

PPFE 12" Miter Disk Sander

Instructional Manual



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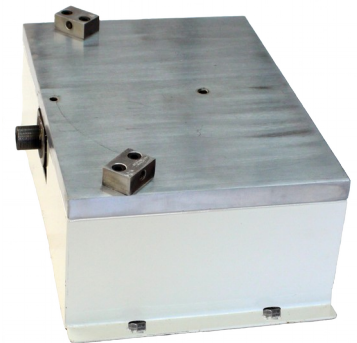


Parts

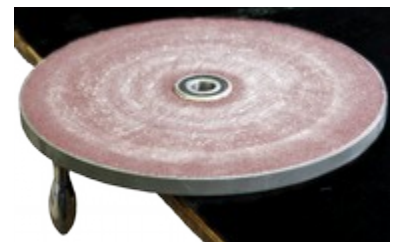
1. Base
2. Sanding Wheel
3. Guide
4. Guide Axle
5. Guide Handle
6. Bearing Assembly
7. Triangle

Set-Up Instructions

1. Bolt the machine to a table or work stand with 4 bolts. For your safety, do not attempt to work with this machine while it is not secured to a table surface.

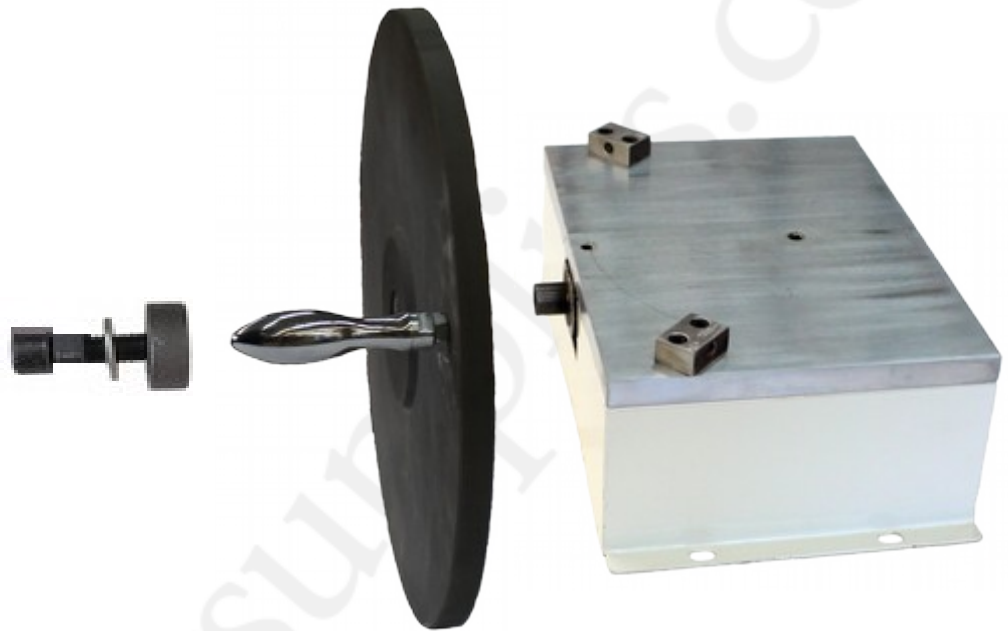


2. Lay the disk down on a work surface with the handle hanging over the edge.



3. To place the paper on the disk, remove the paper backing just over half way from the disk. Then, fold the release paper over and hold the paper disk by that side. You can use the side with the paper still attached to align the edge to the disk. When your abrasive paper is aligned with the disk, press on the side of the abrasive paper that has no liner under it. Now you can slowly remove the rest of the liner and press down on the whole disk.

