

WOOD SANDERS

VERSION 3.1



AUTODESK
PIER 9

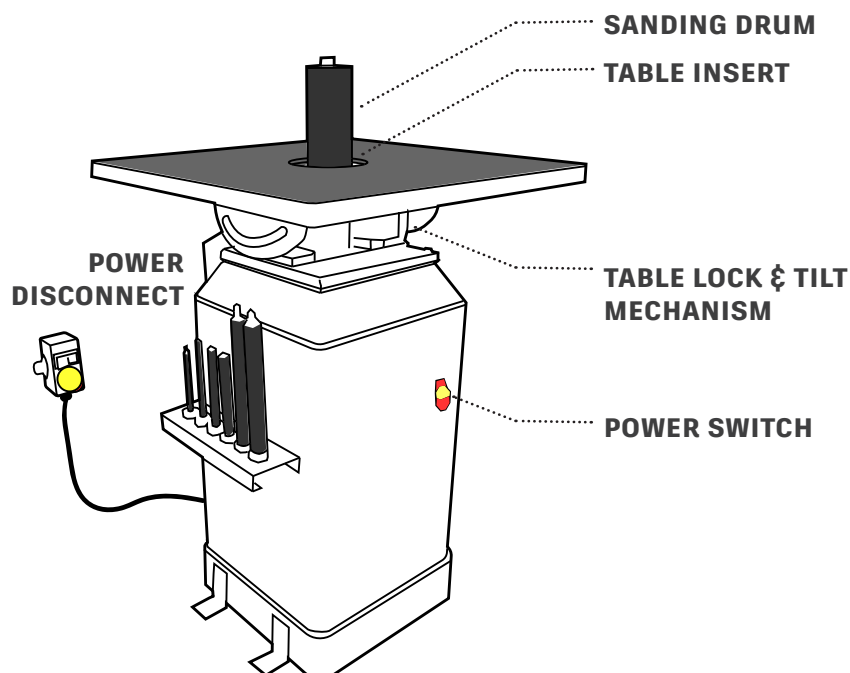
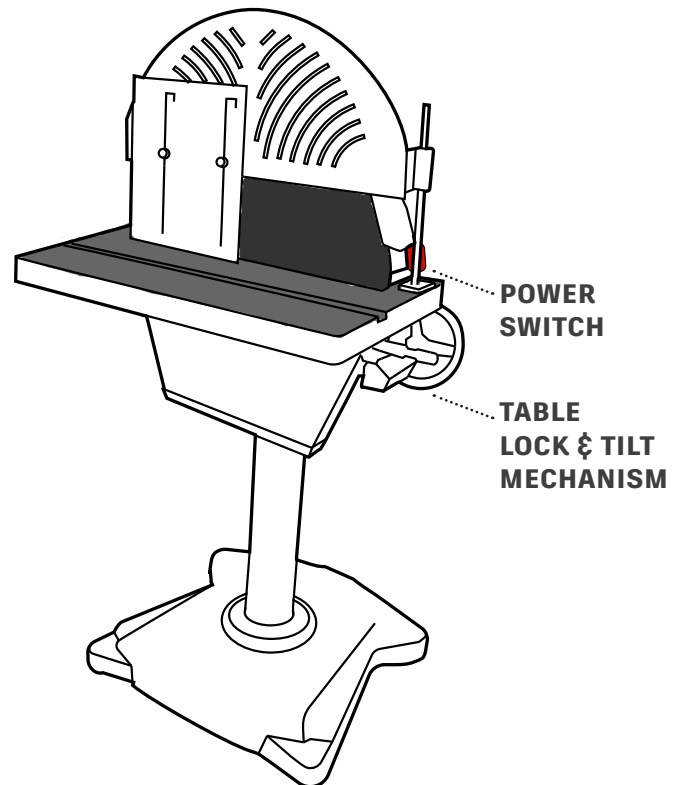
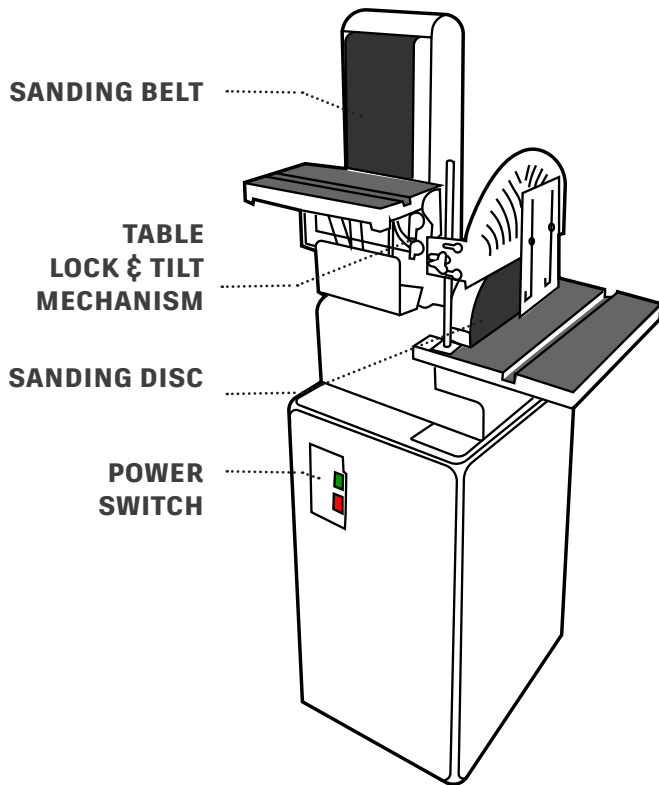
WOOD SANDERS

MACHINE
OPERATION

SANDERS SMOOTH AND SHAPE YOUR WORKPIECE.

