

# Combination Sander



Machine:	Combination Sander
Make/Model:	Grizzly G1014Z
Revised:	3 / 10 / 2023
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**DO NOT use this machine unless you have been trained in its safe use and operation!**

## Personal Protective Equipment



Safety Glasses  
Required



Protective  
Clothing



Inhalation  
Hazard



Contain  
Long Hair



Do Not Wear  
Gloves



Do Not Wear  
Jewelry

## Potential Hazards

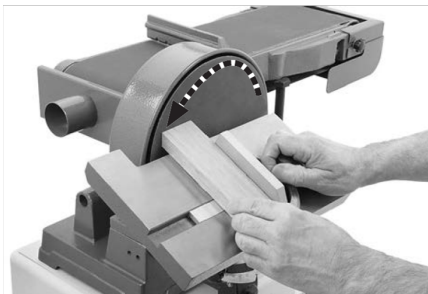
- Eye injury from flying work-piece
- Cuts from contact with sanding belt or disc
- Entanglement in rotation machine parts
- Pinch from moving machine parts
- Burns from hot tools or hot work-pieces
- Splinters
- Falls due to poor housekeeping around the machine
- Hazardous Dust

## Typical Operations

### Horizontal Sanding



### Disc Sanding



## Procedure Checklist

### PRE-Operation:

- Identify ON/OFF paddle switch.
- Ensure the disc and belt are not damaged or frayed.
- Adjust the angles of the work table and miter gauge (if used) for your operation.
- Ensure the tilt table is not more than  $\frac{1}{16}$ " ( 1 mm) from abrasives, locked in position and stable.
- Remove all tools and parts from the sander.
- Ensure the sanding belt is correctly tensioned.
- Note, *both* the belt and disc will *both* run when the machine is on.

### Operation:

- Turn on the power and allow the machine to reach full speed.
- If using the disc ...
  - ◇ Always feed the work-piece into the *left side* of the sanding disc (the sanding disc rotates counter-clock wise when viewed from the sandpaper side).
  - ◇ Place work-piece on the work table and firmly hold with two hands or against the miter gauge.
  - ◇ With light pressure, slowly feed the work-piece into the *left side* of the sanding disc.

- If using the belt for horizontal sanding ...
  - ◇ Hold the work-piece with both hands and one end of the work-piece against the backstop.
  - ◇ Ensure your fingers will keep away from the belt, apply even pressure and move the work-piece back and forth across the sanding belt.

**POST-Operation:**

- Turn off the power and allow the belt and disc to come to a complete stop.
- Use a shop vacuum to clean machine.
- Use a rag to wipe down the machine.
- Leave the machine and work area in a safe, clean state.

### **Do's and Don'ts**

**Do:**

- Read the user manual: [GitHub Link]
- Do use the dust collection system (and optionally wear an N95 mask).
- To achieve a better finish, sand with progressively high grit numbers, with no one grit increase of more than 50 grits at a time.

**Don'ts:**

- Do not use the sander without approval!
- Do not stand or hold work in an awkward position.
- Do not use compressed air to clean any part of the sander.
- Do not leave the sander running unattended.
- Do not use the sander if the sanding disc or sanding belt are damaged. Ask the lab manager to replace the worn disc/belt.