

Belt/Disc Sander

I. Competencies

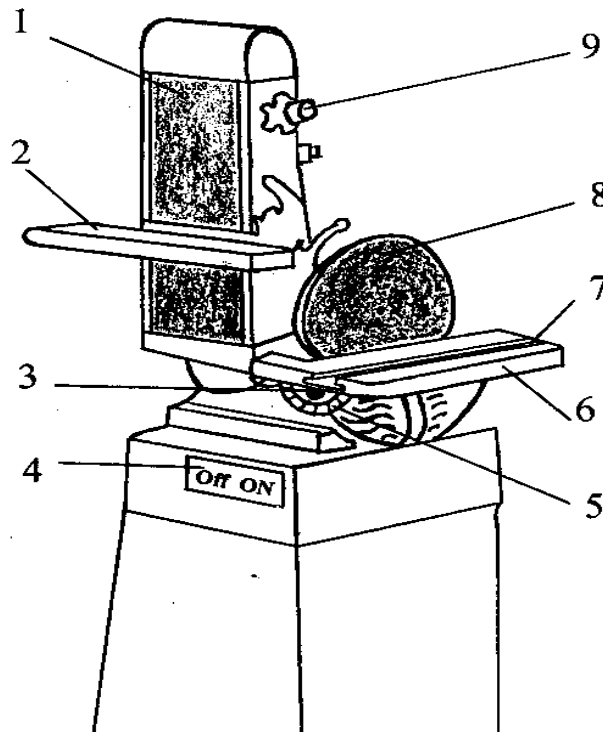
Given a properly adjusted belt/disc sander, accessories, instruction and demonstration of use, each student will be able to:

- A. Identify the major parts of the belt/disc sander.
- B. Pass a written test on safety and operating procedures of the belt/disc sander with 100 percent accuracy.
- C. Demonstrate ability to use the belt/disc sander, following suggested safety rules and correct operation procedures.

II. Instructional Materials and Procedures

A. Identification of Basic Belt/Disc Sander Parts.

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|--------------------------|-------------------------------|
| 1. Sanding Belt | 6. Disc Table |
| 2. Belt Table | 7. Miter Head Slot |
| 3. Table Adjusting Screw | 8. Sanding Disc |
| 4. Off/On Switch | 9. Belt Track Adjusting Screw |
| 5. Bevel Scale | |



B. Belt/Disc Sander Safety

1. Wear safety glasses at all times when operating the belt/disc sander.
2. Wear a dust mask or respirator when using the belt/disc sander for prolonged periods of time.
3. Keep the sanding disc well glued to the disc plate at all times.
4. If the sanding disc rotates in a counterclockwise direction, position the material to be sanded from the center of the disc to the left edge. If positioned in this manner the sanding action will help to hold the stock down on the table. If the stock is positioned from the center of the disc to the right edge of the disc the sanding action will pick the edge of the stock up and created an unsafe condition.
5. Do not reach across the sanding disc to turn the sander on or off. Your arm or hand may touch the edge of the rotating disc and cause a serious cut or entanglement. Move to the front of the sander and turn the machine off.
6. Never wear loose, or baggy clothes when operating the belt/disc sander.
7. Disconnect the electrical power to the sander when changing the belt or disc or making major adjustments.
8. Try to position yourself so that sanding dust will not be thrown toward the breathing zone.
9. Hold stock steady as it is being sanded, but do not put so much pressure on the sanding disc or belt that the sander slows down.
10. Do not allow hands or fingers to touch the belt or disc when sanding.

C. Belt/Disc Sander Operating Procedures

1. Adjust the disc table to achieve the desired angle on the stock being sanded. The table can be adjusted up to 45 degrees on most sanders.
2. Use the miter head to hold and move stock when a precise angle must be sanded on the material.
3. Apply firm, but not excessive pressure to stock being sanded on the belt/disc sander.
4. The belt sanding attachment can be adjusted from a horizontal to vertical position on most sanders. Adjust to best fit the sanding job being performed.
5. Adjust the belt tracking mechanism so the sanding belt does not touch the machine housing when rotating.
6. Do not become over-balanced when operating the belt/disc sander.
7. Keep the floor area around the sander clear of sawdust to reduce the possibility of slipping on a slick floor.

8. Always turn the belt/disc sander off when leaving the work area.
9. To change the sanding disc the old disc is pulled off the disc plate, a new coating of adhesive is applied to the plate and the new sanding disc is then attached to the plate.
10. To change the sanding belt, the belt tension is left off, the old belt is slipped off the pulleys and the new belt is installed. Be sure the arrows on the new belt point in the same direction as the arrows on the old belt pointed.