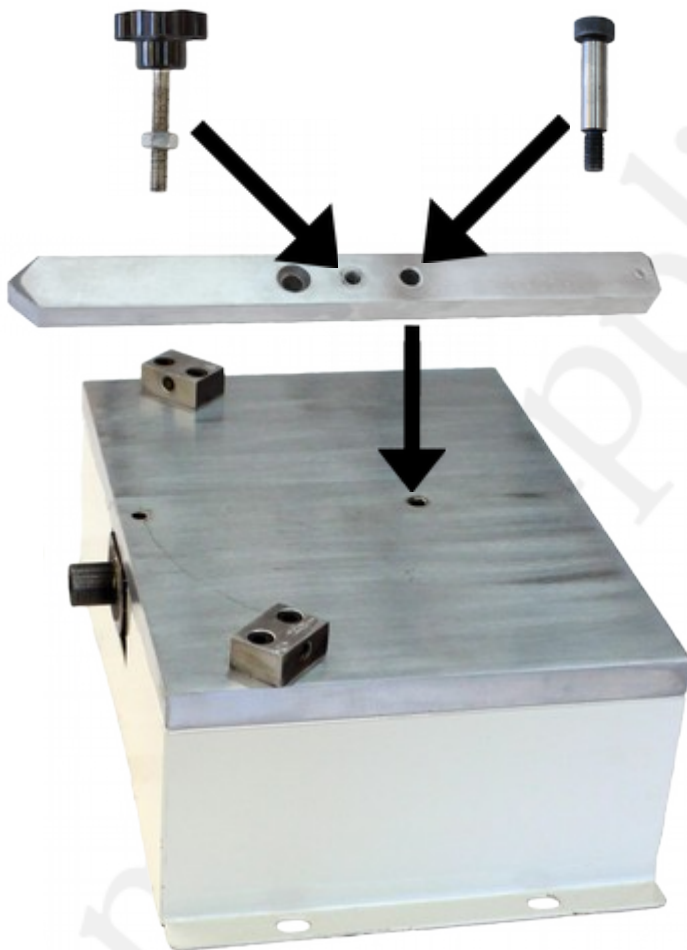
4. Now you are ready to install the disk. First, install the disk onto the center shaft of the base with the abrasive attached. Now place the bearing onto the sander center shaft. Then place the washer and the bolt, tightening them by hand and then using an 8mm allen wrench to tighten. Hold onto the handle of the disk while tightening the allen screw.



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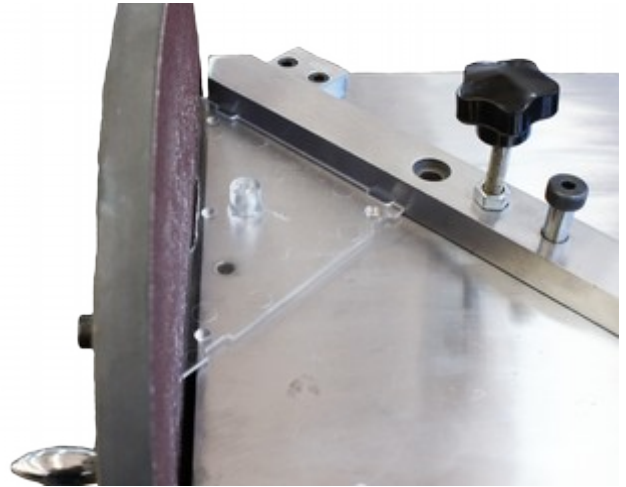
Guide Attachment Instructions

1. With base securely attached to a surface, align the hole closest to the square end with the attachment hole on top of the base.
2. Insert the guide axle and tighten so the guide is secure.
3. Attach the guide handle into the guide at the middle hole.



Adjusting the 45° Angle

Set the guide on either side and place the 45° triangle so it is completely touching the guide. If there is no gap along the disk surface or along the fence, the angle is exactly 45°.



If there is a gap or movement, then you will need to correct the angle. You will do this by using a 4mm allen wrench in the adjustment screw located in the center of the adjusting bracket. Turn the adjustment screw so the triangle is completely touching the guide and the disk. Your sander is now adjusted to a 45° angle.



Using Your Miter Disk Sander

This disk sander is used to “true up” your mitered frame cuts. Now that you have set your angles precisely to 45°, you can perform the following steps to get a perfectly sanded corner.

1. Place the guide against the stop and slide the mitered end of the molding up to the sanding disk surface. You only need a slight amount of hand pressure to hold the molding against the disk.
2. With your other hand, grip the handle on the disk and rotate the disk in the direction of guide.

The disk should be coming down onto the top of the molding, pushing the molding into the table and the guide. Rotate the disk 4-5 times and check to see if on the mitered end, sanding has occurred completely across the cut. If it has occurred completely across the cut, the miter should be correct. If it is not complete, repeat the sanding process until the miter is completely sanded and the cut end is “trued up”.



Next, lift the guide handle and rotate the guide to the opposite side so you can sand the other end of the molding.





After sanding that end of your molding, you want to ensure your molding pieces are the same length. Lay the molding side by side and compare the two. If one piece is longer than the other, simply sand a small amount at a time until the two pieces are the same length.

Cleaning the Disk Surface

After using the sander, the sandpaper surface can become filled up or “clogged” from sawdust. You should not replace the disk at this point. Use the included cleaning block to “clean” the surface.

To do this, simply hold the cleaning block at an angle so just one edge is touching the sandpaper on the disk plate. Using very light pressure, slowly turn the disk plate. The particles clogging the surface should begin to fall off. Continue this until the particles cease to drop.



You should note that after cleaning, the sandpaper may not look clean, but discoloration is normal on the surface of the disk where it has been used. The discoloration doesn't have to disappear for the “grit” to be clean. The whitish coloring will be trapped in the backing material, even after a clean surface.

*pictures may vary from actual product