

PSR Automation Inc.

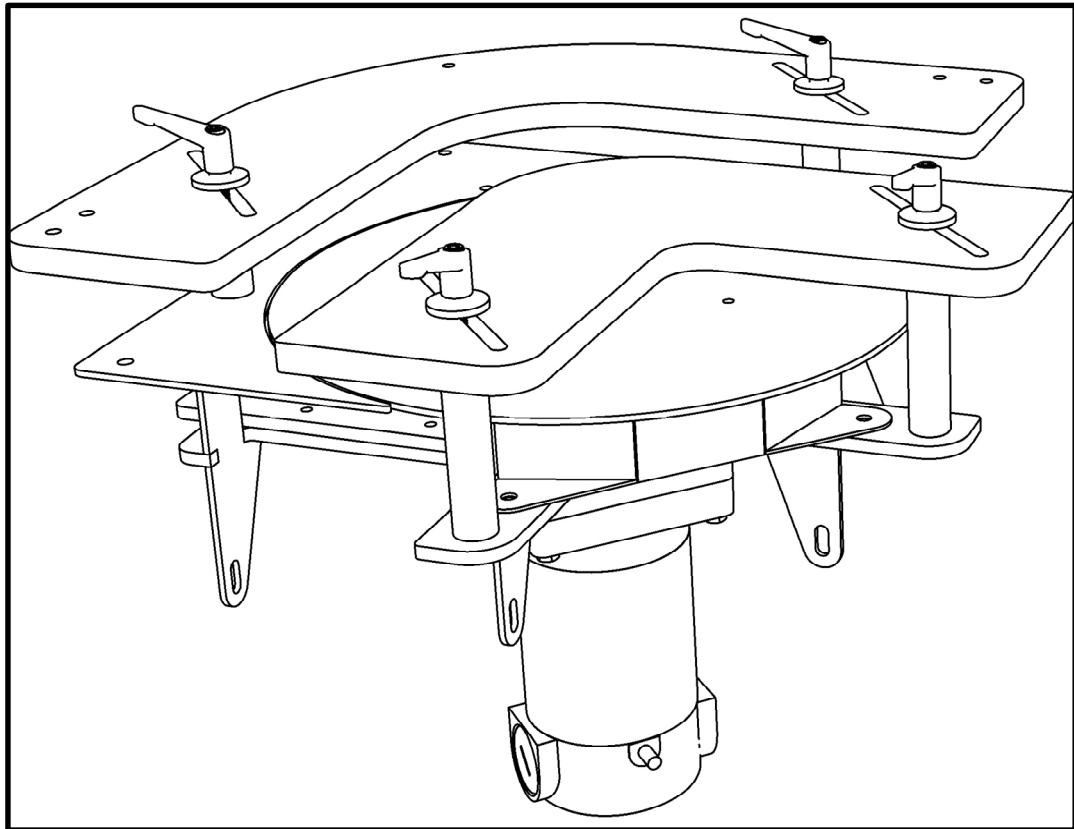
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TD120
Turn Disk

Installation Instructions

Tools/Parts Needed:

- 0.156 Drill Bit
- 10-24 Tap
- Electric Drill
- (8) 10-24 x 3/8" Bolts

Recommended Installation Directions

1. Use the dimensions in *Figure 1* to layout the hole pattern on the two conveyors that will be bolted to the TD120. Manually place the TD120 into position to verify the TD120 will fit. Note that it may be required to adjust the width of the Adjustable Bracket to fit the conveyor. To perform this, loosen the bolt attached to the Adjustable Bracket and slide to the desired width. Refer to *Figure 2*. Fully Tighten.
2. Drill (8) 0.156 Holes from the pattern. (4) holes per each conveyor.
3. Tap the holes 10-24.
4. Align the TD120 to the tapped holes on one conveyor and install the (4) 10-24 Bolts. Do not fully tighten. Refer to *Figure 3*.
5. Bring the second conveyor into position. Install the remaining (4) 10-24 Bolts. Do not fully tighten. Refer to *Figure 4*.
6. Adjust the TD120 vertically until it is level with the conveyor. Tighten the bolts to lock the unit into place.
7. Ensure the TD120 is stable.
8. Install the Front Guard onto the TD120 base using (2) 1/4-20 bolts. Refer to *Figure 5*.

**IMPORTANT: Do not operate with the Front Guard removed!
Fingers can be pinched!**

9. Install the electrical enclosure in a accessible location. Use the included mounting brackets.

First Run

Adjust the Width of the Top Plate. Refer to the section "Adjusting the Top Plate." Place several bottles onto the conveyor. Run the TD120 at an appropriate speed. The bottles should move smoothly on and off the TD120. If not, re-adjust the height of the TD120.

