

7. Belt Sander





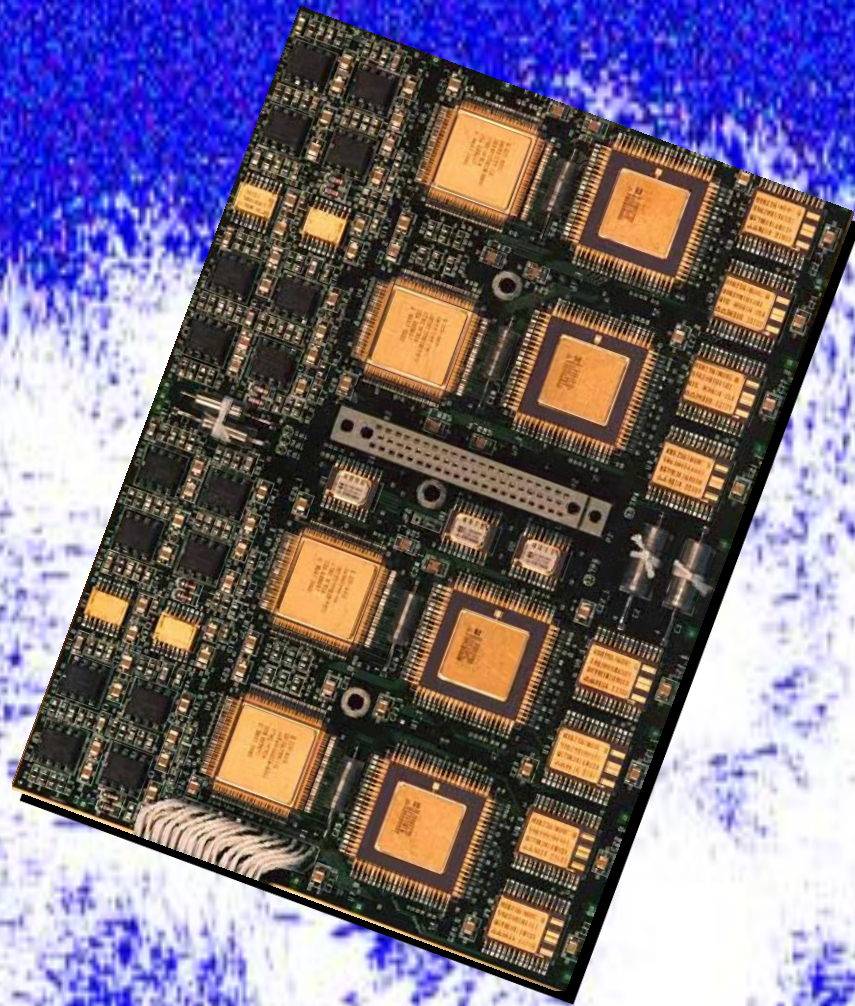
The belt sander is useful for removing burrs and rough edges from parts. It features an abrasive belt riding over two pulleys in a vertical motion. The sander pictured here also has an attached sanding wheel.



The belt sander generates particles which may be toxic. Use a sander with a vent attached and wear a mask before sanding work.



A full face mask is also advisable when sanding, as it will keep particles out of the face and eyes as well.



Don't use the belt sander on printed circuit boards or fiberglass. Both produce toxic particles and should be avoided.



There is a pinch point where the sanding surface meets the table. The gap between them should be no wider than 1/16" (the width of a penny) to minimize this hazard.



