



wiki.ehlab.uk/ beltsander



The combination belt and disc sander is used for shaping wooden and plastic parts.

Personal Protective Equipment



Eye protection must be worn.



No loose clothing. Roll long sleeves up to elbows.



Sturdy Shoes must be worn.



Hearing protection is strongly advised.



Wearing a mask or respirator is strongly advised.



No watches or loose jewellery.

Before

- ✓ Ensure surrounding area cleared of obstacles.
- ✓ Alert other workshop users to keep clear.
- ✓ Ensure belt and table are cleared of objects.
- ✓ Ensure machine is set up correctly:
 - ✓ Belt is aligned correctly.
 - ✓ All adjustments tightened.
 - ✓ No damage to belt/disc.
- ✓ Ensure machine can be turned manually by hand, and that the belt stays aligned when doing so.
 - ✓ **Power off machine before checking this!**
- ✓ Ensure the dust extractor is running.
 - ✓ If it does not start automatically, use the green button on the dust extractor to start it.

During

- ✓ Keep your hands 10cm from any moving parts.
- ✓ Take particular care around gap where the belt disappears into the machine.
- ✓ Hold workpiece tightly and gently press into the abrasive.
- ✓ Only sand pieces you can safely hold by yourself.
- ✓ When using the disk, only sand on the downward (right) hand side of the disk.
- ✓ When using the belt, stand so that the belt motion is away from yourself.
- ✓ **Be aware that the workplace may get caught and drawn into the sander, or be flung across the room.**

After

- ✓ Log out of the tool after use
- ✓ Clean the area around the machine and any dust created – leave the machine cleaner than you found it!
- ✓ Check if the band/disk is worn beyond it's useful life: If so, replace it.

Don't

- x **Do not use faulty equipment.** Report faulty equipment to the Tool Maintainers' mailing list: tools@edinburghacklab.com
- x Do not sand parts that are too large or too small. If a part is impractical to hold by hand, or your hands are getting too close to the abrasive, **Stop** and sand the part by hand.
- x Do not sand metal parts.
- x Do not leave the machine running unattended.
- x Do not allow another person to use the tool under your access token.

This card is designed as a quick reference for a properly trained user, and does not necessarily cover all possible hazards. It does not replace, and should be used in combination with, proper training and other reference material.