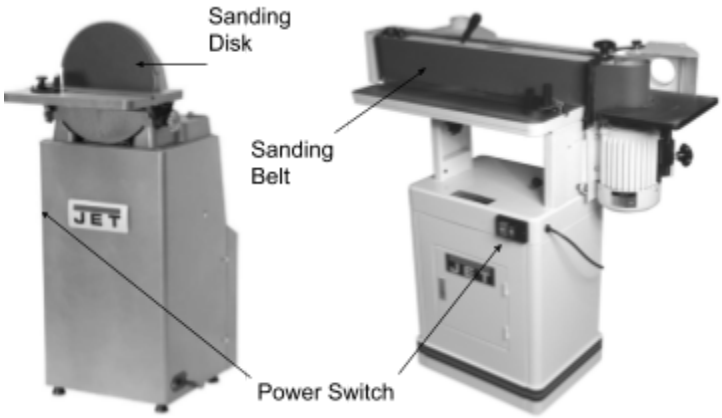
Sanders - wood and metal



Purpose

The disk sander is a power sander that rapidly rotates a circular piece of sandpaper counterclockwise. It removes material from edges or corners of material.

Safety

- Utilize a dust mask or dust collection system
- Make sure fingers are away from sandpaper when operating
- Never use gloves

Startup and Running Procedure

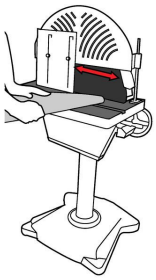
1. Make sure the table area is free of loose bits of wood
2. Open the air exhaust vent behind the sander and ensure the air for the room is on
3. Making sure no wood or other things are touching the sandpaper, turn on the sander by pressing the green button.

Shutdown Procedure

1. Press the off button to stop rotation of the sandpaper
2. Vacuum up the area of all dust that occurred from sanding
3. Close the vent behind the sander

Tool Usages

- The disk sander is the best for finishing details in wood surfaces
- Using the right side of the disk will cause the part to move away from the table and is harder to control



- To avoid wearing the paper in one spot, move your workpiece around the table.

Materials

Allowed

- Wood
- Most plastics
- Metal

Banned

- PVC
- Carbon fiber composites

Video Link

https://www.youtube.com/watch?v=suvooF6xL00

Orbital Sander

Purpose

Cord Sander that is mainly used when a project requires mobility.

Safety

- Typically harmless but stay away from the rotating disk

Startup and Running Procedure

- Plug in the cord
- Attach the desired sandpaper to the velcro disk by aligning the sandpaper to the holes in the disk
- Turn on the switch

Shutdown Procedure

- Turn off the switch
- Take sandpaper out
- Unplug the machine
- Clean the station

Tool Usages

- Start with coarse grain sand papers and move to finer grain sandpaper to achieve a better finish