

## DRUM SURFACE SANDER

The Drum Surface Sander works like the Parallel Surface Planner except that it sands instead of planning. The sanding will give a smoother finish to your work by removing chip outs etc. and should be used as the first step in finish sanding. The sand paper on drum sanders is usually 90 grit or courser.

First the bottom roller is lowered so as not to touch the cutters and leave a clear space for the board to pass through

Put a board on the belt and assure that it passes through easily.

Now slowly crank the lower belt with a board on it up until the sanding drum touches the board.

The crank has directions on the sander to give you recommendations on how much to crank up at one time.

The wood shop has several sizes of drum sanders from 10" to 24".

### SAFETY and TIPS

1. Read or be familiar with tool operation. Refer to general operating instruction posted on the machines. Each sander is slightly different in its operation procedure
2. Open vacuum vents before cutting
3. Sand with edge grain to prevent chip outs.
4. Boards have to be at least 10" long
5. If board is narrower than 1/2", use a shooter board under it
6. Things that can not be run through the drum sander:
  - i. No painted or varnished surfaces
  - ii. No plywood, particle board, MDF
  - iii. No old cutting boards as they will gum up the belts
  - iv. No wood with loose knots. (knock them out). (Check all knots after each pass as tight knots can become loose)
  - v. No old wood (barn siding) or weathered wood.
  - vi. Nails, dirt, sand, and rock embedded in the wood will nick the cutters
  - vii. Glued edges that are "oozing" at the joints should be cleaned up with a planner or hand sander.
7. Have a helper on the back side of the machine to catch boards.
8. Don't stand directly behind machine because of possibility of kickback
9. Never place your hand into the sander to free wood
10. Shallower cuts make for less chatter marks and less sanding
11. Too prevent snipe on the end of a board. Take shallower cuts
12. Close vacuum vents after cutting
13. Clean up mess when done
14. If in doubt or have questions?????, check with floor monitor