

Laser Cutting & Engraving Procedure

The Buffalo & Erie County Public Library now offers laser cutting, which cuts and etches on a variety of materials including wood, acrylic, and glass can all be accomplished using our laser cutter & engraver.

1. Library patrons must be “certified” before they can use the Laser Cutter & Engraver. Please call 858-8900 to request a one-on-one Laser Cutting & Engraving training appointment.
2. Once a library patron is “certified”, they may use our Laser Cutter & Engraver whenever the Launch Pad is staffed.
3. To cut or engrave, library patrons must have a compatible design in JPG, PNG, SVG, or PDF. You can create compatible files from a variety of different software platforms like Adobe Illustrator, Adobe Photoshop or TinkerCAD.
4. Material approval is up to the discretion of the Launch Pad staff.
5. Laser cutting and engraving is free for library patrons, as patrons must provide their own materials to cut or engrave. No materials will be provided by the library.
6. The Laser Cutter & Engraver will be available on a first come, first serve basis.
7. Library patrons must stay and watch the cutting or engraving of their project for the entirety of the process.
8. Only library staff can add or remove objects from the Laser Cutter and Engraver.
9. Cut or engraved objects are handed over “as is”. The Buffalo & Erie County Public Library is not responsible for any damage caused to personal belongings during the cutting or engraving process.

The Library’s 3D Printers/Scanner may only be used for lawful purposes. Cutting or engraving weapons, sexually-explicit materials and other items that contravene the Library’s Rules of Conduct are not allowed.

Features

- Our laser cutter/engraver is a Glowforge Pro model.
- Maximum size of materials is 19.5" x ∞ x 2".

Approved Materials for Cutting & Engraving:

- Wood (unstained/unpainted)
- Paper & Cardstock
- Cardboard
- Cork
- Acrylic, Lucite, Plexiglas or PMMA
- Rubber
- Leather

Approved Materials for Engraving Only:

- Glass
- Marble
- Titanium
- Ceramic Tile
- Anodized Aluminum

The MakerSpace will not engrave or cut:

- Stained woods
- Metals
- MDF
- Vinyl
- Plastic
- Polycarbonate/LEXAN
- Foam
- Fiberglass