

Library Makerspace Supplies

Fee Schedule

Last updated, August 2022

Prices are based on actual costs and are subject to change. Materials must be approved for use in maker equipment. Use of maker equipment is free if user provides their own approved materials. **Only staff and trained volunteers will have hands-on access to maker equipment.**

Ultimaker 3D Printer and Toybox 3D Printer – \$1.00 per 15 grams (estimated in Cura software)

Types of filament include (color availability limited based on material type):

- PLA – polylactic acid, widely used and recommended for beginners and most prints*
 - All Toybox filament is 1.75 mm PLA (wide color selection available, design size limited)
- Tough PLA – technical polylactic acid, ideal for functional prototypes and larger sizes
- TPU – thermoplastic polyurethane, semi-flexible, for use where performance is more important than aesthetic quality
- CPE – co-polyester, tough, chemical resistant used for function prototyping and modeling
- PVA – polyvinyl alcohol, used to create water-soluble support structures for complex geometries

Glowforge Laser Engraver – Sold per sheet

Sheets available in different materials, generally 12x19" sheets:

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| <ul style="list-style-type: none"> • Acrylic – 12x19" sheet, 2.6 mm (1/8") thickness <ul style="list-style-type: none"> ○ Regular ○ Specialty color/finish - varies | \$7.00/each \$10.00+/each |
| <ul style="list-style-type: none"> • Wood – 12x19" sheet, varying thickness: commonly 1.6 mm (1/16"), 3.2 mm (1/8") <ul style="list-style-type: none"> ○ MDF (laser-safe) / Draft board / Particle board ○ Plywood / Veneer ○ Solid wood (varies) | \$4.00/each \$6.00/each \$8.00+/each |
| <p>We are exploring laser-safe materials, check back for more options or bring your own. Some common material types for laser engraving include:</p> <ul style="list-style-type: none"> • Solid and veneer woods (check for non-toxic adhesives) • Acrylic sheets (Plexiglas, Delrin/acetal, Mylar) • Leather • Paper • Ceramic, marble, or slate • Engravable metals (Glowforge will not cut, only engrave coating) <ul style="list-style-type: none"> ○ All materials must be 5 cm (2") or shorter to fit under the laser head ○ Some suppliers to check out: <ul style="list-style-type: none"> ▪ https://craftcloset.com/, ▪ https://smokeyhilldesigns.com/ and ▪ https://laserwoodsupsupplies.com/ | Approved materials provided by users— FREE use of equipment. Size limits: 2" high and cutting area limited to 11"x19.5" |

Canon Large Format Printer: \$2.50 per square foot

Max width 24", common poster sizes: 24"x36" or 24"x48"

- Glossy photo/poster paper
- Matte photo/poster