It is normal for several bottles to accumulate on the disk. If containers are very tall and tip, special hold back device HBD01 may be required.

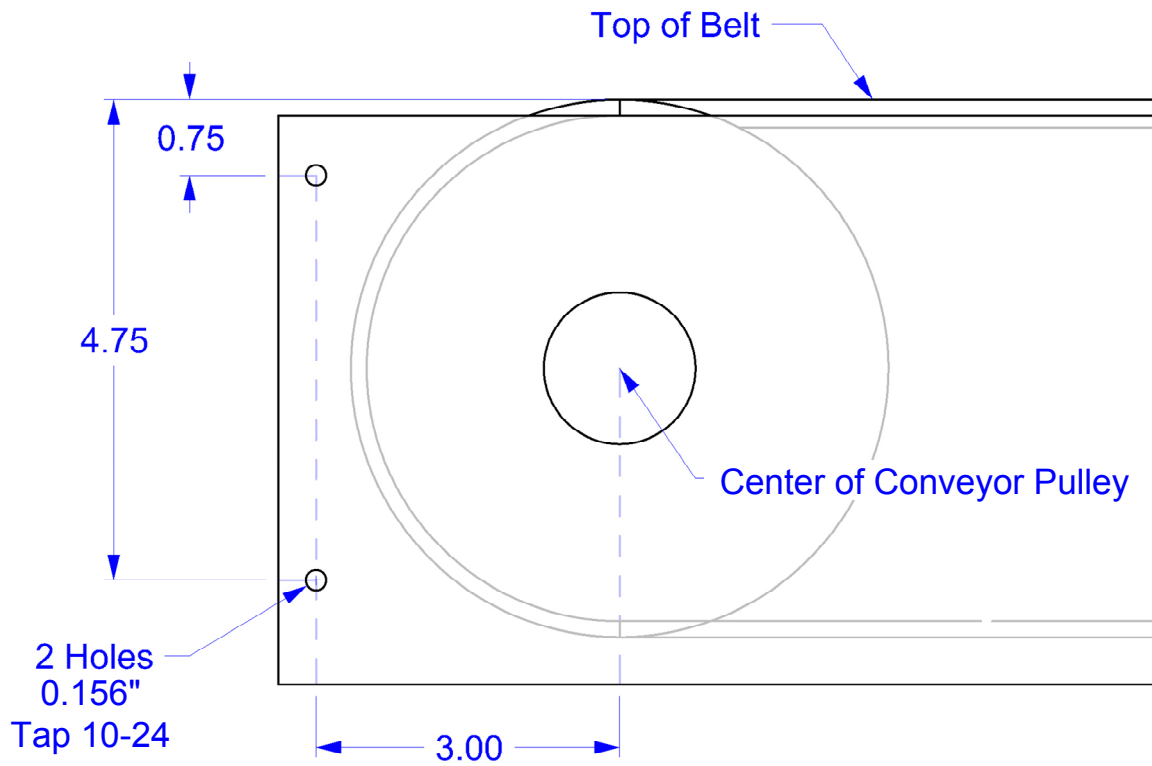


Figure 1: Bolt Pattern for mounting TD120 on Conveyor

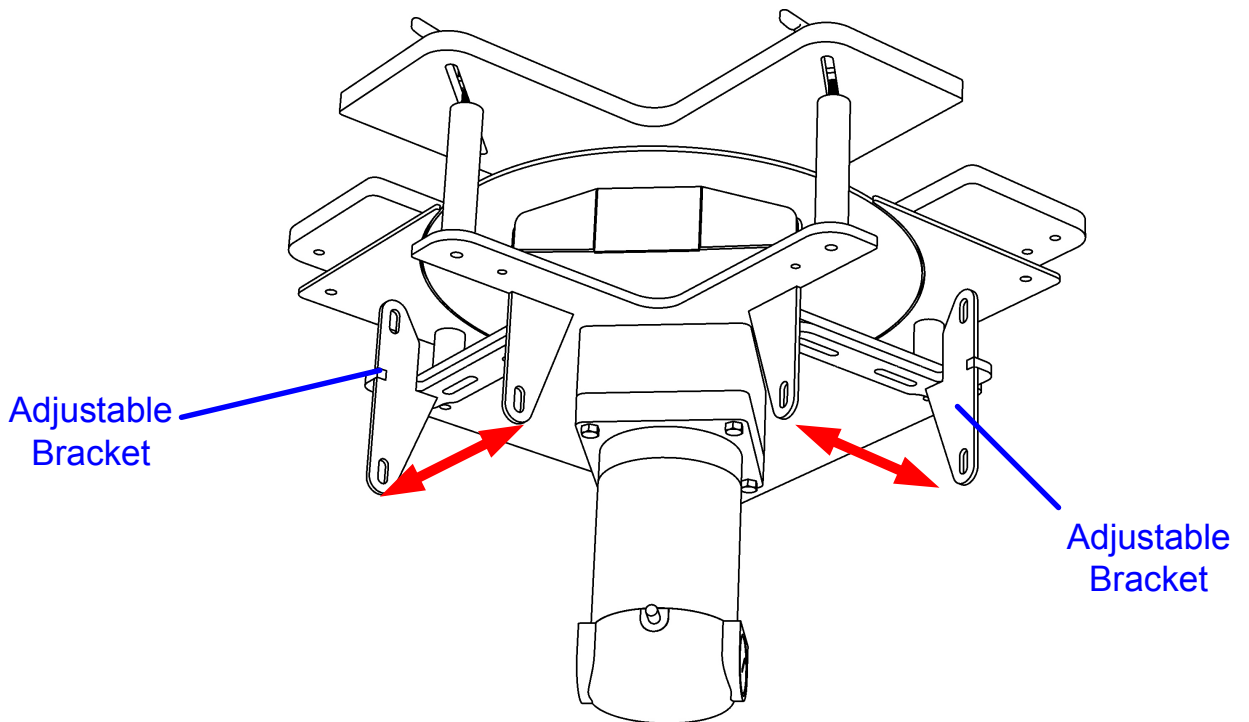


Figure 2: Bracket Width Adjustment