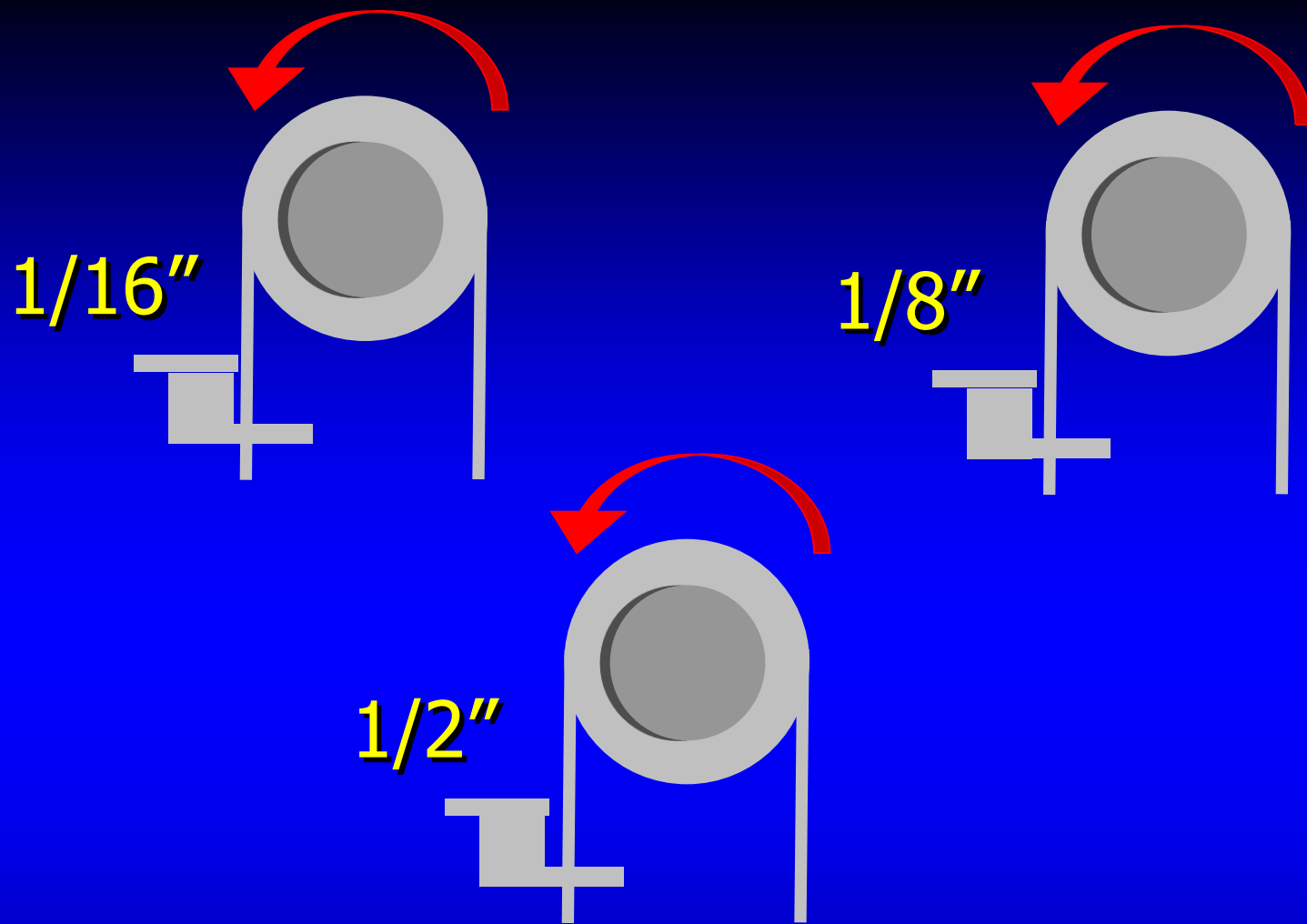
When smoothing edges and rounding corners of workpieces, the work should be supported on the table of the machine.



