

Safe Operating Procedures Drum Sander

DO NOT use this machine unless you have been through the check out process on its safe use and operation.



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or restrained.



Appropriate footwear with substantial uppers must be worn.



Close fitting, protective clothing or a workshop apron is encouraged.



Rings and jewellery must not be worn.



A mask must be worn when excessive airborne dust is created.

PRE-OPERATIONAL SAFETY CHECKS

1. Visually check the area to ensure no slip or trip hazards are present in the workspace.
2. Check all adjustments and settings carefully before commencing.
3. Faulty equipment must not be used. Immediately report suspect machinery to the Shop Manager. Report issues in the SLACK #woodshop channel. Post a sign on equipment and or lock it out as needed.

OPERATIONAL SAFETY CHECKS

1. Determine the depth of cut. This is sometimes experimental, dependent on the abrasive grit, type of wood and feed rate selected.
2. When sanding with grits finer than 80, lower the drum so it contacts the workpiece but the drum can still be rotated by hand. For grits coarser than 80, lower the drum slightly more.
3. Start the sanding drums and conveyor, then select an appropriate feed rate (feed against the rotation of the drum).
4. The optimum in-feed angle for the 'first pass' should be approx. 60° (across the table).
5. Note, however, for a better finish, stock should be sanded with the grain on the final pass.
6. When sanding multiple pieces simultaneously, stagger them across the width of the belt.
7. Only process multiple pieces of similar thickness.
8. When sanding stock with a cup or crown, place the crown upwards for greater stability.
9. Take special care when sanding stock that is twisted, bowed or varies in thickness.
10. Use extra roller stands for long lengths (if help from a second person is not available).
11. If a length of stock becomes jammed under the rollers, stop the machine and raise the sanding drum to release the stock.
12. Operator **ONLY** must switch off the machine – don't leave until the machine has stopped.
13. Never leave the sanding machine running unattended.

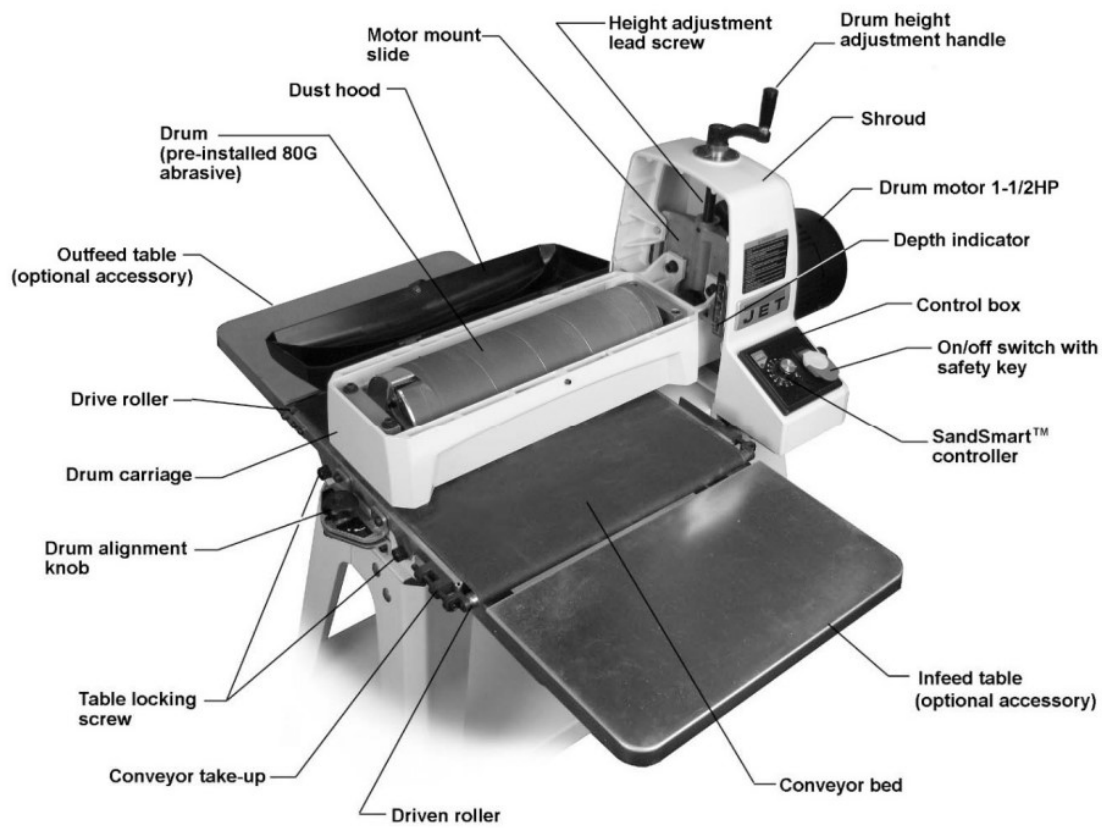
HOUSEKEEPING

1. Leave the machine, floor and workspace in a safe, clean and tidy state.

POTENTIAL HAZARDS & RISKS

- | | | |
|---|--------------------|----------------|
| ■ Rotating shafts and moving components | ■ Noise | ■ Entanglement |
| ■ Abrasive surfaces | ■ Pinch and squash | ■ Eye injury |
| ■ Wood dust | ■ Ejected waste | |

Concord Makerspace



Date of last review _____

Signature _____

Print name _____

Reviewer _____