Operating Dimensions

- Operating Height: 123.6in (3140mm)
- Conveyor Discharge: 45.2in (1147mm)
- Table Height: 33.7in (856mm)
- Operating Depth: 3.5in (89mm) (Recommended)
- Operating Width: 141.8in (3601mm)
- Operating Depth: 134.4in (3415mm)

Shipping Dimensions

Coming soon. Please contact Products@Haascnc.com if this information is needed urgently

All dimensions based on stackup of sheetmetal, subject to variation of 1/2" (13 mm)

*Due to continual product improvements, machine dimensions are subject to change without notice.
All dimensions based on stackup of sheetmetal, subject to variation of 1/2" (13 mm)

**Note** - Machine must be placed on one continuous concrete slab. Slab should extend 12in [305mm] beyond anchor holes in all directions

**Anchor Pattern**

- 31.7in [806mm] (Ref)
- 30.2in [768mm]
- 30.2in [768mm]
- 30.2in [768mm]
- 34.0in [864mm] (Ref)
- 34.0in [864mm]
- 23.3in [593mm]
- 60.8in [1544mm] (Ref)
- 39.3in [999mm]

**Anchor Hole Detail**

- Ø1.0in [25mm]
- 3.5in [90mm]

*Due to continual product improvements, machine dimensions are subject to change without notice.*
**Height Breakdown**

All dimensions based on stackup of sheetmetal, subject to variation of 1/2" (13 mm)

**Width Breakdown**

All dimensions based on stackup of sheetmetal, subject to variation of 1/2" (13 mm)

*Due to continual product improvements, machine dimensions are subject to change without notice.*
Table

<table>
<thead>
<tr>
<th>Minimum Mounting Ø</th>
<th>9.920 in [252mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platter Ø</td>
<td>19.7 in [500mm]</td>
</tr>
<tr>
<td>Minimum Mounting Ø</td>
<td>8.18 in [208mm]</td>
</tr>
</tbody>
</table>

Note

1. (10x) Phantom holes are not available to use for part fixturing.
2. It is possible to route a hydraulic or pneumatic hose thru the trunnion to center of the platter to accommodate automatic workholding with the following considerations:
   1. A sealed rotary union must be used. The center bore leads directly to the trunnion cavity. An unsealed union will allow coolant and chips to penetrate the interior and cause damage.
   2. From the factory there is a plug installed. The plug should be knocked out thru the bottom of the trunnion, or drilled thru to accommodate the sealed union.
   3. The hoses should be sufficiently retained such that they do not interfere with any other components.

Tool Changer

<table>
<thead>
<tr>
<th>Drop Down During Tool Change</th>
<th>4.5 in [114mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z Height at Tool Change</td>
<td>21.5 in [546mm]</td>
</tr>
<tr>
<td>Z Height</td>
<td>4.0 in [101mm]</td>
</tr>
</tbody>
</table>

Note - See solid model for tool changer maximum interference sweep.
**X&Y-Axis Clearance**

**Z-Axis Clearance**

**Table Rotation**

*Due to continual product improvements, machine dimensions are subject to change without notice.*
Clearance at B90

Z Axis Clearance available at B90 for Side Mounted Vise

12.75in [324mm]

Maximum recommended Swing Ø*

(Tool Length + Workpiece Height) ≤ 23.0in [585mm]

Maximum Combined Height*

8.4in [212mm] Side Vise pad

7.6in [192mm] Pad size and X Axis travel available at B90 for side mounted vise from bottom of platter

26.0in [660mm] Maximum recommended Swing Ø*

*Note - Maximum height and swing apply to B0 orientation only. Large workpieces, including ones within the stated work envelope, may interfere with other machine components as the tilt angle increases. If your part is larger than 20.0in [500mm] diameter or taller than 18in [460mm] it is recommended to review your application’s suitability with your local HFO Applications team

*Due to continual product improvements, machine dimensions are subject to change without notice.
Minimum distance required to remove conveyor from mill 85" (2159 mm)

Note:
- Electrical Connection
- Air Connection

Note:
- Foundation must extend at least 12" (305 mm) from bored holes.

Operating Dimensions

- The roof is a standard feature as of Q1 2018

Anchor Pattern

Due to continual product improvements, machine dimensions are subject to change without notice.
Machine Clearance Dimensions

UMC-750P Table Dimensions

UMC-750/SS Table Dimensions

*Due to continual product improvements, machine dimensions are subject to change without notice.*
Notes:
1. Spindle head at max X and Y travels.
2. Measurements are from the edge of mill table to nearest obstruction (ie. enclosure, door, etc.).
3. Probe
4. (3X) Lifting Points

Machine Travels

<table>
<thead>
<tr>
<th>Axis</th>
<th>Max Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>30 in (762 mm)</td>
</tr>
<tr>
<td>Y</td>
<td>20 in (508 mm)</td>
</tr>
<tr>
<td>Z</td>
<td>20 in (508 mm)</td>
</tr>
<tr>
<td>B</td>
<td>-35, +110 deg</td>
</tr>
<tr>
<td>C</td>
<td>360 deg</td>
</tr>
</tbody>
</table>

B-Axis Work Envelope

Enclosure Work Space

Max Weight Capacity

660 lb (300 kg)

*Due to continual product improvements, machine dimensions are subject to change without notice.*
20" (508 mm) Spindle Head Clearance at max B-Axis Travels

20" (508 mm) Spindle Head Clearance at max B-Axis Travels

To Center of B-Axis Rotation
Max B-Axis rotation is ±45°

6" (152.4 mm) Max Part Radius

11" (279 mm) Max X-Axis Travel at center of spindle

14" (355 mm) Max Part Length

This view shows the spindle head clearance with a 2" (50.8 mm) long tool, which is 3" (76.2 mm) above the minimum clearance

*Due to continual product improvements, machine dimensions are subject to change without notice.*
Notes:
1. Double arm swings down 4.5" (114 mm).
2. Double arm swing diameter.
3. Overall length of arm.

40 Taper 40+1 Side-Mount Tool Changer Double Arm Work Envelope

Programmable Coolant (P-Cool)

** The UMC-750P’s table is 1" (25.4 mm) shorter than the standard table, clearance is 5-25" (127-635 mm)

*Due to continual product improvements, machine dimensions are subject to change without notice.*