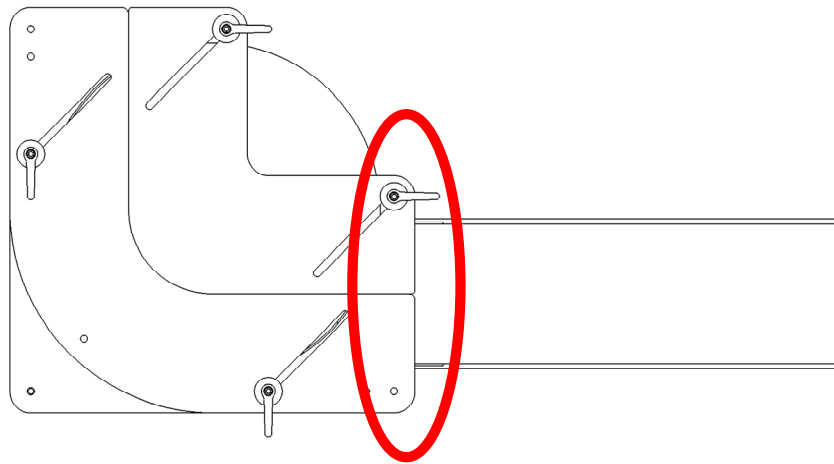


Figure 3: Install TD120 onto first conveyor

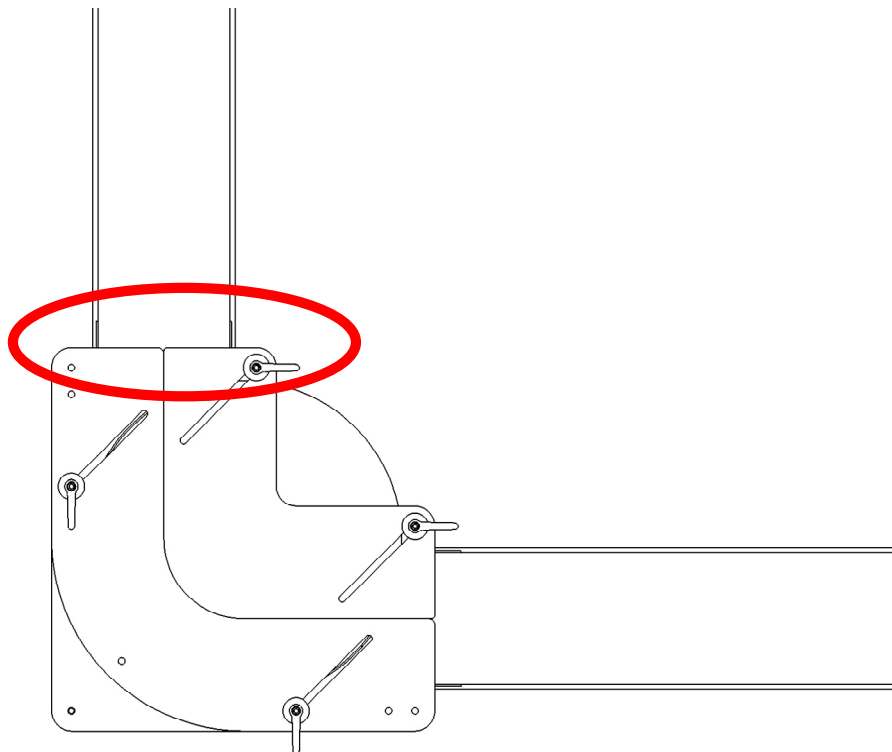


Figure 4: Install TD120 onto second conveyor

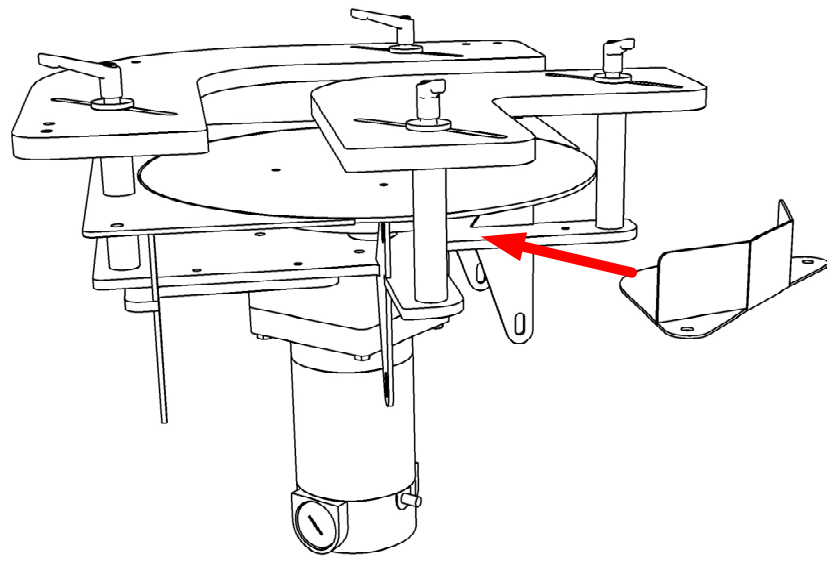


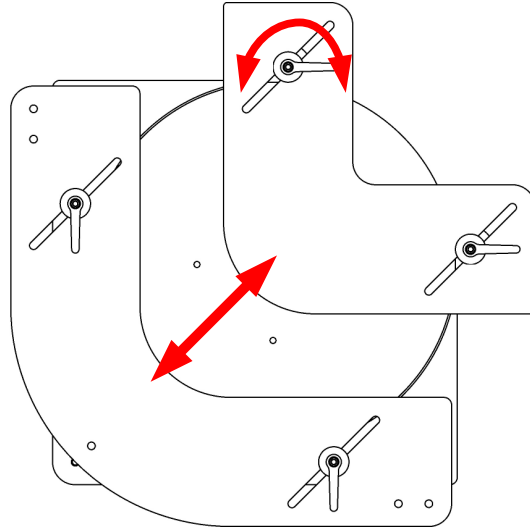
Figure 5: Install the Front Guard

Adjustment Instructions

