Laser Cutting Worksheet

Please complete this worksheet and bring it with you to your appointment so we can help you with your project. Talk to shop staff or your faculty if you have questions.

Name:_____

Email:_____

Appt. Date and Time:_____

Class:_____

Faculty Name:_____

Laser Cutter: Large   or   Small

Laser Cutter Settings

Material:_____

Thickness:_____

Notes:

_____
_____
_____
_____
_____
_____

Laser Cutter Payment
(To be completed by shop staff)

Total Cut Time_____

　　　　　X $0.50

Total Cost_____

Paid ☐

Laser Cutting Reminders

- Make an appointment
    - 3D Shop Intranet page
    - Full length of project run time
    - Need to be present the whole time
- Save file for Illustrator (ai, psd, jpg, tiff, pdf, etc.)
- Bring file to appointment (3D shop does not provide flash drives or floppy disks)
- Set up your file with the correct colors and line weights
    - Template on 3D Shop Intranet page
    - To cut out shapes: RGB 255 **Red** and .001" line thickness
    - To engrave lines: RGB 255 **Blue** and .001" line thickness
    - To engrave photos or solid shapes: **Black and Shades of Gray**
        - Line thickness can vary based on how wide you want the line to look
        - The darker the shade of Gray the deeper the engraving and the darker the burn
- Be aware of max. size limitations
    - Large laser cutter: 24" x 36"
    - Small laser cutter: 18" x 32"
    - Max thickness for cutting through:
        - Small Laser: ¼"
        - Large Laser: ½"
    - Max thickness for engraving: 8" (small) & 12" (large)
- Check with shop staff about your material choice. Some materials aren't able to be laser cut or create toxic fumes. Doing some research on the internet beforehand can be helpful.
- The cost of laser cutting is based on the time to run your project. $0.50 per minute.