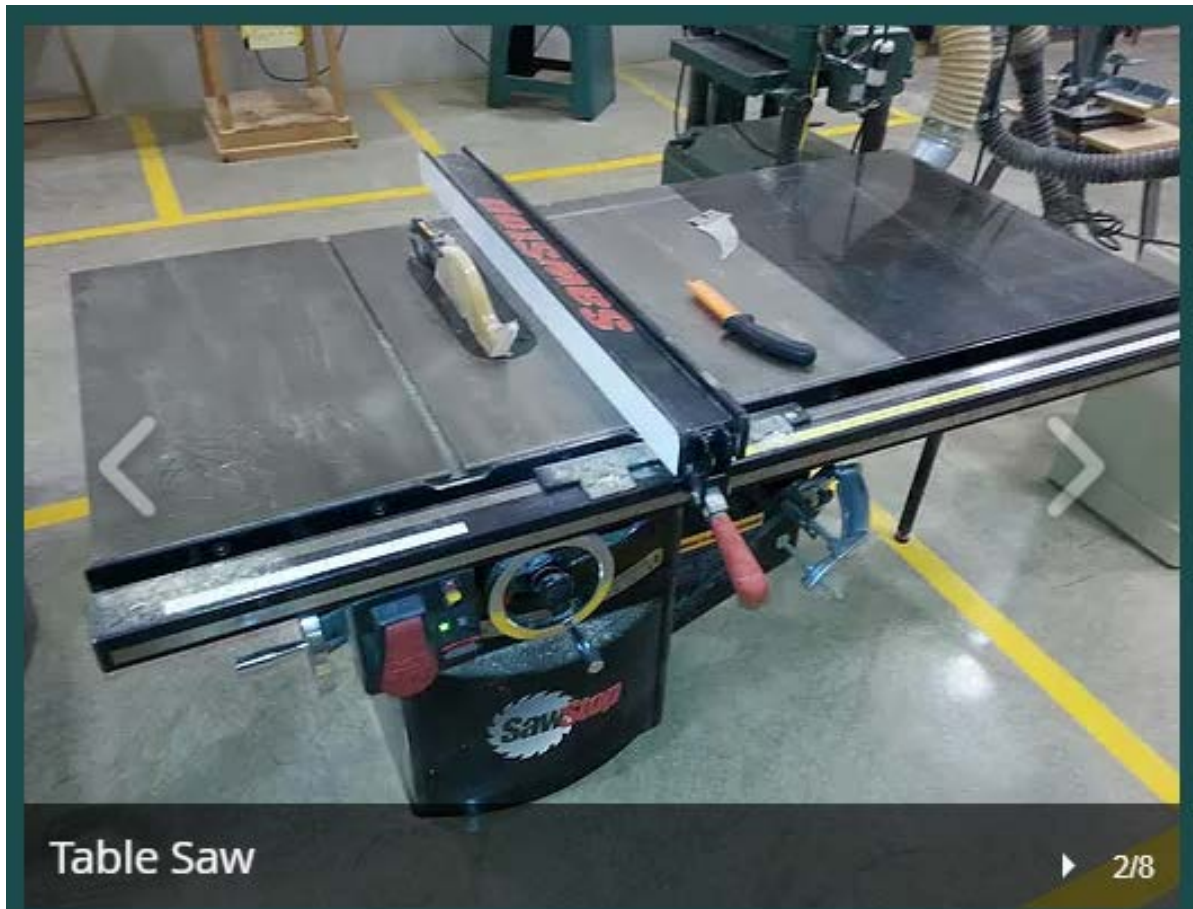


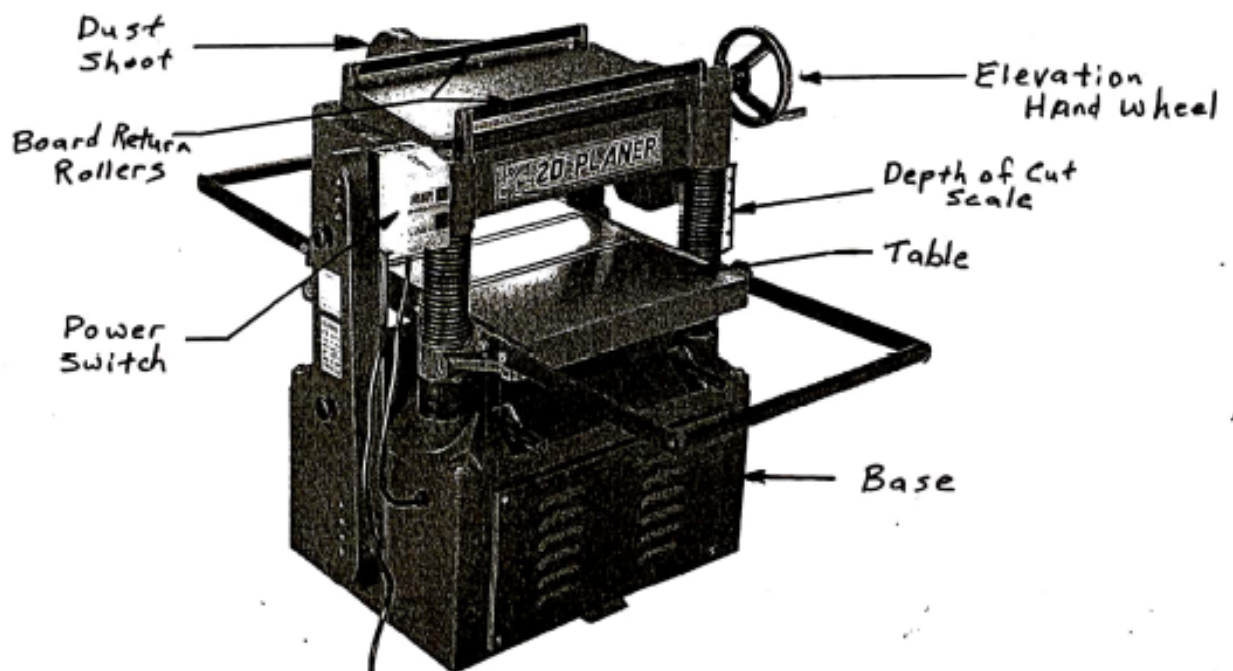
TABLE SAW SAFETY



1. The guard must always be used when possible, unless it would be a hazard.
2. Set the blade approximately 1/4 inch above the stock being cut.
3. Make all adjustments to the machine before it is turned on.
4. Get instructor approval for all special set-ups.
5. Never make rip cuts without using the rip fence or make cross cuts without using a miter gauge. Free hand cuts are very dangerous and forbidden.
6. Never leave the saw running when not in use.
7. Stand to the left of the saw blade and never behind it while making cuts.
8. If ripping a board narrower than 4 inches a push stick or pad must be use.

Planer -Safety and Care

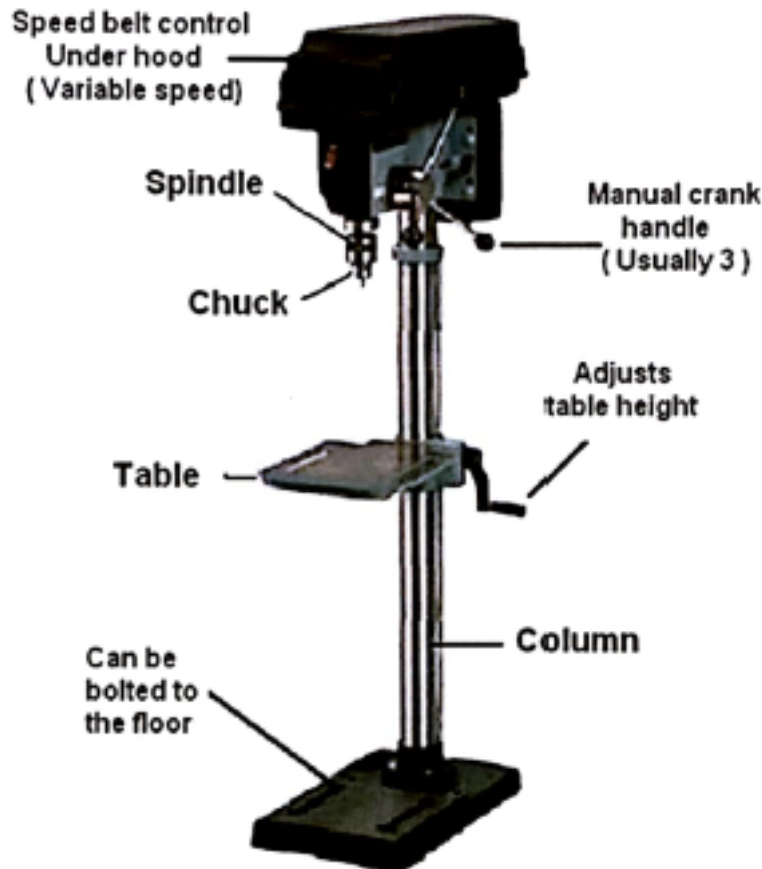
1. When using the planer, never surface a piece of stock shorter than the recommended minimum length. The minimum length is 12 inches for the planer in our lab.
2. Hold the stock in a horizontal position and with both hands as it feeds into the planer.
3. Feed stock so the planer knives cut with the grain.
4. Wide stock and hardwood stock should be fed at slow speeds. The depth of cut should also be reduced.
5. Stock containing loose knots, cracks, nails, or paint should not be machined with the planer.
6. Never look into the mouth of the planer while it is running. If stock gets caught or turns sideways, stop the machine before lowering the table. Then remove the jammed material.



- Internal Parts are illustrated on the back of this sheet.