The TD120 features adjustable top Guide to accommodate a wide variety of bottles, up to 6" in diameter.

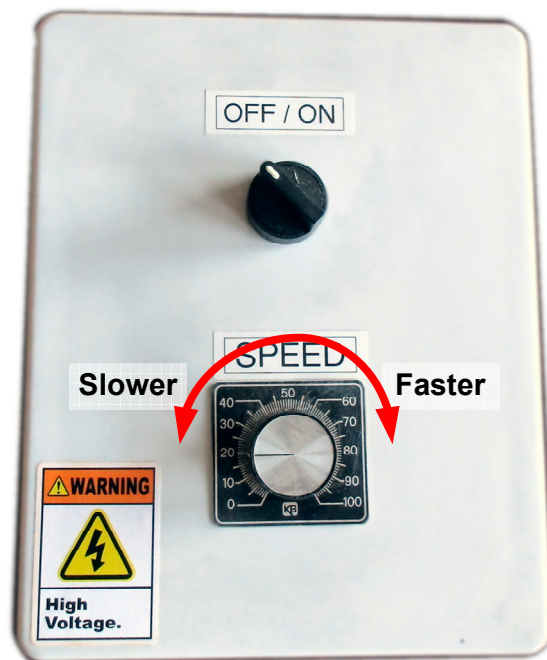
To adjust the Top Plate:

1. Loosen the wing handles that are located on the top side of the Guide Plate.
2. Slide the plate until the bottles move smoothly through the entire Guide Plate.
3. Tighten wing handles to lock in place.

