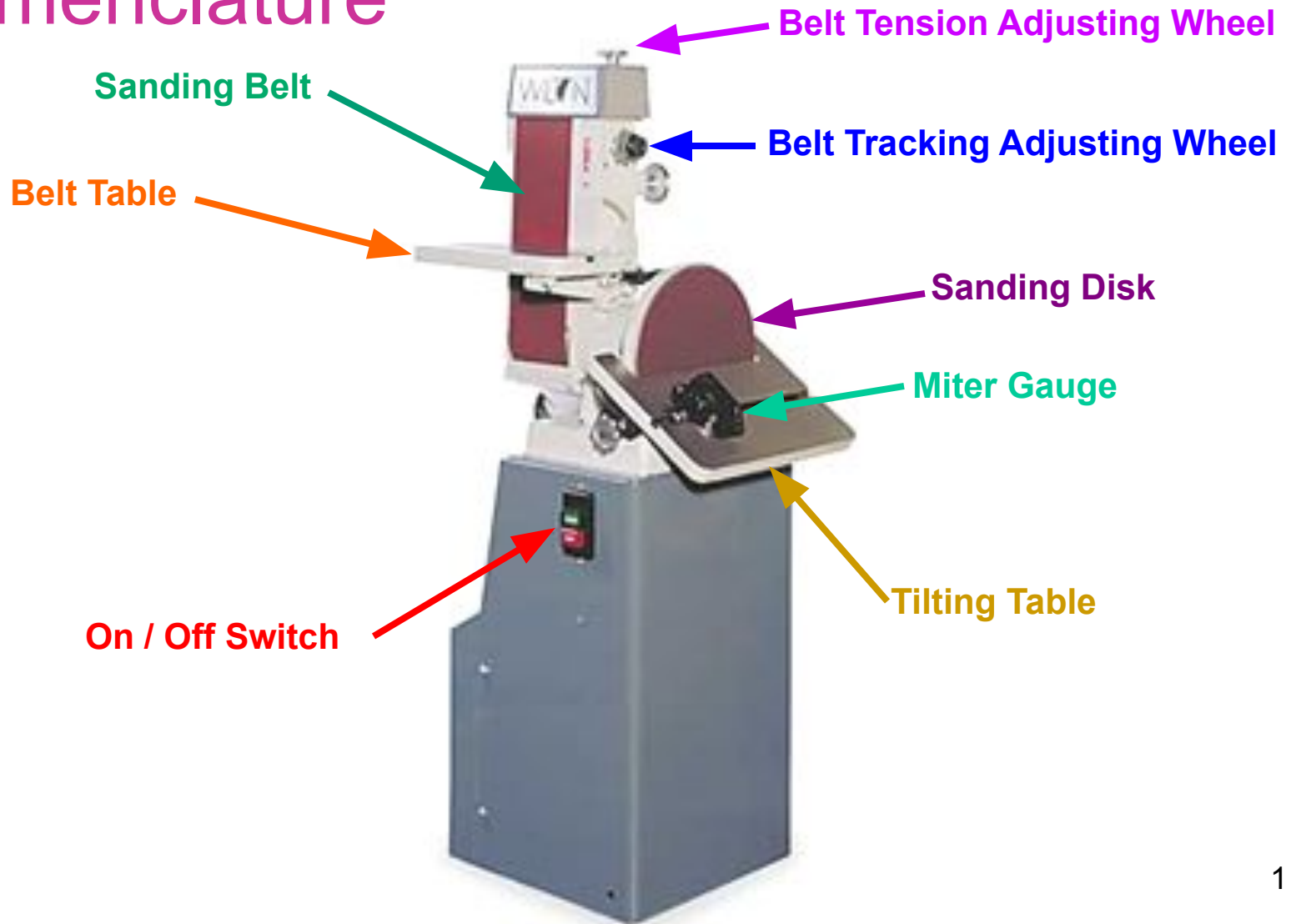


# The Belt Disc Sander

## Nomenclature



# The Belt Disc Sander

The belt sanders come in vertical or horizontal types. The wood is placed on or against a fence and forced into the rotating belt. The table can be tilted to sand beveled shapes.



