

Laser Engraver

The laser engraver and cutter can etch or cut intricate designs, images, patterns, or text on to a wide range of materials.

Cost: Free to use machine, must bring your own material

Make Appointment:

Call the TechZone at 330-643-9145 or use our online booking at akronlibrary.org/tz

- Appointments are two-hour timeslots
- Only one appointment may be booked in a one-day period
- Appointments will be released to walk-ins after 20 minutes

Bring to Appointment Time:

- Library Card
- Signed User Agreement (required for first-time TechZone users)
- Premade design on a flash drive
- Material to use with Laser

Library Card:

- Free for Ohio residents
- Stop by any of our Circulation desks to sign up for card before appointment time

Use Agreement:

- Must be signed before using any equipment in the TechZone
- Can be signed the day of the appointment
- Stop by the TechZone to sign the agreement
 - A note will be added to your library account, so you don't need to sign each time

Designs:

- Files should be saved on flash drive ready to print
- The TechZone uses CorelDRAW to print on the Laser
 - CorelDraw (.cdr) is the best or have a SVG or PNG file at least
- Black and White. The black part image will be engraved
- If your design is not print-ready upon arrival, any required design time will be deducted from your scheduled machine time

Materials:

| Type of Material | Engraving | Cutting |
|---|-----------|---------|
| Wood | X | X |
| Bamboo | X | |
| Glass | X | |
| Coated Metal | X | |
| Anodized Aluminum | X | |
| Slate | X | |
| Canvas | X | X |
| Paper / Cardboard | X | X |
| Leather (Must be veg-tanned) (No synthetic leather) | X | X |
| Rubber (Must be engravable) | X | X |
| Natural Fabrics (Cotton & Bamboo & Denim) | X | X |
| Felt | X | X |

Materials that cannot be used:

- Bare Metals
- Mirrors of any kind
- Plastics of any kind
- Acrylics of any kind
- Bowls/ Trays with lips or edges
- Ceramics (just removes the gloss coating)

Cutting Materials:

- Must be under 1/4" thick to cut.
 - 1/8" is recommended
 - 1/4" will take multiple passes and may leave rougher edges

Materials Size:

- Bed size is 12 inches by 24 inches
- 5-inch-thick material can be placed in the machine
 - Engraving can only be done on the top surface