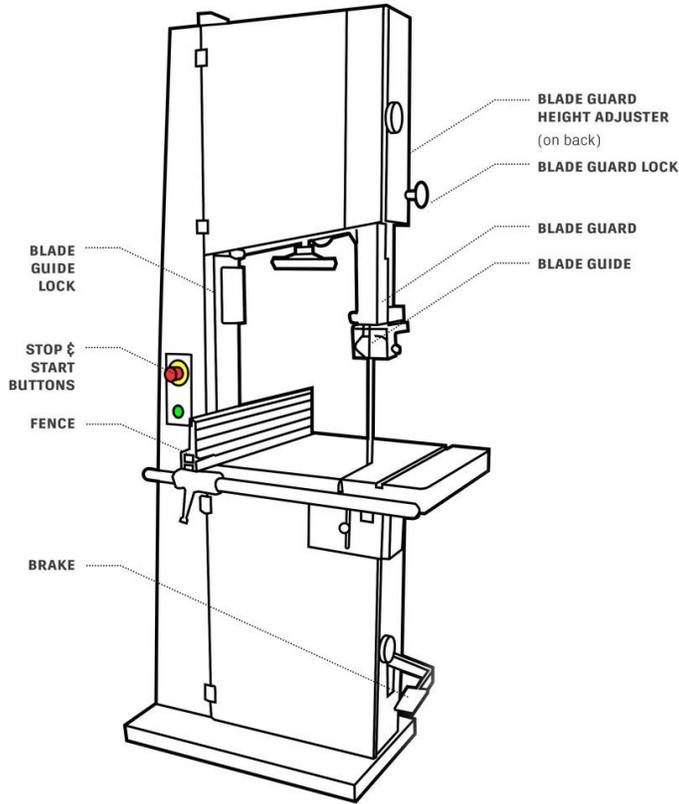


Bandsaw



Purpose

The bandsaw is a cutting tool that uses a metal “band” with teeth to cut into the material. It makes straight and curved cuts. The bandsaw can cut smaller pieces with more ease than other large cutting power tools.

Safety

- Use push sticks to handle material when within 4” of blade
- Keep exposed blade $\frac{1}{4}$ ” above workpiece
- Make sure that the blade does not wobble

Startup and Running Procedure

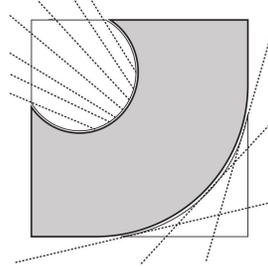
1. Place the workpiece on the table.
2. Adjust the height of exposed blade using the adjustment wheel on the front of the machine.
3. If the cut needs to be straight, align the cutting mark with the blade using the fence.
4. Lock the fence in place.
5. Turn on the bandsaw by pushing the green button and let the blade reach full speed before starting the cut.
6. Make the cut. If the workpiece is too small to comfortably push it through the saw, use a push

stick or any scrap wood to push the workpiece through the bandsaw.

Shutdown Procedure

1. Turn off the bandsaw by pushing the red button
2. Use the brake pedal to bring the blade to a stop before removing the piece.
3. Put the fence away.
4. Make sure to cover the whole blade using the adjustment wheel after you are done.

Tool Usages



- Make relief cuts to create a small radius. Forcing a blade to make too tight of a radius will result in friction that heats the workpiece and blade.
- While cutting straight with the blade, it will pull to one side or the other. Push material against fence to avoid this tendency.

Materials

Allowed

- Wood (banned in metal room)
- Plastics - PVC, Acrylic, Polycarbonate/Lexan

Banned

- Metal (banned in wood room)
- Carbon Fiber and composites

Video Link

<https://www.youtube.com/watch?v=EcgogwbDNx0>