

2x72 Belt Sander

- 1) Safety
- 2) Use
- 3) Tracking
- 4) Changing Belts
- 5) Changing Attachments

1. Safety

- 1.1 This machine uses a 1.5 hp motor (stronger than you!). It moves fast and can seriously remove material (including skin!).
- 1.2 Don't touch the belt while the machine is running.
- 1.3 Your material may heat up, have some water handy to keep things cool. If you grind a small part, consider holding it with a pair of pliers or vice grips.
- 1.4 **Warning! This machine has no shields on the sides of the belt.** Fingers, clothing, hair, jewelry, etc., can get caught on the belt or between the belt and the rollers.
- 1.5 If using a table, do not allow material to be wedged between the belt and table
- 1.6 If the belt stops tracking well when applying pressure, either you are pressing too hard, or the belt is worn out and should be replaced.
- 1.7 If there are any problems with the motor or drive belt (between the drive wheel and motor), let the person at the front desk know, mark the sander "*out of order*", and post a message on the talk site. **Do not try to adjust this yourself!**

2. Use

- 2.1 If you need a different belt or a different attachment, see the sections below
- 2.2 Ensure the area around the sander is clear (including around the drive belt - between the drive wheel and motor) and that nothing is in contact with the sanding belt.
- 2.3 Turn on the machine using the switch on the lower left.
- 2.4 With a firm grip on your work, press the work slowly, but firmly into the belt.
- 2.5 **Do not jam material suddenly into the belt!** Doing so can cause tears in the belt.
- 2.6 Be careful when grinding blades with the edge up, if they are sharp, as this can cut the belt. Profiling and beveling is perfectly safe with the edge up, as long as the blade is not yet sharp.
- 2.6 If the belt is not centered on the contact area, adjust the tracking (see section 3 on tracking).
- 2.7 Note: The belt will be off-set, to the left, on the top wheel (near the wooden handle). This is normal.

3. Tracking

3.1 Tracking moves the belt to the left or right and is adjusted by turning the round metal handle below the wooden handle.

3.2 The tracking is very responsive, so make small adjustments and see how the belt responds.

4. Changing Belts

- 4.1 With the machine off, pull down/forward on the wooden handle to release the tension on the belt
- 4.2 Slide the belt off the side of the wheels and hang it up
- 4.3 Select a belt with the grit you want. Slide the belt onto the wheels with the wooden handle pulled down/forward. Note that some belts indicate a direction in which they should be installed on the back of the belt, and some do not.
- 4.4 Slowly release the handle and ensure the belt is tracking correctly by moving the belt a few feet by hand.
- 4.5 Be aware of the belt tracking when you first turn the machine on. Expect that the tracking will need to be adjusted.
- 4.6 Belts are provided by LMN, but if you do a lot of grinding, you will be expected to bring in your own belts.
- 4.7 Belt tension should not need to be adjusted, although, if needed, see section 5 on Changing Attachments

5. Changing Attachments (*when we get them*)

5.1 with the machine off, remove the belt (see changing belts)

5.2 loosen the black handle on the side of the machine

5.3 slide the current attachment out and replace it with the new attachment to the indicated mark

5.4 tighten the black handle

5.5 when replacing the belt, you may need to adjust the depth of the attachment to ensure that the gas strut is applying tension properly (i.e., when the handle is released, the strut should be neither fully compressed nor fully extended).