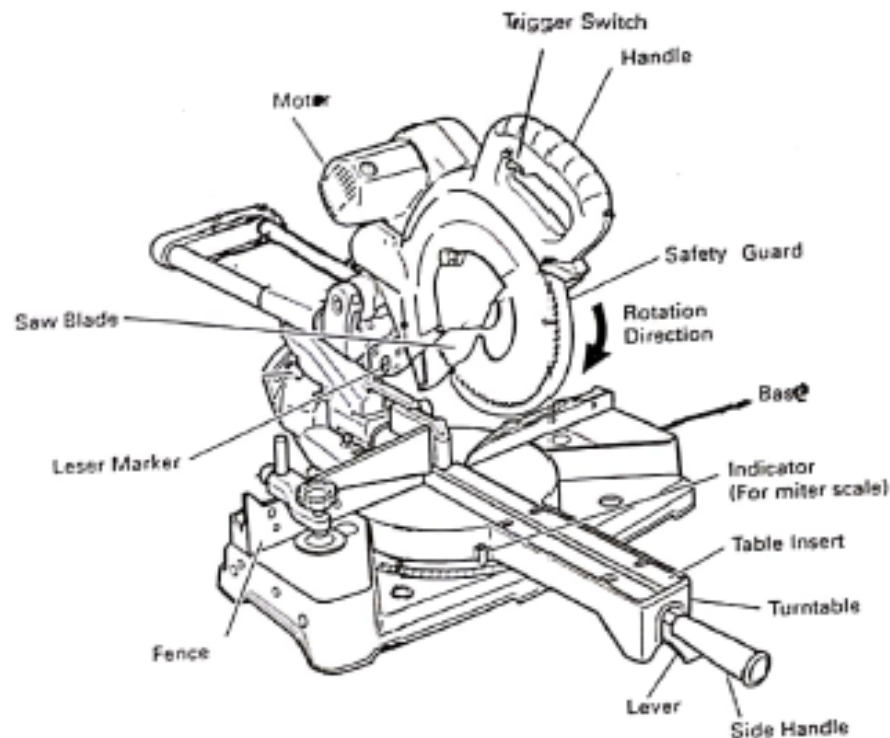
Drill Press- Safety and Operation

Various Parts of a Drill Press



- When drilling in wood, the operator should hold the work piece firmly on the table or use a clamp
- Do not wear loose fitting clothing while operating the machine
- Long hair should always be tied back
- Chuck key should be used to secure the drill bit in the chuck
- Always remove the chuck key prior to turning on the machine
- Always use sharp drill bits
- Keep hands at least 2 inches away from the turning drill bit or sanding drum
- Always keep belt guard closed during machine operation
- Wait until drill stop before removing work piece

Sliding Compound Miter Saw



Safety Rules

1. Support workpiece before during and after the cut. Hold the workpiece firmly against the base and the fence. Support long pieces at both ends.
2. Keep hands well away from the blade. Maintain a 4-inch margin of safety from the blade and its cutting path.
3. Do not operate the saw without the guards in place.
4. Keep blade sharp. A sharp blade is safer than a dull one.
5. Tighten the miter lock and the bevel lock before beginning a cut.
6. Hold the saw handle firmly and move the blade through the material smoothly.
7. Wait for the blade to come to a dead stop before removing workpieces.
8. Clean scrap cuttings and dust from the machine when you are done using the saw.

Jointer- Safety and Operation



- Jointer is used to smooth and straighten edges of boards
- Cutter head knives should be kept sharp
- Do NOT machine boards with paint, cracks, nails or loose knots
- Boards must be a minimum length of 12 inches
- Make all adjustments to the machine prior to turn it on
- Boards being machined must be held against the fence and table
- Keep hands at least 4 inches away from the cutter head
- Push boards thru the machine starting on the in-feed table (right side) and finish on the out-feed table (left side)
- Boards less than 4 inches wide should always be push thru with push sticks
- Cutter head guard should be used during normal machine operations
- Turn the machine off when work is completed
- Push pads or push sticks should always be used when skip planning or surfacing a face of the board

Disc Sander- Safety and Operation



- Always make sure boards, hands and personal belongings are clear of the machine and tables prior to turning the machine on
- Only use the left side of the table and disc
- Keep hands a minimum of 2 inches away from the sanding disc and spindle
- Always rest the work piece on the table
- Always keep the work piece moving from side to side to prevent burning of the work piece and uneven wear on the disc sander
- Never operate the machine if the disc is torn or peeling off the back plate
- Do your best to prevent materials from getting wedged between the disc and the table
- Only one person may use the disc sander at a time

Bandsaw -Safety and Care

1. Keep hands to the side of the blade, away from the cutting path.
2. If the blade breaks, step aside and disconnect the electricity to the machine.
3. Keep your fingers at least 2 inches from the blade at all times.
4. Always keep the upper guide assembly 1/4 to 1/2 inch above the stock. This prevents an excessive amount of the blade from being exposed.
5. Push the stock forward rather than to the side.
6. Work within the capacity of the saw. A thick piece of stock must be fed slower into the blade than a thin piece.
7. Observe the safety zone around the bandsaw. If a blade breaks, occasionally it will "climb" out to the right side of the operator.
8. Use a holding fixture to cut small pieces and cylindrical stock.