P. 2

VERSION 3.1



MATERIALS

i ALLOWED MATERIALS

- + Wood
- + Most plastics

x BANNED MATERIALS

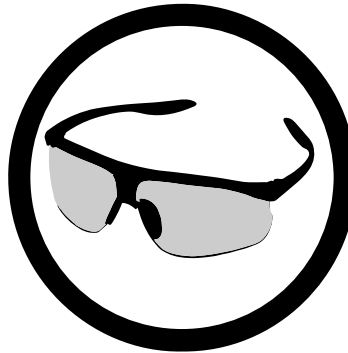
- + Metal
- + PVC
- + Pressure treated wood
- + Carbon fiber and composites

? SEE SHOP STAFF FIRST

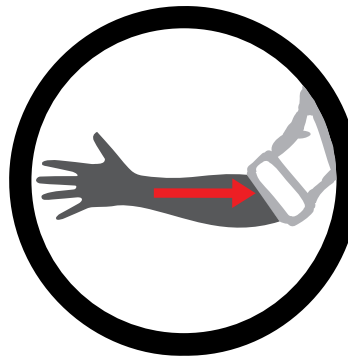
- + All other materials

USE PERSONAL PROTECTIVE EQUIPMENT WHEN OPERATING THE SANDERS.

P. 3



Always wear safety glasses.



Always wear short sleeves, or rolled sleeves, pull back and tuck in long hair, remove jewelry and lanyards, etc.

Do not wear gloves.



Always use the dust collection system. Dust masks are available for your use.

KEEP THE WORKPIECE IN CONTACT WITH THE TABLE AT ALL TIMES.

P. 4

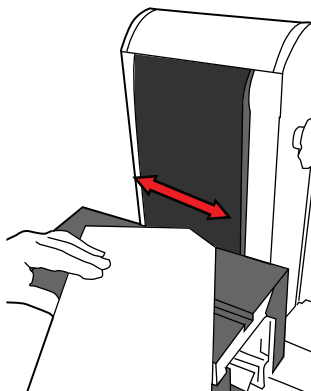
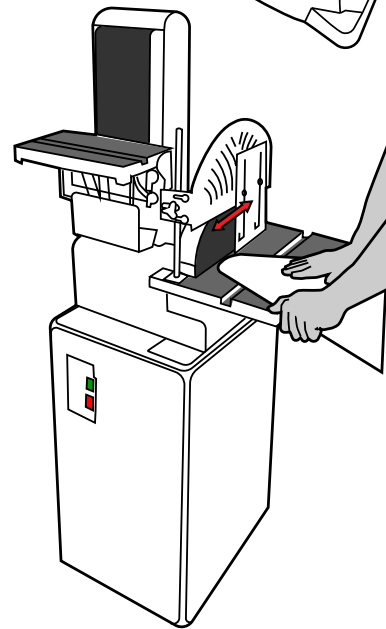
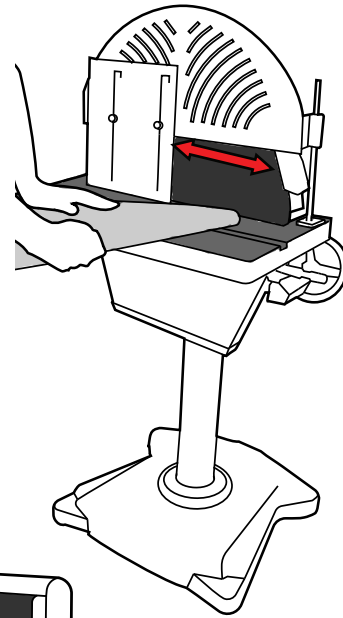
DISC SANDER

The disc sander quickly removes material from edges or corners of material.

There are two disc sanders; a Laguna 20" disc, and a Powermatic disc/belt combination machine. They work the same way.

The table on both disc sanders can be tilted, in order to sand at an angle.

- + Only sand on the portion of the disc that is moving down.
 - ▶ Never move the guards.
- + To avoid wearing the paper in one spot, move your workpiece around the table.
- + Be aware that it will remove material at different speeds depending on where you are on the table.



