2.5" (63.5 mm)
Previous ST-20/Y = 2.0" (51 mm)
(ST-25/Y remains at 3.0" [76 mm])

APL Part Management – Part management on the APL table is done using one of three included templates. Various part shapes – such as round, hex, and square – can be loaded, and grippers can be adjusted or modified to best fit your parts.

Easy-to-Use APL Interface – Our easy-to-use APL interface uses simple, step-by-step instructions to help the operator “teach” the APL the correct positions for picking up, loading, and unloading parts.

LOADING AND UNLOADING PARTS FOR UNATTENDED MACHINING

Our Automatic Parts Loader is a simple and affordable way to automate part production and boost productivity on Haas turning centers. It is designed and built exclusively for use on ST-10 through ST-25 turning centers, and connects directly to the Haas control.

- **All-inclusive design**, with plug-and-play capabilities
- **Interfaces directly** with the Haas control
- Accommodates parts up to 05.8" x 5" x 10 lb (Ø147 x 127 mm x 4.5 kg)
- Includes light curtain for safe operation

**Work Envelope**
- **22.5" Z-Axis Travel** (572 mm)
  - 1.5" (38 mm) MORE Z-Travel
- **15" Max Cutting Diameter** (381 mm)
- **22.5" Max Cutting Length** (572 mm)

**Auto Door: Standard**
- Minimize operator fatigue
- Reliable drive system
- Opens with an M-Code or push button

**Load Parts Easier**
- Reduced distance to the chuck
- Distance = 12" (305 mm)

* 11.75" (298 mm) for Y models and BMT65 turret.
** Max cutting length varies with workholding.
A2-5 FINISHING SUB-SPINDLE

Our finishing sub-spindle will not only make you more productive, but also will provide new options for finishing the 2nd-op side of your parts.

This affordable A2-5 spindle is equipped with a 5.3" (135 mm) hydraulic chuck, and will fully synchronize with the main spindle to provide effortless “in-cycle” part handoff. This allows you to finish both sides of your part in a single setup – simply load your raw workpiece, and the next time you open the door, you’ll have a finished part.

A built-in part ejector propels the finished part into the optional parts catcher for automated operation.

Note: Not compatible with the tailstock option.

LATHE TURRETS

Increased Wedge Angle

A steeper wedge angle provides a more compact footprint, and better chip flow.

BOT TURRET STD
- Super-rigid mounting of turning tools and boring bars.
- Industry-standard bolt-on toolholders around the perimeter, and radial slots on the face

BMT65-12 TURRET OPT
- Industry-standard BMT65 tooling connections
- Provides additional clearance for tailstock operations
- Increases setup flexibility
- Includes tooling kit

BMT65-12 TURRET STD on Y Models
- Industry-standard BMT65 tooling connections
- Provides additional clearance for tailstock operations
- Increases setup flexibility
- Includes tooling kit

VDI TURRET STD in EU
- 12-station VDI40
- Accepts live-tooling heads (with the live tooling option)
- Single locking wedge secures the toolholders in the turret for quick, easy setups

BMT65-24 OPT
- Half-station indexing increases your available tool stations to 24
- Increases setup flexibility
- Includes tooling kit, with half-index holders

BMT65-24 OPT
- Half-station indexing
- Industry-standard BMT65 tooling connections
- Significantly increases the turret tooling capacity
- Increases setup flexibility
- Includes tooling kit, with half-index holders

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

www.HaasCNC.com
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.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Capacities</th>
<th>ST-20</th>
<th>ST-20Y</th>
<th>ST-25</th>
<th>ST-25Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chuck Size</td>
<td>8.3&quot; (210 mm)</td>
<td>8.3&quot; (210 mm)</td>
<td>10&quot; (254 mm)</td>
<td>10&quot; (254 mm)</td>
</tr>
<tr>
<td>Max Cutting Dia. (BOT turret)</td>
<td>15&quot; (381 mm)</td>
<td>—</td>
<td>15&quot; (381 mm)</td>
<td>—</td>
</tr>
<tr>
<td>Max Cutting Dia. (BMT65 turret)</td>
<td>11.75&quot; (298 mm)</td>
<td>11.75&quot; (298 mm)</td>
<td>11.75&quot; (298 mm)</td>
<td>11.75&quot; (298 mm)</td>
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<tr>
<td>Max Cutting Length (varies w/workholding)</td>
<td>22.5&quot; (572 mm)</td>
<td>22.5&quot; (572 mm)</td>
<td>22.5&quot; (572 mm)</td>
<td>22.5&quot; (572 mm)</td>
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<tr>
<td>Bar Capacity</td>
<td>21&quot; (533 mm)</td>
<td>21&quot; (533 mm)</td>
<td>21&quot; (533 mm)</td>
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<table>
<thead>
<tr>
<th>Turret</th>
<th></th>
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<tbody>
<tr>
<td>Type Std (Opt)</td>
<td>BOT (VDI, BMT65)</td>
<td>BMT65</td>
<td>BOT (VDI, BMT65)</td>
<td>BMT65</td>
</tr>
<tr>
<td>Number of Tools</td>
<td>12 std / 24 opt</td>
<td>12 std / 24 opt</td>
<td>12 std / 24 opt</td>
<td>12 std / 24 opt</td>
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<tr>
<td>Live Tooling</td>
<td>4k opt / 6k opt</td>
<td>4k std / 6k opt</td>
<td>4k opt / 6k opt</td>
<td>4k std / 6k opt</td>
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</table>

<table>
<thead>
<tr>
<th>Spindle</th>
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<tbody>
<tr>
<td>Max Speed</td>
<td>4000 rpm</td>
<td>4000 rpm</td>
<td>3400 rpm</td>
<td>3400 rpm</td>
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<tr>
<td>Max Motor Rating</td>
<td>20 hp (14.9 kW)</td>
<td>20 hp (14.9 kW)</td>
<td>30 hp (22.4 kW)</td>
<td>30 hp (22.4 kW)</td>
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<tr>
<td>Spindle Nose</td>
<td>A2-6</td>
<td>A2-6</td>
<td>A2-6</td>
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</table>

<table>
<thead>
<tr>
<th>Travels</th>
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<tbody>
<tr>
<td>X Axis</td>
<td>8.4&quot; (213 mm)</td>
<td>8.4&quot; (213 mm)</td>
<td>8.4&quot; (213 mm)</td>
<td>8.4&quot; (213 mm)</td>
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<tr>
<td>Y Axis</td>
<td>—</td>
<td>±2&quot; (±51 mm)</td>
<td>—</td>
<td>±2&quot; (±51 mm)</td>
</tr>
<tr>
<td>Z Axis</td>
<td>22.5&quot; (572 mm)</td>
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