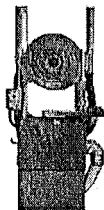


## **Band Saw**

### **For Safety --**

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Make sure all adjustments are tight and secure and the blade guides are properly adjusted prior to turning on the machine.
6. Upper blade guides should be positioned about 1/8" above the work piece.
7. Guide the work slowly, letting the machine do the work. Do not force the work into the blade.
8. Do not attempt to cut a smaller radius than the blade will allow.
9. Do not allow onlookers to stand to the right of the operator while the machine is running as a broken blade could leave the machine in that direction.
10. Avoid backing out of a long cut while the machine is running, the blade could be dragged off the wheels.
11. Maintain a 2" minimum margin of safety between the blade and your hands while the machine is running.
12. Place hands and fingers on either side of the cut line, never on the line. Use a scrap push block if necessary.
13. Never leave the machine until it has come to a complete stop.
14. Make sure that both the upper and lower drive wheels are covered.



## Band Saw

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

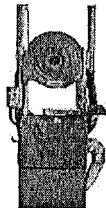
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

1. The lower drive wheel does not require a guard. T    F
2. The upper guide should be adjusted about 1/8" above the work piece. T    F
3. All normal adjustments should be made with the power turned off. T    F
4. It is permissible and safe to force the material around a tight radius without making relief cuts first. T    F
5. Fingers should be placed on either side of the cut line, not in line with it and the material guided through the machine. T    F
6. When necessary it is possible to back slowly out of a long cut with the machine still running. T    F



## **Drill Press**

### **For Safety ---**

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Hold material securely with a vise or clamps.
6. Be sure the chuck key is removed from chuck.
7. Select a properly sharpened bit. For metal, center punch when hole is to be drilled.
8. Turn off the power if the work piece becomes caught in the drill. Do not stop the chuck rotation by hand.
9. Adjust the table or depth stop to avoid drilling into the table.
10. Select the correct speed, normally slower for metal – faster for wood. The larger



## Drill Press

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

Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

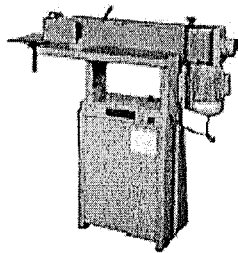
- |  |   |   |
|--|---|---|
| 1. It is necessary to select the proper speed.                   | T | F |
| 2. The chuck key should be kept in the chuck at all times.       | T | F |
| 3. Work should always be secured.                                | T | F |
| 4. Rings may be worn while operating a drill press.              | T | F |
| 5. Center punching metal before drilling is not necessary.       | T | F |
| 6. The drill can be operated at one speed for all kinds of work. | T | F |
| 7. The rotation of the chuck can be stopped by hand.             | T | F |



## **Belt Finishing Machine**

**For Safety -- --**

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Make all adjustments except final belt tracking with the power off.
6. Make sure there is adequate tension on the belt and that it is not torn.
7. When changing belts, make sure that the belt runs in the direction indicated by the arrows.
8. The table should be adjusted to within 1/16" of the abrasive belt.
9. Keep hands clear of the abrasive belt while operating and keep material flat on the table.
10. The belt must be adjusted so that it tracks correctly.



## Belt Finishing Machine

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

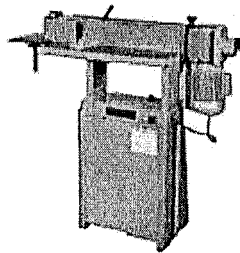
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

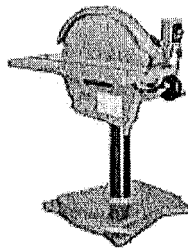
- |  |   |   |
|--|---|---|
| 1. Loose clothing could be a problem while operating this machine.     | T | F |
| 2. The table should be 1/4" away from the belt for adequate clearance. | T | F |
| 3. Belt tracking should be checked before using this machine.          | T | F |
| 4. There are directional arrows inside the belt.                       | T | F |
| 5. The guards should not be removed from this machine.                 | T | F |



