

Belt & Disc Sanding Machines safety instruction notes

The workshop has two types of bench mounted sanding machines – a large disc sander and a combined belt & (smaller) disc sander. Using sanding machine can be hazardous, so as with any kind of machinery, you should always read the instructions before use and follow safety rules to prevent injury.

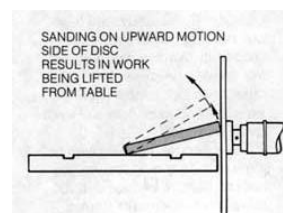
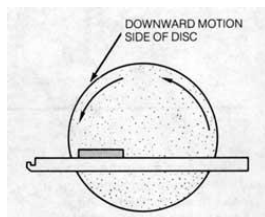
1. Describe structure of Sanding machines –
 - a. Has a work table mounted in front of the disc.
 - b. Table has slot for mitre fence
 - c. Motor mounted to the rear
 - d. Rotating disc /Linear belt
 - e. Both machines have dust extraction ports for the portable extractor.
 - f. Large disc sander has mechanical brake
 - g. Belt sander also has a flat surface for the belt with an end stop.
 - h. Belt sander has tracking adjustment.
 - i. These machine are intended for fine sanding/shaping NOT removing large amounts of material
2. PPE and extraction.
 - a. No loose clothing
 - b. Safety glasses or visor at all times
 - c. No Gloves
 - d. Dust mask if prolonged drilling of fibrous materials – MDF etc.
 - e. Portable dust extractor must be used
3. Adjustments

Most will be previously set up by workshop cleaning/maintenance team

 - a. Check that there is no damage to the abrasive surfaces
 - b. Ensure that the work table is close to but not touching the disc
 - c. Check that the belt appears to be running centrally on the rollers
4. Keep work piece clear of the disc/belt, start the machine and **LISTEN**
 - a. Rumbling, whining or vibration indicates a problem

Now we're ready to start sanding

5. Follow basic safety rules
 - a. Start the dust extraction before turning on the machine
 - b. Keep hands well clear of the disc/belt
 - c. Ensure machine is running at full speed before presenting work to the disc/belt
 - d. When using the belt sander, stand to the right hand side of the machine.
 - e. Only use the 'downward running' section of the disc – e.g. left hand side of the disc



- f. When finished, power off the machine
 - g. The large disc sander has a mechanical brake to stop the disc spinning – **DO NOT LEAVE UNTIL THE ROTATION HAS STOPPED**
6. Useful functions of the machine
 - a. Contour & detail sanding
 - b. Concave sanding can be performed on the end of the belt sander