

## LASER CHECKLIST

Remember:

1. Set lines you want to cut to a “hairline” thickness in CorelDraw
2. Make sure any lines or text you want engraved and not cut to a thickness that is anything but hairline?
3. Consult the “Material Settings” when inputting your settings
4. Insert your material and line it up in the upper-left-hand corner, along **both** rulers?
5. Close the glass lid?
6. Turn on the exhaust?
7. Turn on the laser?
8. Turn on the air compressor?
9. Send the print job from the CorelDraw on the Windows computer? (LCD screen on front of laser should have a number and the name of your file after “Job:”
10. Make sure that your file will fit on your material?

**Then push the green go button to start your cut!**

-Push the red button to pause

-Lift the lid to stop the laser from firing (machine will still move)

-Hit the ‘reset’ button to set it back to the start

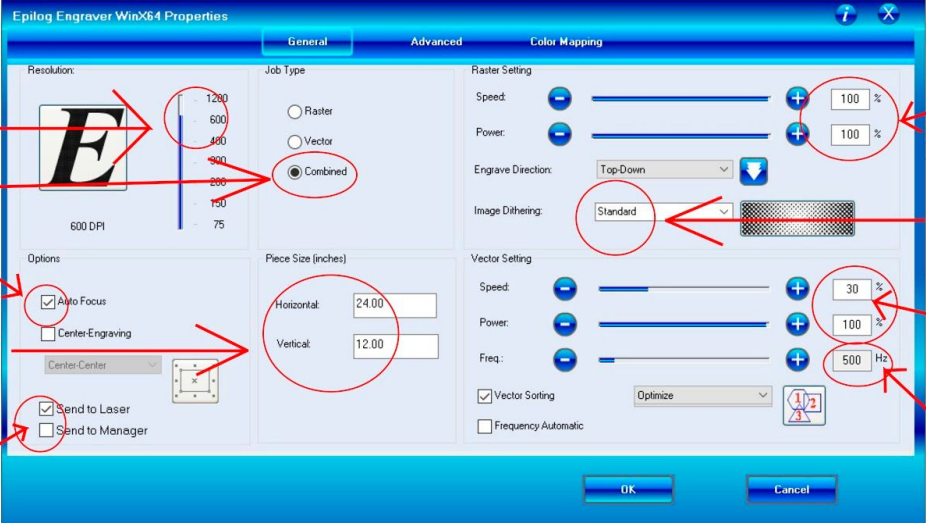
-Push the green button again after cut has finished, or after hitting the reset button, to re-cut the same file.

**In an emergency TURN OFF MACHINE with the switch on the left side.**

## SAMPLE SETTINGS

This is an example of good starter settings for cutting through and engraving an image onto  $\frac{1}{8}$ ” **baltic birch plywood**. For settings to be used on other materials, refer to the “Material Settings” section of the Epilog User Manual (laminated for your reference on the Windows computer desk). Keep in mind that our laser is a **50 Watt** laser.

**Remember that you can always use a small piece of scrap to test your settings.**



The screenshot shows the 'Epilog Engraver WinX64 Properties' dialog box with the 'General' tab selected. The 'Resolution' is set to 600 DPI. The 'Job Type' is set to 'Combined'. The 'Piece Size (inches)' is set to 24.00 Horizontal and 12.00 Vertical. The 'Raster Setting' includes Speed (100%), Power (100%), Engrave Director (Top-Down), and Image Dithering (Standard). The 'Vector Setting' includes Speed (30%), Power (100%), and Freq. (500 Hz). The 'Options' section has 'Auto Focus' checked and 'Send to Laser' checked. The 'Send to Manager' checkbox is unchecked. Red arrows point to various settings with annotations: 'Standard for all files unless manual says otherwise.' points to 600 DPI; 'Even if there is vector or raster data present, both won't engrave unless this is selected.' points to the 'Combined' radio button; 'Important!' points to the 'Auto Focus' checkbox; 'These dimensions MUST match the document size in CorelDraw! you can see the page dimensions on the top of the screen with no objects selected' points to the piece size fields; 'Always send to laser' points to the 'Send to Laser' checkbox; 'To go darker, lower speed. to go lighter, lower power.' points to the Speed and Power sliders; 'Change to "Jarvis" if engraving photo' points to the Image Dithering dropdown; 'If it doesn't cut all the way through, lower speed.' points to the Vector Speed slider; and 'Frequency is 500 for all organic materials (wood, paper, fabric). You cannot type in this box, must use slider.' points to the Freq. dropdown.