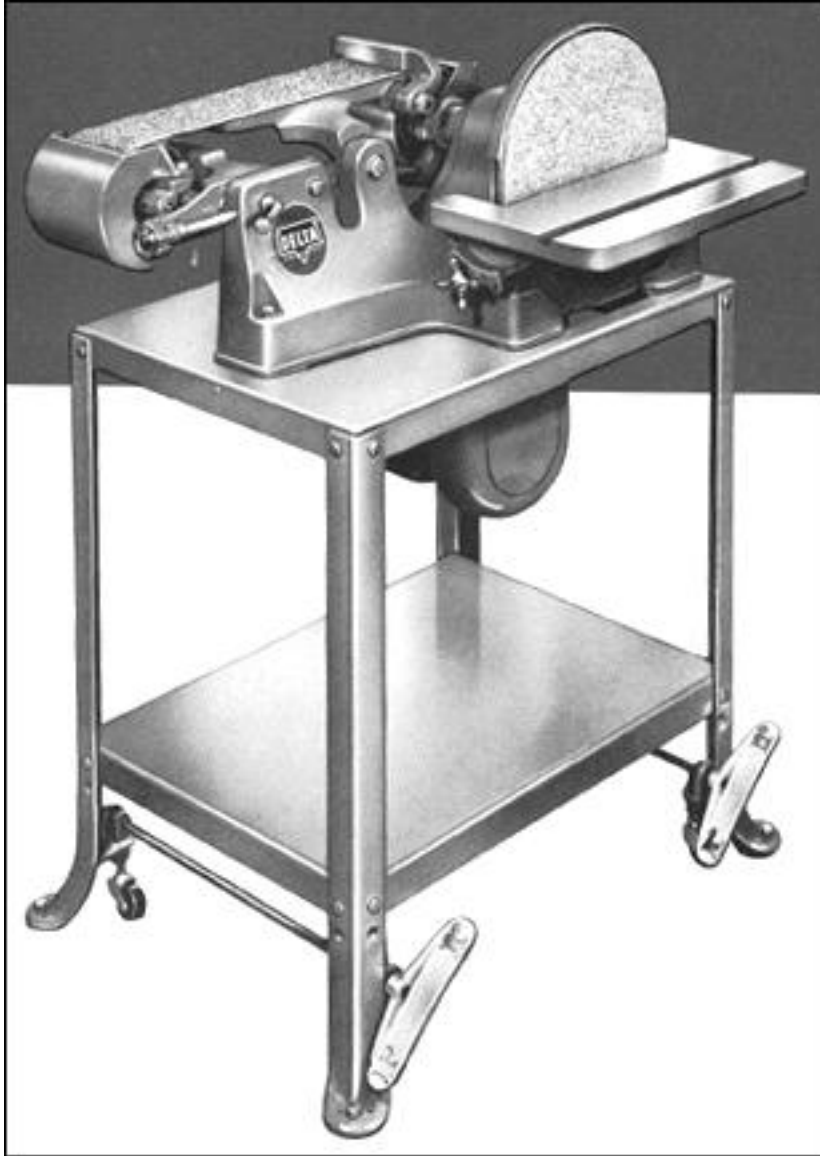
Direction of abrasive

The disk is used primarily for rough and end grain sanding. It can also be used for limited shaping.

# The Belt Disc Sander

**This machine is not a toy. Please use it accordingly. It is not to be played on. It is not for sharpening sticks or pencils.**





Delta is a well established company. This belt disc sander goes back to the 1960's.

**Locking wheel carts like this make it easy to move around a small workshop.**



# Finding parts can be a problem for some older machines.

Relatively speaking, belt disc combination sanders are a newer idea, and the machines don't go back very many decades... but keeping up with parts can be difficult if manufacturers can't stay in business.

# These Powermatic machines date back to the 60's and 70's.



**Manufacturers began using colors. To identify themselves from their competitors. Powermatic now uses gold.**



Check out  
this industrial  
monster...  
with a 30"  
diameter  
sanding disc.