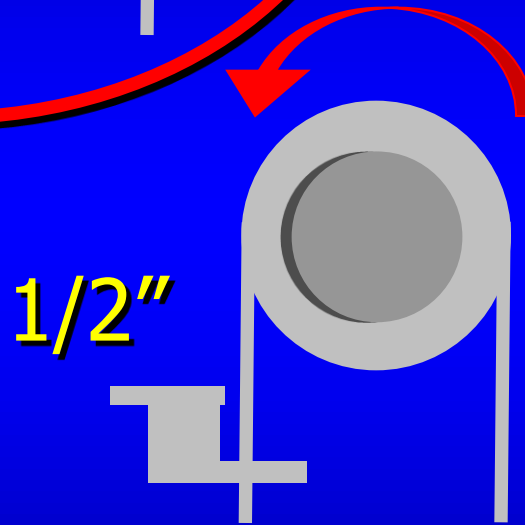
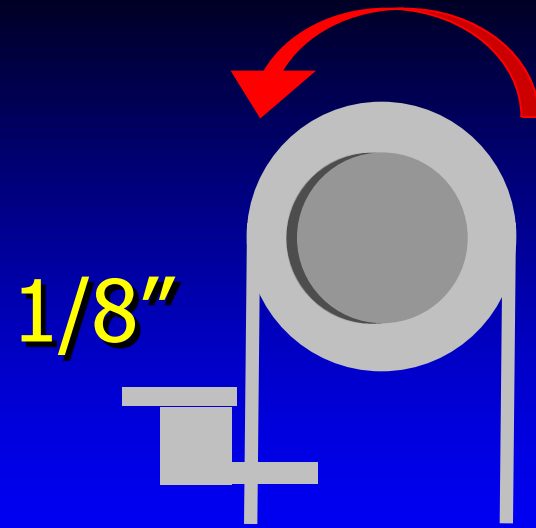
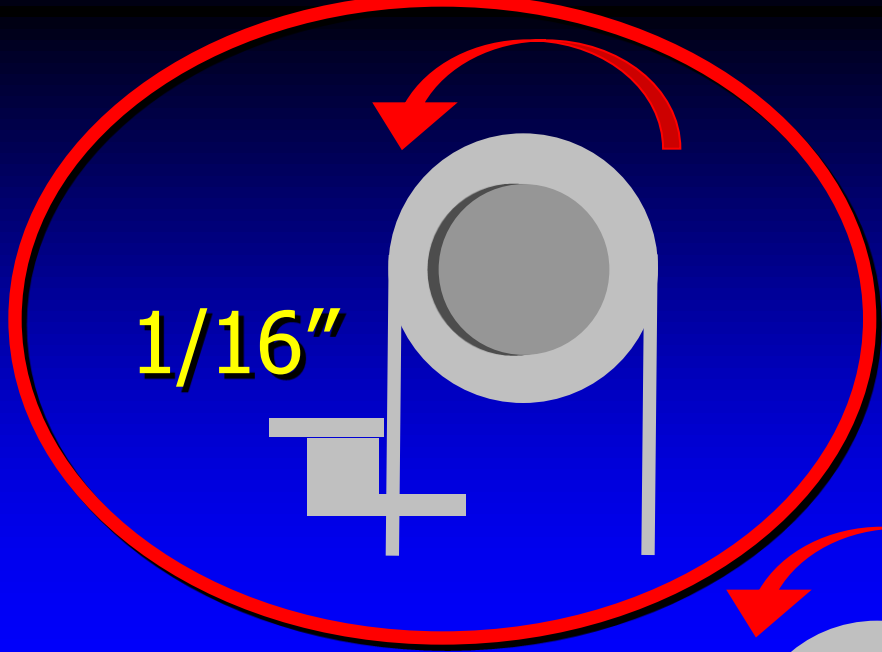
Always point the work down into the belt. This will prevent the belt from catching the workpiece and causing a possible injury.



Avoid pressing the workpiece to the sanding belt with your fingers. Use a clamp or other tool to keep the point of contact at a safe distance.



Q: Which is the correct clearance for the tool rest?



A: The tool rest should be set at no more than 1/16", or the width of a penny.

Let's Review

- Wear a mask
- Use a vented machine if possible
- Don't sand printed circuit boards or fiberglass
- Toolrest should be set at 1/16" clearance
- Support work on table
- Point work down into belt, not up
- Use clamps or tools, not hands, to press workpieces to belt

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