Oscillating Spindle Sander

METHOD OF OPERATION
*A rotating spindle, covered in a cylindrical sandpaper sleeve, oscillates up and down while a piece is moved against it, to sand radial profiles.

MACHINE HAZARDS
*Cuts or abrasions, finger injury
       -Controls: proper hand placement
* Entanglement
       -Controls: No loose fitting clothing
 *Struck by work piece
       -Controls: Proper pressure applied to work piece, proper hand placement, proper body placement
  *Flying debris, Eye injury
       -Controls: Safety Glasses
  *Wood dust
       -Controls: Proper use of dust collection system, Nuisance mask (if necessary)

PPE/Safety Measures

*Safety Glasses	*All Jewellery removed
*Hearing Protection	*No loose fitting clothing
*Closed Toed Shoes	*Long Hair tied back and away from face
*Nuisance Mask (If necessary)	*NO gloves
	Long sleeves removed or rolled up

Guards and Devices

Operational Notes
*Drums and Spindles
       -Drums and Spindles are kept in the cabinet under the tool table.
       -Be sure to turn off and unplug machine before changing a drum or spindle.
*To Install A spindle
       -Select desired spindle from the cabinet below the tool
       -Open front shield
       -Thoroughly clean tapered area on all spindle assemblies before installing
       -Clean mating shaft on sander
       -Remove table insert if installed
       -Open front shield and depress detent lever

-Install spindle and tighten spindle nut using the tool wrench magnetized to the cabinet

*To Remove a Spindle
       -Turn OFF the Machine and wait for it to stop spinning.
       Open front shield and depress detent lever
       Using the wrench, loosen the nut on top of the spindle
       -Return the spindle to the appropriate cradle in the cabinet below the tool

*Rubber drums
       -Replacing the sanding sleeve: The larger sanding drums have a rubber core that slips over
the drum spindle and is held in place with a nut and washer. Tightening the nut causes the rubber core to expand and locks the sanding sleeve in place. To remove the sanding sleeve. Loosen the nut and pull up on the sanding sleeve. To install a new sanding sleeve, slip it down over the rubber core and tighten the nut no more than is necessary to hold the sanding sleeve in place.

Sequence of Operation
1. Visually check the area to ensure no slip or trip hazards are present in the workspace.
2. Check that the dust extraction is on and automatic blast gates are open for this machine.
3. Check all adjustments and settings carefully before commencing.
4. Check that the correct table insert corresponds with the drum size being used.
5. Visually check the work area to ensure no one is close to the operator.
6. Slowly move the workpiece into contact with the oscillating bobbin sanding drum.
7. Move the workpiece slowly in the opposite direction to the rotation of the spindle.
8. Avoid kickback by applying appropriate pressure to your piece while it is in contact with the drum.
9. Do not force the sander. It will sand smoother and safer at the rate for which it was designed.
10. Keep hands & fingers clear of the oscillating bobbin sanding drum when machine is running.
11. Never sand pieces of material that are too small to be safety supported.
12. When sanding a large workpiece, provide additional support at table height.
13. Shut off the machine once you have finished removing material. Wait for the machine to stop moving.
14. Never remove waste dust material from the table while the machine is running.
15. Clean any miscellaneous debris off the work table.

Never
*Use faulty equipment. Immediately report suspect equipment.
*Leave the machine running unattended
*Turn on the machine while your piece is making contact with the drum.
*Leave your piece unsupported while the machine is running.

Maintenance Notes/Service by Operator

*Leave the machine, floor and work area in a safe, clean and tidy state.
- -Sweep any floor waste to the appropriate floor dust extraction gate.

*Contact Shop Supervisor/qualified person for:
- -Any additional help or guidance