BELT SANDER

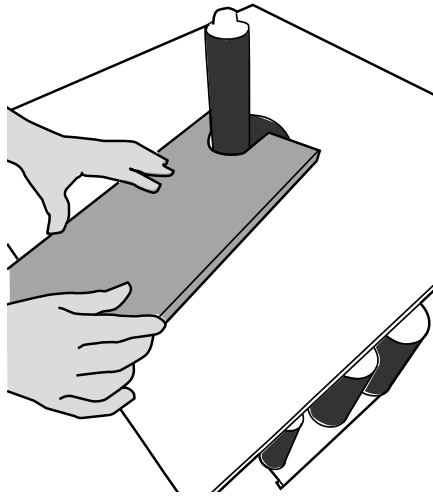
The belt sander removes material from edges or corners of material.

The table can be tilted, to sand at a specific angle.

To avoid wearing the paper in one spot, move your workpiece around the table.

THE SPINDLE SANDER IS FOR SANDING INSIDE CORNERS AND CURVES.

P. 5



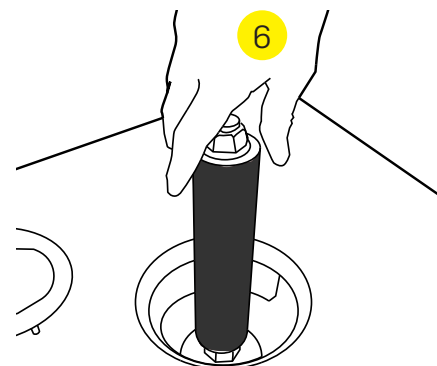
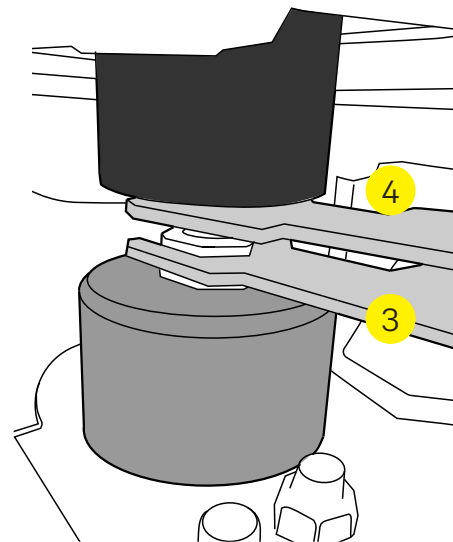
SPINDLE SANDER

The spindle sander is made for sanding inside curves. The sanding drum rotates, while moving up and down. Different diameter drums can be installed by the user, to best fit the workpiece.

The table can be tilted, to sand at a specific angle.

CHANGING DRUMS

1. Press the power disconnect on the wall, behind the sander.
2. Remove the table insert.
3. Put a wrench on the top of the sander spindle (under the table), to keep it from rotating.
4. Place the second wrench on the bottom of the sanding drum, and rotate CCW to loosen.
5. Unscrew the drum, and return it to the rack.
6. Place the new drum on the spindle, and turn it by hand, to tighten.
 - ▶ Do not use a wrench to tighten.
7. Replace the table insert.
8. Use the smallest table insert possible.
9. Reset the power disconnect.



AREA AND MACHINE PREPARATION

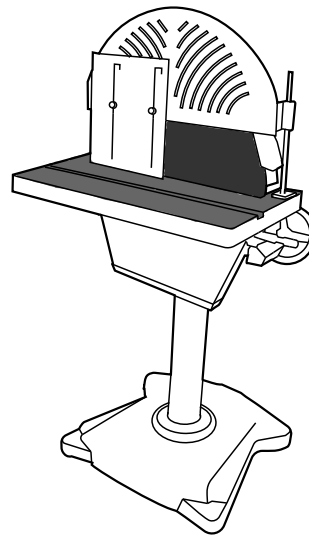
1. Clean and clear the table.
2. Make sure there is sufficient room around the tool for your workpiece.
3. Adjust the table if needed.
 - ▶ Unlock the table.
 - ▶ Rotate the handle to tilt the table.
 - ▶ Lock the table.
 - ▶ Return the table to 90 degrees after use.
4. If using the spindle sander, change the drum if needed.
5. Start the dust collector.

MAKE SURE THE WORKPIECE IS THICKER THAN THE GAP BETWEEN THE SANDPAPER AND TABLE.

USING THE SANDERS

1. Turn on the power and wait for the sander to come up to speed.
2. Slowly push the material into the sandpaper.
3. Stay in control of the material and use both hands.
4. The material must touch the table at all times.
 - ▶ Keep the material flat on the table if possible.
 - ▶ Keep at least one point of contact with the table at all times.
5. Only use the portion of the disc moving down towards the table.
 - ▶ Do not move the guards.
6. Turn off the sander.
 - ▶ Stay with the sander until it stops rotating.

CONTACT SHOP STAFF IF THE SAND PAPER IS WORN OUT OR DAMAGED.



CLEANUP

1. Wait for the sander to stop moving.
2. Brush off the table and clean up the area.
3. Put scraps in the trash and reusable pieces in the storage bin in the wood shop.

DO NOT CLEAN OFF THE TABLE WHILE THE DISC IS MOVING.