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Epilog Laser ZING 30 Watt



DO NOT ENGRAVE OR CUT PVC OR VINYL: Never engrave or cut any material containing PVC or vinyl. When engraved, a corrosive agent is produced that will destroy the machine.

FILE SETUP:

The maximum bed size for *vector cutting* or *raster etching* is 16" x 12" or less.





Black graphics represent the area to be etched; or rastered. (*other colors can be mapped to various power settings**)

Red lines are vector cut lines to be set at **.001pt.** (*The laser will first etch/raster, then cut/vector your design.*)



Illustrator, CorelDRAW, & Photoshop are recommended for this machine, although any vector based software is compatible.

Always save your work. CTRL+S Windows or Command+S Mac




SETTING UP LASER:

1. The power switch for the laser is on the bottom right side of the laser case.
2. Place your material in the laser cutting tray and push it against the rail at the top left. (*Make sure this lays flat.*)
3. Press the  button on the ZING to turn on the red dot. Align your home coordinates; where the x,y axis starts. (o,o)
This can be at the top left of your material, center, or top center. (*Just use top left for now.*)
4. Press the X/Y Off  button on the ZING, to manually move the laser carriage to the x/y (o,o) point. Once it is in the proper orientation press GO  to set your home coordinates.
5. Focus the lens by pushing the Focus  button, and use the dangling spring to focus the lens. Use the up & down arrows to raise & lower the bed so that the spring is just touching your material.

PRINTING TO THE LASER:

1. After setting up your file and work area/artboard, type Ctrl+P/Cmmd+P and select **Epilog Engraver Win32 Zing (USB)**
2. Click on **properties**> the print dialog box will open, (*this is where you set your dimensions, power settings, and DPI etc.*)
 - a. (*Keeping a cutting/etching journal for your first projects is recommended.*)
 - b. Refer to the Zing user manual Appendix B pg. 143-144 for recommended settings. This is a good starting point.
(*If unfamiliar with a material, it is good practice to test it before committing to the full print.*)
3. After selecting your power, speed, artboard size, DPI, etc. press ok > print.
4. Turn on the exhaust fan.
5. Press the Jobs  button. The most recent file to be sent to the ZING will be the first file to show up. Select the file you want & press GO .
6. Always remain in the vicinity of the laser while in operation, & be aware of any material problems. Listen for any irregularities in the operation of this machine.

SAFETY/CONTROL MEASURES:

- Lifting the lid while the laser is in operation will cut power to the laser. The carriage will keep moving & this will ruin your job. (*quickest way to abort etching/cutting.*)
- Press pause  button while etching/cutting to stop at the end of the current line. (*good for checking material/settings.*)
- Press GO  to resume or RESET  to move it back to it's home x,y coordinates: (o,o) point.

CLOSING JOBS:

1. Turn off Exhaust Fan and ZING.
2. Wipe down glass & cloudy areas in the laser bay.
3. Put everything back the way it was when you started.

Remember to reserve a time slot on the website to ensure you are able to use the machine when you want to.

**(See advanced class for color mapping & other techniques using this laser.)*