SECTION CONTENT

Power Turntable
Manual Turntable
Low Profile Manual Turntable
Optional Equipment and Devices
WHY TT?
- Provide directional change without changing product orientation
- Manual or Powered Turntables rotate to the desired angle required for your application
- One of the lowest heights in the industry
- Easily equipped with a conveyor deck
- Transition roller packages allow smooth transitions between conveyor and turntable
- Adjacent conveyor can be modified to accept to nest turntable
- Common applications include palletizing, filling, load staging, robotic cells, stretch wrapping, strapping and transportation

### PTT POWER TURNTABLE

<table>
<thead>
<tr>
<th>CAPACITY (lbs.)</th>
<th>OUTER DIAMETER MAXIMUM (in.)</th>
<th>TOP PLATE THICKNESS (in.)</th>
<th>MINIMUM TOP OF TABLE Drive Under (in.)</th>
<th>Drive External (in.)</th>
<th>SUPPORT BEARING</th>
<th>DRIVE CHAIN</th>
<th>HORSEPOWER (HP)</th>
<th>STANDARD SPEED AT OUTER DIAMETER (FPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>60</td>
<td>3/8</td>
<td>12</td>
<td>7 1/2</td>
<td>Yoke Roller</td>
<td>RC50</td>
<td>1/3</td>
<td>30</td>
</tr>
<tr>
<td>3500</td>
<td>84</td>
<td>1/2</td>
<td>14</td>
<td>8 1/4</td>
<td>Heavy Duty Yoke Roller</td>
<td>RC60</td>
<td>1/2</td>
<td>30</td>
</tr>
<tr>
<td>5000</td>
<td>102</td>
<td>5/8</td>
<td>16</td>
<td>10 3/4</td>
<td>Heavy Duty Yoke Roller</td>
<td>RC80</td>
<td>3/4</td>
<td>30</td>
</tr>
<tr>
<td>7500</td>
<td>120</td>
<td>3/4</td>
<td>16 1/4</td>
<td>11 1/2</td>
<td>Heavy Duty Yoke Roller</td>
<td>RC80</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>7500</td>
<td>120</td>
<td>1</td>
<td>14 1/2</td>
<td>12 3/4</td>
<td>Rotary Bearing</td>
<td>RC80</td>
<td>3/4</td>
<td>30</td>
</tr>
<tr>
<td>10000</td>
<td>120</td>
<td>1/2</td>
<td>20</td>
<td>18</td>
<td>Rotary Bearing</td>
<td>RC100</td>
<td>1</td>
<td>20</td>
</tr>
</tbody>
</table>

Additional capacities and sizes are available.
Lower table heights may be available.

### STANDARD SPECIFICATIONS

**STANDARD DIAMETER** - Up to 120°

**BASE FRAME** - Structural channel or tube provides rigid support for table top

**TOP PLATE** - Rigid, flat sheet top plate provides clean work surface. Turntables can be equipped with a conveyor deck per customer specifications.

**CONSTRUCTION** - Welded frames, spreaders

**ROTATION** - Standard table rotations of 90°, 180°, 270° and 360°. Other rotations are available upon request.

**BRAKE MOTOR** - 1/2 HP through 5 HP, 1750 RPM, C-face, 208-230-460V/3PH/60Hz, TEFC

**REDUCER** - Sealed, worm gear, C-face

**TORQUE LIMITERS** - Torque limiters protect machinery from damage due to unexpected overload conditions. Driven center member slips on nonasbestos friction discs during extraordinary loads on the driveline. Torque limiters automatically reset when the overload condition is relieved.

**STOPS** - Adjustable rubber bumper stops where applicable on powered units allow positioning of table top and absorb shock upon stopping

**SUPPORTS** - Structural steel, integrated into the turntable base, adjustable jackbolt feet

**FINISHES** - Powder coat finish standard. Wet spray available.

Expanded product parameters available. For more information see Tech Handbook.
MANUAL TURNTABLE

STANDARD SPECIFICATIONS

STANDARD DIAMETER - Up to 120"
BASE FRAME - Structural channel or tube provides rigid support for table top
TOP PLATE - Rigid, flat sheet top plate provides clean work surface. Turntables can be equipped with a conveyor deck per customer specifications.
CONSTRUCTION - Welded frames, spreaders
ROTATION - Standard table rotations of 90°, 180°, 270° and 360°. Other rotations are available upon request. Rotational force will vary depending on product load and size. The force to rotate can exceed 50 lbs.