## Disc Finishing Machine

For Safety --

1. Operate only with the instructor's permission and after you have received instruction.
2. Remove jewelry, eliminate loose clothing, and confine long hair.
3. Make sure all guards are in place and operating properly.
4. Always use proper eye protection.
5. Make sure adhesive is holding the abrasive disc tightly to the revolving platen.
6. The abrasive disc should not be torn or damaged.
7. Material should be held flat against the table and hands kept clear of the abrasive disc.
8. The table should be adjusted to within 1/16" of the disc.
9. Work must be done on the side of the disc rotating downward.
10. Do not leave this machine until it has coasted to a full stop or has been stopped



## Disc Finishing Machine

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

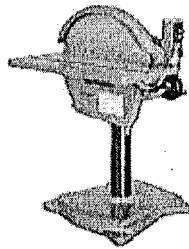
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

1. Sanding can be safely done on either the left or the right side of the rotating disc. T F
2. The Rim Guard is of no real value and can be removed for most operations. T F
3. The table should be adjusted to within 1/16" of the disc. T F
4. A piece of scrap lumber can be used to slow down and stop the Disc after turning off the power. T F
5. Safety glasses are required when operating this machine. T F

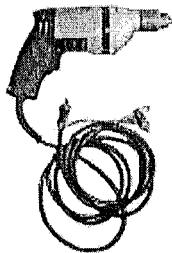




## Portable Electric Drill

### For Safety –

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Unplug the drill when changing bits.
6. Make sure the switch is off and the chuck key has been removed before connecting the drill to the power source.
7. Mark the whole location with a center punch (metal) or awl (wood) before drilling.
8. Be sure the work is tightly clamped or secure before drilling.
9. Drill with a straight even pressure.
10. Never lift or carry the drill by the electric cord.



## Portable Electric Drill

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

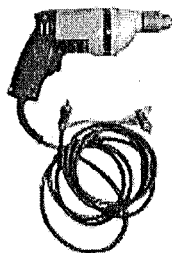
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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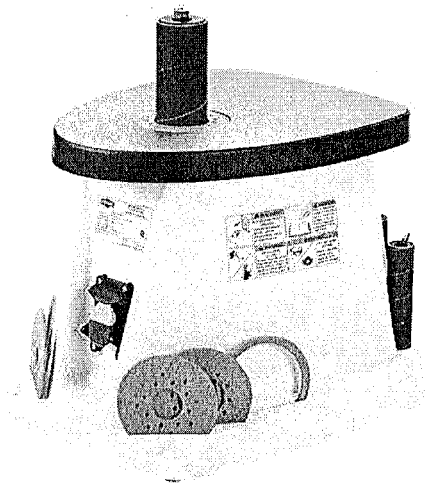
### Safety Quiz

- |   |   |   |
|---|---|---|
| 1. Eye protection is not really necessary when drilling wood. | T | F |
| 2. The drill should be unplugged when changing bits.          | T | F |
| 3. It is all right to carry the drill by the cord.            | T | F |
| 4. Even pressure should be used when drilling.                | T | F |
| 5. The work should be clamped or secured while drilling.      | T | F |



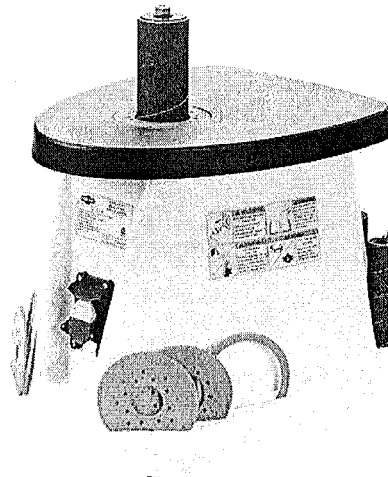
## Spindle Sander Safety

- 1. Use light pressure on the spindle when sanding.
- 2. Keep all material being sanded on the table.
- 3. Receive assistance from your instructor when changing spindles. Do not use drum spindles that have torn edges, are loaded with pitch, or are worn out.
- 4. Keep hands away from the moving spindle.
- 5. Do not attempt to sand internal, enclosed curves and/or circles without assistance from the instructor.
- 6. Always sand in the opposite direction of the spindle movement.
- 7. Select the proper table insert to fit the drum diameter. Have your instructor assist you.