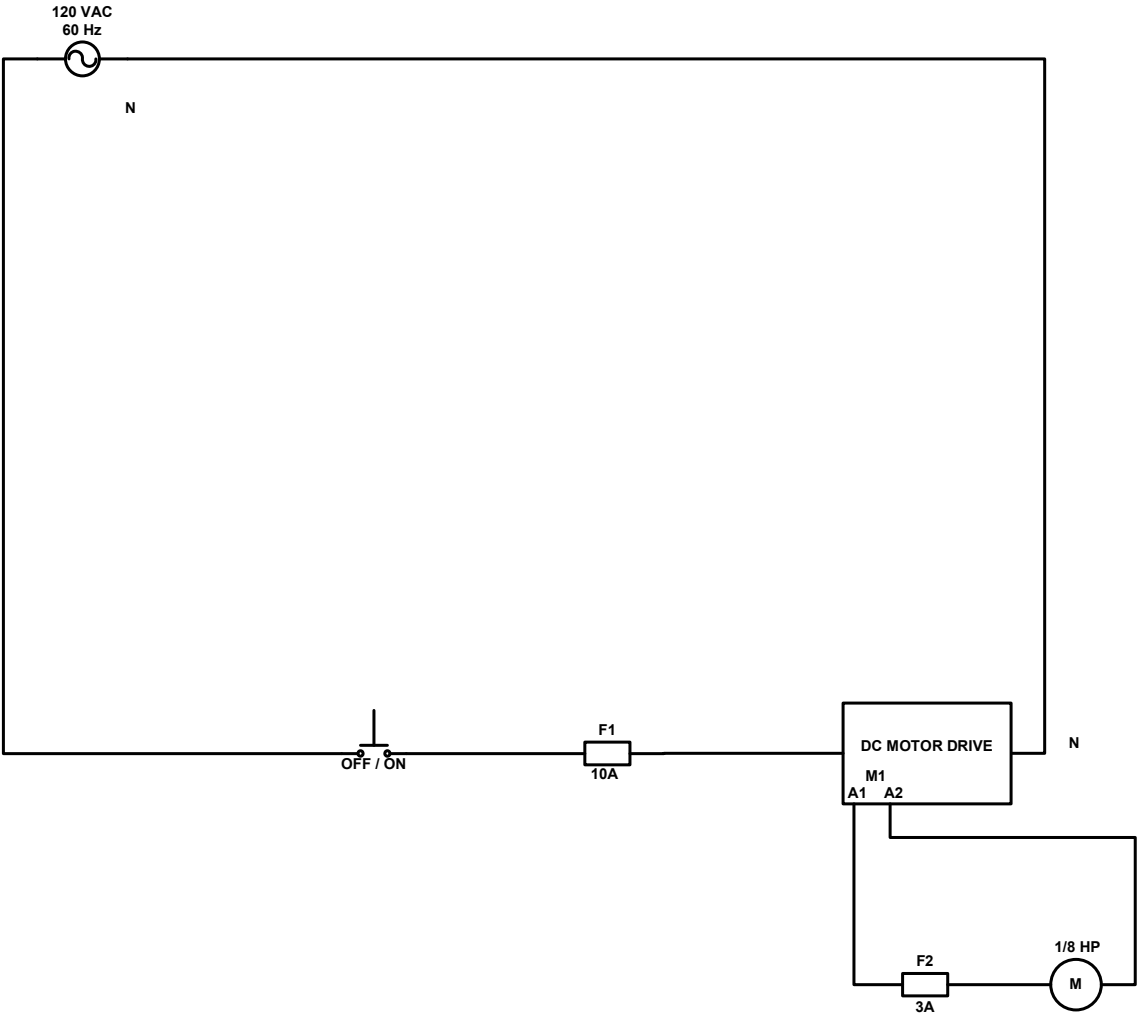


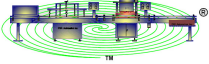
To adjust Disk Speed

1. Turn the Speed Knob on the Control Enclosure Counter Clockwise to reduce disk speed. Turn Clockwise to increase disk speed.



Electrical Diagram



<p>PSR Automation Inc. TD120 Turn Disk Valid As of 09/2016</p>	

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