Expanded product parameters available. For more information see Tech Handbook.

<table>
<thead>
<tr>
<th>CAPACITY (lbs.)</th>
<th>OUTER DIAMETER MAXIMUM (in.)</th>
<th>TOP PLATE THICKNESS (in.)</th>
<th>MINIMUM TOP OF TABLE (in.)</th>
<th>SUPPORT BEARING Style</th>
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<td>10 3/4</td>
<td>Rotary Bearing</td>
</tr>
</tbody>
</table>

Additional capacities and sizes are available
Lower table heights may be available

DETECTS - Manually operated or spring loaded detents orient table top at 90° increments on all manually operated units. Special increments are available. Manually operated detents can be actuated by hand or foot.
SUPPORTS - Structural steel, integrated into the turntable base, adjustable boot
FINISHES - Powder coat finish standard. Wet spray available.
**LOW PROFILE MANUAL TURNTABLE**

Additional capacities and sizes are available. Lower table heights may be available.

<table>
<thead>
<tr>
<th>CAPACITY (lbs.)</th>
<th>DECK SIZE (in.)</th>
<th>TOP PLATE THICKNESS (in.)</th>
<th>MINIMUM TOP OF TABLE (in.)</th>
<th>SUPPORT BEARING Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000</td>
<td>36 x 36</td>
<td>1/2</td>
<td>2 1/2</td>
<td>Semi-Precision Bearing</td>
</tr>
<tr>
<td>4000</td>
<td>48 x 48</td>
<td>1/2</td>
<td>2 1/2</td>
<td>Semi-Precision Bearing</td>
</tr>
<tr>
<td>4000</td>
<td>60 x 60</td>
<td>1/2</td>
<td>2 1/2</td>
<td>Semi-Precision Bearing</td>
</tr>
</tbody>
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**STANDARD SPECIFICATIONS**

- **STANDARD DIAMETER** - Up to 120"
- **BASE FRAME** - Structural channel or tube provides rigid support for table top
- **TOP PLATE** - Rigid, flat sheet top plate provides clean work surface. Turntables can be equipped with a conveyor deck per customer specifications.
- **CONSTRUCTION** - Welded frames, spreaders

Expanded product parameters available. For more information see Tech Handbook.

**ROTATION** - Standard table rotations of 90°, 180°, 270° and 360°. Other rotations are available upon request. Rotational force will vary depending on product load and size. The force to rotate can exceed 50 lbs.

**FINISHES** - Powder coat finish standard. Wet spray available.
OPTIONAL EQUIPMENT AND DEVICES

TRANSLATION ROLLERS - Standard on units that incorporate a conveyor deck. Attached to the rotating part of the turntable, used to assist in supporting products during the transition from adjoining conveyor to the turntable. Powered transition rollers are also available to aid problem products. Fixed transition rollers can also be mounted to adjoining conveyor.

Gravity Rollers
Power Rollers

DETENTS
- Spring/non-locking
- Locking Style:
  - Hand release
  - Foot release
- Custom options available
  - Pneumatic
  - Magnetic

MOTOR OPTIONS - Premium efficiency, single phase, 575V, DC, inverter duty, explosion proof, air, hydraulic, special brands

PNEUMATIC CYLINDER OPERATED - Maximum 90° rotation

INTEGRATED SENSORS - Limit switches or proximity sensors are mounted within the equipment and wired to a junction box for easy access and installation. Sensors are used to determine position of table top and acceleration or deceleration timing. If solenoid valve is required it is mounted and wired.

SLIP RINGS - Route power through center of table to rotating deck of turntable. A slip ring may affect the minimum height of table.

ROTARY UNION - Route air or hydraulic oil to rotating deck of turntable. Rotary unions may affect the minimum height of table. 250 PSI maximum.

STAINLESS STEEL - Turntables are available in stainless steel materials for washdown applications or harsh environments

DETECTS

GRAVITY ROLLERS
POWER ROLLERS
TRANSITION ROLLERS

TRADEMARKS

OmniMetalcraft corp.