Machine Layout Drawing - UMC-750/SS/P

Anchor Pattern

Minimum distance required to remove conveyor from mill 85" (2159 mm)

Note: The roof is a standard feature as of Q1 2018

Foundation must extend at least 12" (305 mm) from bored holes.
Machine Clearance Dimensions

UMC-750P Table Dimensions

UMC-750/SS Table Dimensions
Notes:
1. Spindle head at max X and Y travels.
2. Measurements are from the edge of mill table to nearest obstruction (i.e. enclosure, door, etc.).
3. Probe
4. (3X) Lifting Points

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

Max Part/Workholding capacity as defined by full B-axis rotation (Sheet metal removed for clarity)

Max Weight Capacity 660 lb (300 kg)
Spindle Head Clearance at max B-Axis Travels

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

Max Part Radius
11" (279 mm)

Max X-Axis Travel
24.5" (622 mm)

Max Part Length
24.5" (622 mm)

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.

UMC-750P Table/Rotary Dimensions
40 Taper 40+1 Side-Mount Tool Changer Double Arm Work Envelope

Notes:
1. Double arm swings down 4.5" (114 mm).
2. Double arm swing diameter.
3. Overall length of arm.

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

Spindle Head Clearances