



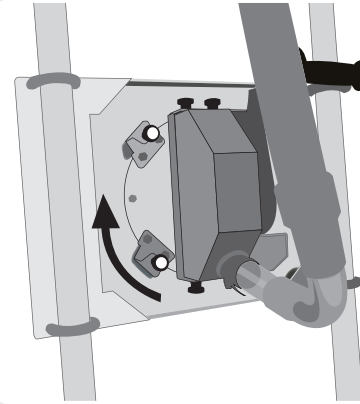
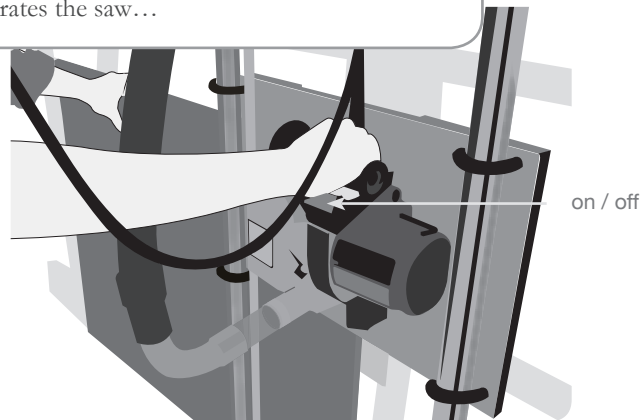
the
PANEL SAW

The **panel saw** is used to make straight cuts in large pieces of sheet material. The panel saw makes either rip cuts (lengthwise across the sheet) or cross cuts (widthwise across the sheet). The panel saw should be used to cut sheet material into manageable size pieces for machining on the table saw or other equipment.

step by step

1. Place your sheet material on the rollers to the left side of the saw carriage.
2. When performing a cross cut make sure the saw carriage clamp is loosened and the saw mounting plate is rotated with the saw blade perpendicular to the floor.
3. For cross cuts, hold the material at the desired length with one hand. With the saw at the top, turn it on and bring it all the way down through your material. Turn the saw off at the bottom. Wait for it to stop. Move the saw carriage up before removing your material.
4. When performing a rip cut, rotate the saw with the blade parallel to the floor, set the carriage height to your desired rip dimension, and tighten the saw carriage clamp.
5. For rip cuts, use two people to feed the material from the left to the right. Push the material with one hand and keep it against the rollers and frame with the other. The second person pulls the material to complete the cut. Turn the saw off and wait for it to come to a complete stop before removing your material.

one hand steadies material while the other operates the saw...

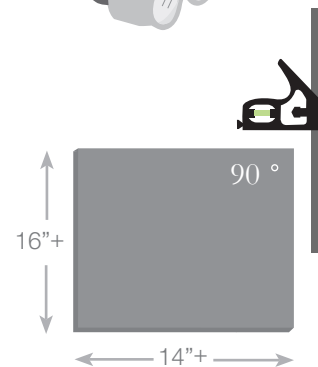


The saw can be rotated to make horizontal cuts.

Make sure the saw mounting plate is turned the correct way for your desired cut.

safety

- Sheet material must be 14" or wider and 16" or longer for you to cut it on the panel saw.
- Never reach your hands under the carriage.
- Make sure material is resting evenly on the rollers.
- Material should be square or rectangular with no curved edges.
- Be sure to turn off saw and let it come to complete stop before moving material.
- Do not cut metal on the panel saw, if you need to cut plastic ask the staff for assistance.





INSTRUCTIONAL
FABRICATION



School of the Art Institute
of Chicago