**Using the Epilog Fusion Laser Cutter**

1. Use the keycard or passcode to unlock the keyboard/mouse for the computer.
2. Log in using your Rice Net ID and password combination.
3. Turn on laser cutter and make sure it initializes correctly.
4. Make sure air valve is turned on.
5. Turn on exhaust fan.
6. Using the blue focus tool manually set the focal distance for the material you are using. If you are using more than one material of different thicknesses, you will have to do this for each one.
7. Launch Adobe Illustrator
8. Under the ‘File’ tab, open a ‘New from Template’ document. Choose the template that is for the Epilog laser. The template is in the Adobe Illustrator folder under Templates.
9. Copy your file onto the template.
10. Adjust any line thicknesses to the appropriate size for either Vector cutting or Raster engraving. A line weight of .001” will be a cut, anything .003” or greater will be engraved.
11. Go to ‘File’ and ‘Print’ to bring up the menu for the print driver.
12. Make sure that the “Epilog Fusion – Copy 1” is selected as the printer.
13. Go to “Preferences” at the bottom of the page. This will bring up a secondary menu to set the power and speed settings.
14. In the new menu window, you can now choose what mode you want to operate in: Vector for cutting or Raster for engraving, or Combo for both cutting and engraving.
15. After choosing the operating mode, make sure the CO2 checkbox is checked.
16. Make sure that “Auto Focus” is unchecked.
17. Verify that the bed size is set to 40”x28”
18. To set the power/speed you can either manually set them or you can prepopulate from pre-set levels. To set them manually just scroll the bars or type in the numbers you want. To use prepopulated values, use the ‘Browse’ button to go to C: Program Files/Epilog.
19. Once power and speed settings are set, hit ‘Print’. This will take you back one level to the Adobe Illustrator print menu.
20. In the Adobe Illustrator print menu, make sure the orientation is correct, that you are printing the ‘visible and printable’ layers, and that the origin is set to the upper left hand corner and is at 0,0.
21. Hit “Print” to send the job to the printer.
22. Check the printer front panel display under the “Job” menu to find your job. Use the joystick to scroll thru the files.
23. Move the origin if necessary.
24. Close the lid and press the “Go” button.
25. Remove your parts and materials, turn off laser cutter and exhaust, log off computer and take any leftover materials with you.