## Spindle Sander Safety

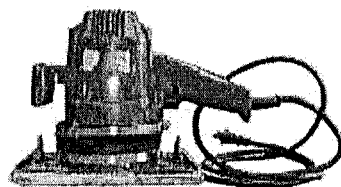
- 1. Use light \_\_\_\_\_ on the spindle when sanding.
- 2. Keep all material being sanded on the \_\_\_\_\_.
- 3. Receive assistance from your \_\_\_\_\_ when changing spindles. Do not use drum spindles that have torn edges, are loaded with pitch, or are worn out.
- 4. Keep \_\_\_\_\_ away from the moving spindle.
- 5. Do not attempt to sand internal, enclosed curves and/or circles without assistance from the \_\_\_\_\_.
- 6. Always sand in the opposite \_\_\_\_\_ of the spindle movement.
- 7. Select the proper table \_\_\_\_\_ to fit the drum diameter. Have your instructor assist you.



## Portable Electric Finishing Sander

### For Safety --

1. Operate only with the instructor's permission and after you have Received instruction.
2. Remove jewelry, eliminate loose clothing, and confine long hair.
3. Make sure all guards are in place and operating properly.
4. Always use proper eye protection.
5. Be sure the switch is in off position before connecting to the power source.
6. Make sure the abrasive sheet is in good condition and properly installed on the tool.
7. Start the tool above the work, set it down evenly and move slowly over a pattern area.
8. Lift the sander from the work before stopping the motor.
9. Do not set the sander on the workbench until it has stopped running.
10. Never lift or carry any portable electric tool by the power cord.



## Portable Electric Finishing Sander

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

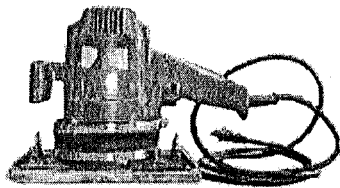
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

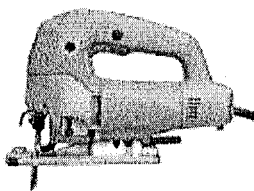
1. Eye protection must be worn when using the sander. T    F
2. The abrasive sheet can be loosely clamped yet still be safe and efficient. T    F
3. The sander should never be carried by the power cord. T    F
4. The tool should be turned on only after it is placed tightly on the material to be sanded. T    F
5. Lift the sander from the work before turning it off. T    F



## **Bayonet Saw**

### **For Safety – --**

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Make sure the blade is the correct type for the material and that it is tightly clamped in the chuck.
6. Be sure the switch is off before connecting to the power source.
7. Use a vise or clamps to securely hold the material to be cut.
8. Keep cutting pressure constant; do not force the blade into the work.
9. Always keeps the base tightly against the material being cut.
10. Do not store the saw on the base and blade. Store it on its side.
11. Do not set the saw down on the bench until it has stopped.
12. If the blade is in the tool be sure and lay the tool on its' side.



## Bayonet Saw

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

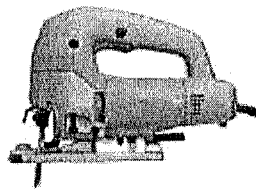
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

- |  |   |   |
|--|---|---|
| 1. Any blade will safely cut any kind of material.                               | T | F |
| 2. Material should be held securely before starting to cut.                      | T | F |
| 3. Cutting pressure should be constant without forcing the blade into the work.  | T | F |
| 4. The base should always be flat against the work, even when the saw is tilted. | T | F |
| 5. The saw can be stored using the blade and the rear of the base for support.   | T | F |
| 6. The housing and handle should be kept free of grease, chips and dust.         | T | F |

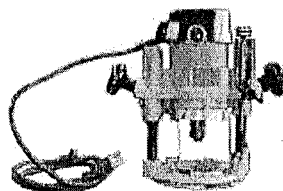




## Portable Electric Router

### For Safety -- --

1. Operate only with the instructor's permission and after you have received instruction.
2. Remove jewelry, eliminate loose clothing, and confine long hair.
3. Make sure all guards are in place and operating properly.
4. Always use proper eye protection.
5. Be sure the switch is off before inserting the plug into the power source.
6. Be sure the collet chuck is tight and the bit is secure.
7. Make sure the work piece is clamped or rigidly held in place and the Area or router travel is free of obstructions.
8. Hold the router with both hands and apply constant cutting pressure. Do not force or jam the cutting bit into the work.
9. Make a trial cut in a piece of similar scrap material first.
10. Disconnect from the power source when changing bits, making adjustments, or when the router is not in use.