**The tilting table is so  
massive it comes with  
it's own crank wheels.**

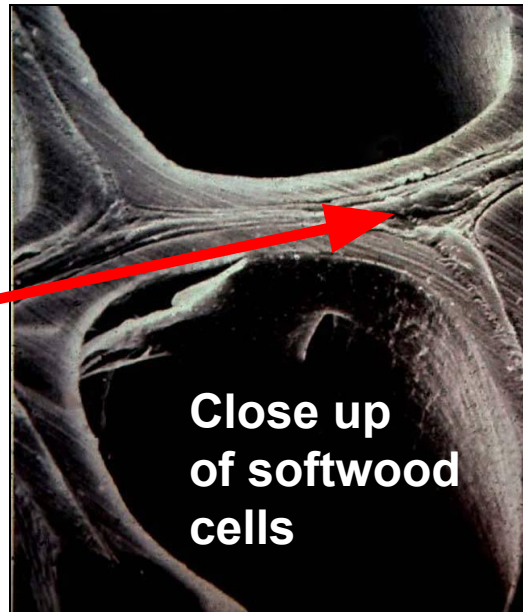


# Coarse sandpaper is a first line of defense against tool and machine marks.

The down side of the disc is the proper and safe side to sand on.

But when wood has a chance to heat up, the resins bubble to the surface. This can load up the abrasive and as it cools, it ruins a perfectly good belt or disc.

Avoid overheating by keeping the work in motion while also keeping it against the table or fence.



Lignin acts like glue to hold cells together.

[See Abrasives](#)

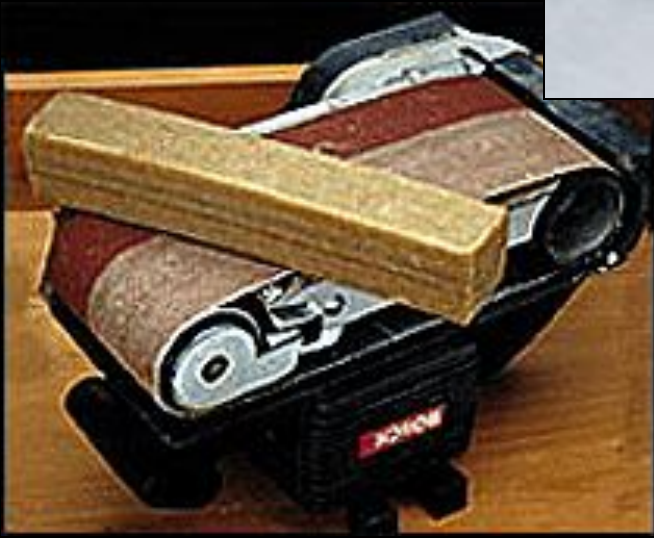




# When kept clean, abrasive will last up to 10 times longer.

This disc & belt cleaner is relatively inexpensive when you consider how much longer abrasives can last.

