

Theatre Safety

Tools and Machines – Table Saw

The table saw is likely the most versatile and productive of all woodworking machines. This one tool can rip, cross-cut, miter-cut, square, dado, rabbet, and even apply shapes to edges of wood stock. A table saw is a woodworking tool consisting of a circular saw blade mounted on an arbor that is driven by an electric motor. The blade protrudes through the surface of a table which provides support for the material that is being cut. The depth of the cut is varied by moving the blade up and down. The higher the blade protrudes above the table, the deeper the cut that is made in the material.

PPE Requirements:

Safety glasses

Pre-Inspection:

- Ensure that the machine has been unplugged before making any adjustments.
- Ensure the Delta Dust Collector System is attached to the Table Saw.
- Check to make sure the saw is in proper working order. Check the alignment of moving parts, look to see whether moving parts are binding or rubbing, check to see whether parts are broken, make sure accessories are properly mounted in the saw and check any other conditions that may affect the operation of the saw.
- Ensure guards are in place and working.

Scroll Saw Operation:

1. This table saw is intended to be used with wood and wood products only.
2. For ripping wood (cutting along the grain) always use the rip fence.
3. For cross cutting (cutting across the grain) use the miter gauge or a sled. Do not use both a miter gage and a rip fence for the same cut.
4. Know where the E-stop is located and how to use it.
5. Make sure the piece being cut is free of nails, staples, etc.
6. Ensure riving knife is in place.
7. Blade height should be set such that three teeth are above the workpiece.
8. The workpiece should be flat. Do not try to cut twisted or bowed lumber.
9. Make sure to work piece is not in contact with the blade when starting the blade.
10. Do not force the workpiece. If it is not cutting easily, stop, turn off the blade and inspect the work piece and set up.
11. When cutting is complete, turn off the machine, wait for the blade to stop turning and lower the blade below the table.