## Portable Electric Router

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

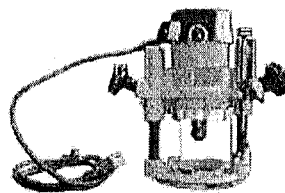
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

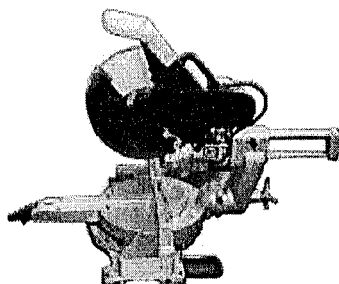
1. It is a good idea to make a trial cut in a piece of scrap wood.      T      F
2. A router should always be held with both hands.      T      F
3. Constant pressure is not necessary when using the router.      T      F
4. It is not necessary to clamp material being routed.      T      F
5. The depth of cut may be safely adjusted without unplugging the tool.      T      F
6. The use of guards is optional.      T      F



## Motorized Miter Box

### For Safety --

1. Operate only with the instructor's permission and after you have received instruction.
2. Remove jewelry, eliminate loose clothing, and confine long hair.
3. Make sure all guards are in place and operating properly.
4. Always use proper eye protection.
5. Be sure the power is disconnected before making angle adjustments or changing blades.
6. Always hold the work firmly against the fence and table.
7. Install a new table if adequate support has been cut away.
8. Allow the motor to reach full speed before starting to cut.
9. Use the brake to stop the blade before removing scrap or chips from the work area.
10. Be sure all guards are functioning properly.



## Motorized Miter Box

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

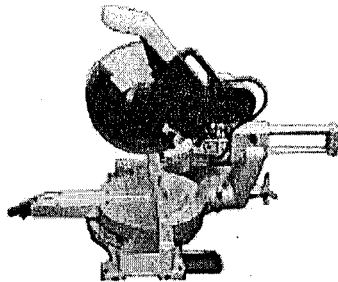
Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

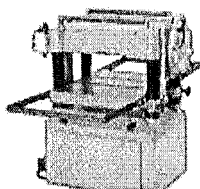
1. The table on this machine can be cut so often that it no longer gives safe support to the work. T F
2. The machine should be stopped by pushing a piece of scrap against the side of the blade. T F
3. The guards should be checked for proper operation before starting to use the machine. T F
4. The brake button can be used to stop the blade from turning. T F
5. Eye protection is not required when using this machine. T F



## **Planer-Surfacer**

### **For Safety – --**

- 1. Operate only with the instructor's permission and after you have received instruction.**
- 2. Remove jewelry, eliminate loose clothing, and confine long hair.**
- 3. Make sure all guards are in place and operating properly.**
- 4. Always use proper eye protection.**
5. Be sure to check all material for loose knots, nails and other foreign objects.
6. Do not force stock through the planer. Keep hands off the material & let the power feed operate.
7. Select the proper depth of cut and the rate of speed depending on the stock being planed.
8. Thin stock should be properly supported by a jig or back up board. Check with the instructor for minimum thickness and length.
9. Never look directly into the throat of a planer at table level while it is running or in operation.
10. Remove shavings or chips when the power is turned off. Keep hands away from the chip guard and the point of operation.
11. The possibility of kick back exists. Do not stand directly in front of the machine



## Planer-Surfacers

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

Class: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_

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### Safety Quiz

1. There is no real minimum thickness or length of stock that can be planed safely. T F
2. Stock should be pulled through the planer by hand. T F
3. You should never look into the throat area at table level. T F
4. The power should be turned off while removing chips or shavings. T F
5. A jig or other support is often needed for thin stock. T F
6. The proper depth of cut and rate of speed is related to the material being planed. T F