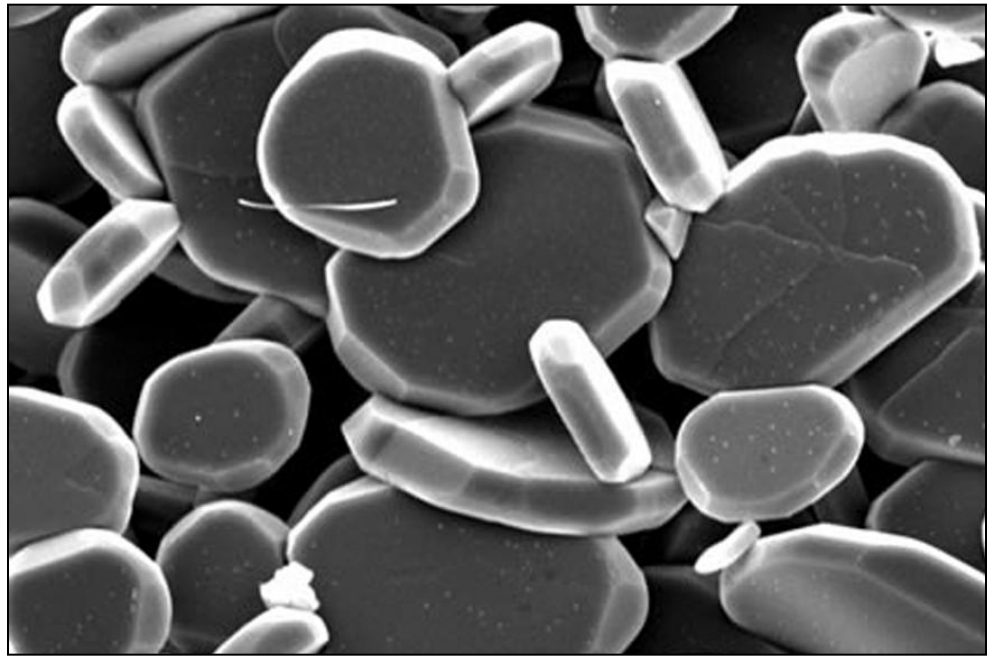
**Remember, don't over heat the work!**



Turn on the dust collection system. It filters out particles in the air as small as 5 microns.

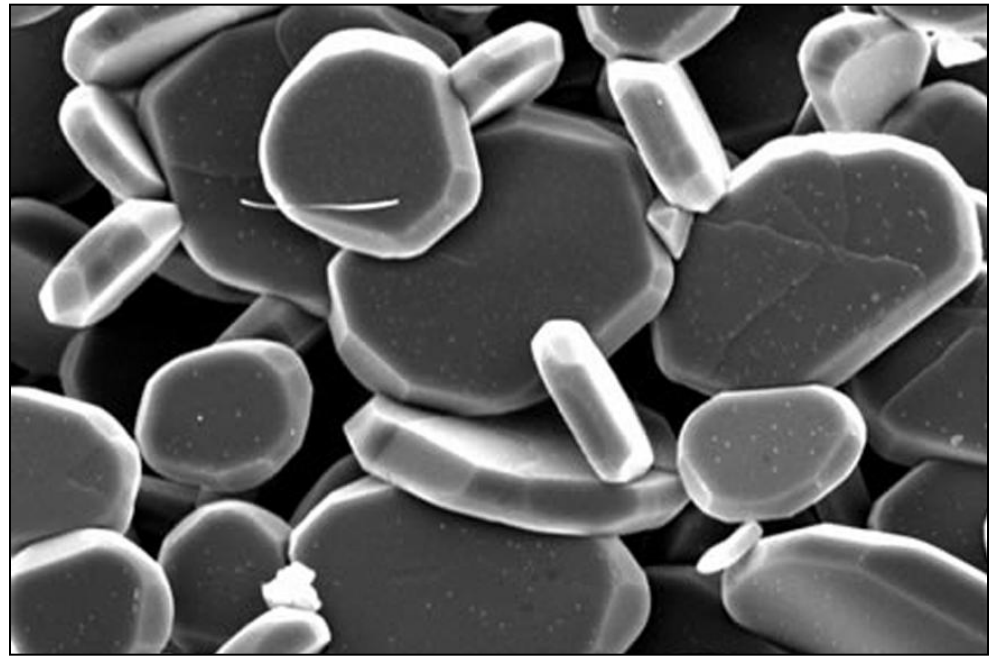


Use a dust mask if there is not a dust collection system available.



Close up of small 5 micron powder.

Turn on the dust collection system. It filters out particles in the air as small as 5 microns.



**Long term exposure to wood dust may be harmful and later cause respiratory illnesses.**

# Safety Rules

1. Wear safety glasses, and no loose clothing.
2. Turn on the dust collector.
3. Make all adjustments with the power off.
4. Check the belt and disc to see that it is not torn or loose.
5. Allow the machine to reach full speed before applying work.
6. Sand only on the down side of the disc (left side is the down side.)

7. **Keep work in motion** across the abrasive surface.
8. Hold work carefully. **Do not expose fingers** to danger. Don't let them slip.
9. Do not attempt to sand **undersized pieces**.
10. Do not hold the project above the table.
11. **Do not apply excessive pressure** as to overload the machine or heat up and burn wood.
12. **Don't play with belt adjustments**.
13. When you are finished, turn off the machine and clean up the area.

Adhere to lockout /tagout rules and procedures

**Malfunctioning machines must be taken out of service and not be used.**

DO NOT USE any machine that has a locked switch with a DO NOT OPERATE tag on it.



The End