

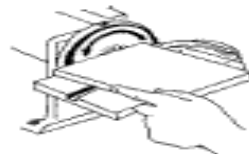
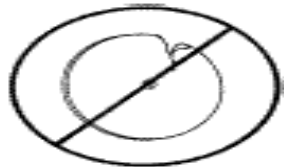
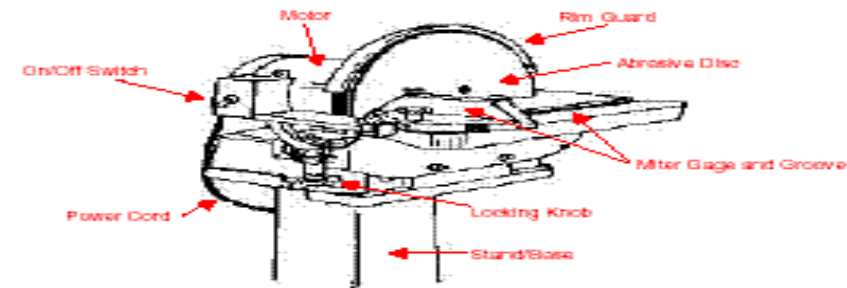
## Disc Sander Notes

### Requirements:

Proper eye protection must be worn—operate only with instructor's permission and after proper instructions have been received.

1. Check the abrasive disc for tears or loose areas. If it has any, report them immediately.
2. The table should be 1/16 inch away from the disc.
3. Always sand on the down-stroke side of the disc. Sanding on the up side will cause your wood to get caught and thrown, potentially causing serious damage to yourself, lab partners, or school property.
4. The disc sander is just as dangerous as any saw. Keep all parts of your body away from the disc as it rotates—especially your fingers. It can cut or tear part of your finger off.
5. Sand objects that you can SAFELY hold against the table.
6. Remember always to hold your wood flat against the table. If you need wood sanded at an angle, adjust the table accordingly.
7. Move your wood at an even and steady pace/pressure across the surface of the rotating disc.
8. Use just enough pressure to do the job. Too much pressure can ruin the disc, machine, and cause injury to someone.
9. Always make sure that the dust collector is turned ON and that the vent is OPEN.
10. Never leave the machine until it has come to a complete stop! You can help it stop by sanding down a piece of scrap wood. Never jam a piece of scrap wood into the machine.
11. As with every machine, if it is not working properly turn it off and tell the teacher.
12. Remember to have patience and wait quietly for your turn behind the yellow line.

### Disc Sander Parts



Note: To be safe, sand on the down stroke/left side only!

## ***Disc Sander Written Test***

Use the correct heading and write the answers on your own paper. Use the BEST answer to complete the following:

1. It ( **Is**  **Is not**) important to check the abrasive disk for tears, or loose areas.
2. The table should be ( **1/2 inch**  **1/4 inch**  **1/16 inch**) away from the disc.
3. You sand on the ( **Left**  **Right**) side of the disc.
- 4/5. The disc sander ( **is**  **is not**) a potentially dangerous machine, because it ( **Can**  **cannot**) cut or tear part of your finger off.
6. You can SAFELY sand ( **Small**  **Big**) objects.
7. It ( **Is**  **Is not**) necessary to hold your wood flat against the table.
8. You can use a piece of scrap wood to slow the disc sander down by ( **Jamming it into the disc**  **Sanding it carefully down**).
9. You ( **Should**  **Should not**) sand your wood with an even, steady pressure.
10. You should have patience and quietly wait for your turn behind the ( **Red**  **Yellow**) line.
11. If the machine is not working properly you should:  
\_\_\_\_\_

List five SAFETY procedures you should do before you operate this machine:

12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_

## ***Disc Sander Written Test Key***

1. Is
2. 1/16 inch
3. Left
4. Is
5. Can
6. Big
7. Is
8. Sanding it carefully down.
9. Should
10. Yellow
11. If the machine is not working properly, you should:

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List five safety procedures you should do before you operate this or any machine:

1. Tuck in your shirt.
2. Secure your hair.
3. Remove jewelry.
4. Wear Z87 safety glasses.
5. Work with a partner
6. Listen for and report any problems immediately.
7. Make sure that all guards are in place and working.
8. No horseplay.
9. Keep work area clean.
10. Protect hands.

## ***Disc Sander Hands-On Test***

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Subject: \_\_\_\_\_ Per: \_\_\_\_\_

1. What does it do?

\_\_\_\_\_

2. Why is it useful?

\_\_\_\_\_

3. Can the student identify this machine (point to it)? ( Yes  No)

4. Identify the following parts:

- |  |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> On/off switch | <input type="checkbox"/> Dust spout | <input type="checkbox"/> Power cord |
| <input type="checkbox"/> Tilting table | <input type="checkbox"/> Lock knob  | <input type="checkbox"/> Motor      |
| <input type="checkbox"/> Abrasive disc | <input type="checkbox"/> Rim guard  |                                     |

5. Safety procedures followed before using the machine:

- |  |   |
|--|---|
| <input type="checkbox"/> Shirt tucked in | <input type="checkbox"/> Z87 safety glasses                     |
| <input type="checkbox"/> Hair secured    | <input type="checkbox"/> Checks kick-back zone                  |
| <input type="checkbox"/> Remove jewelry  | <input type="checkbox"/> Gets help from/helps partner as needed |

6. Procedures for operating machine (teacher designate):

- Wood—uses both hands to hold the wood flat against the table.
- Hands—fingers stay at least 1-inch away from the abrasive disc.
- Scrap wood—uses it to slowly sand the disc to a stop.
- Feet—facing the machine.
- Eyes—watches to see where the material is going and makes sure that the hands are nowhere near the disc.

7. Makes two safe and successful operations:

- |    |                              |                             |
|----|------------------------------|-----------------------------|
| a) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| b) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

8. Makes sure that the machine has been shut down properly, that the area is clean, and puts tools away.  Yes  No