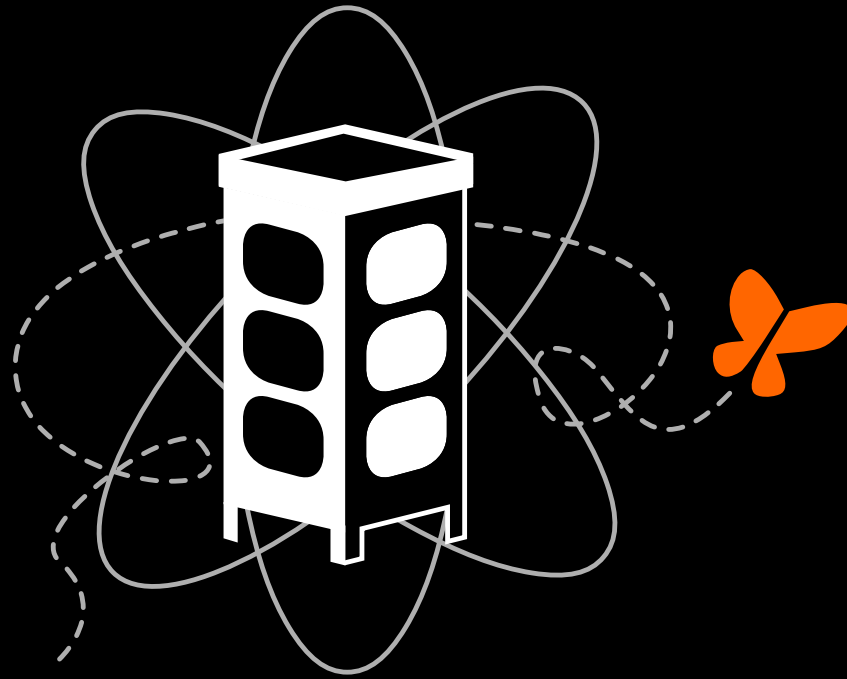


How to Laser Cut and Engrave



You can cut and engrave...

- Wood
- Acrylic
- Polyester (Vivac, Mylar)
- Polypropylene, Polyethylene
- Polystyrene
- Delrin
- Leather
- Cardboard
- Paper
- Rubber

Additionally you can engrave...

- Anodized Aluminum
- Painted brass
- Glass
- Marble

Forbidden Materials

- PVC! Generates poisonous fumes. Harmful to humans and the machine
- Any material you don't explicitly know that it is allowed

Testing if a material is PVC

- Cut of a small piece of the material
- Wrap a piece of copper wire around the material
- Light it and look for a blueish to turquoise halo
 - if there is a halo it is PVC
- DON'T INHALE THE FUMES

Wooden Brush Holder



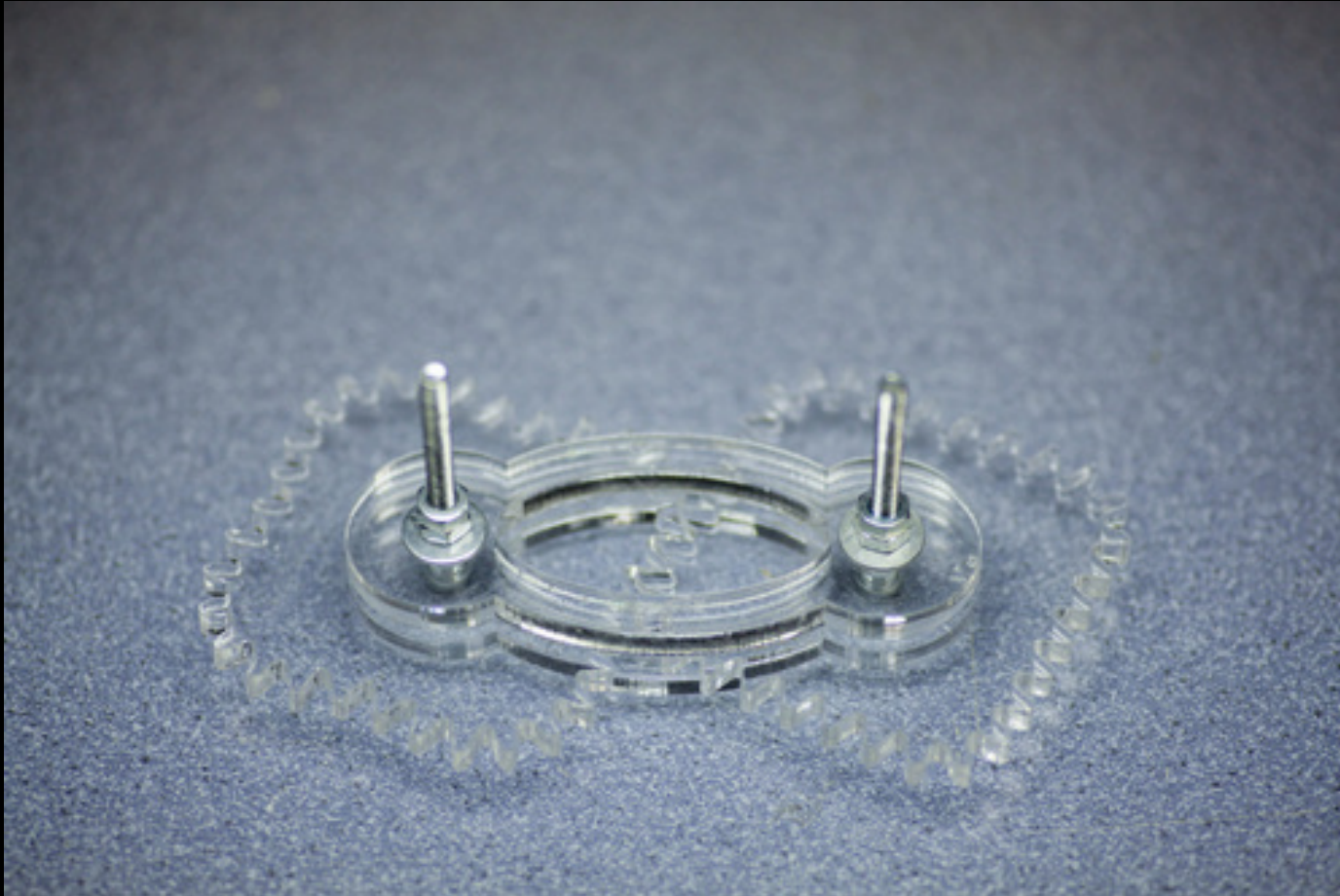
Engraved Leather Cushion



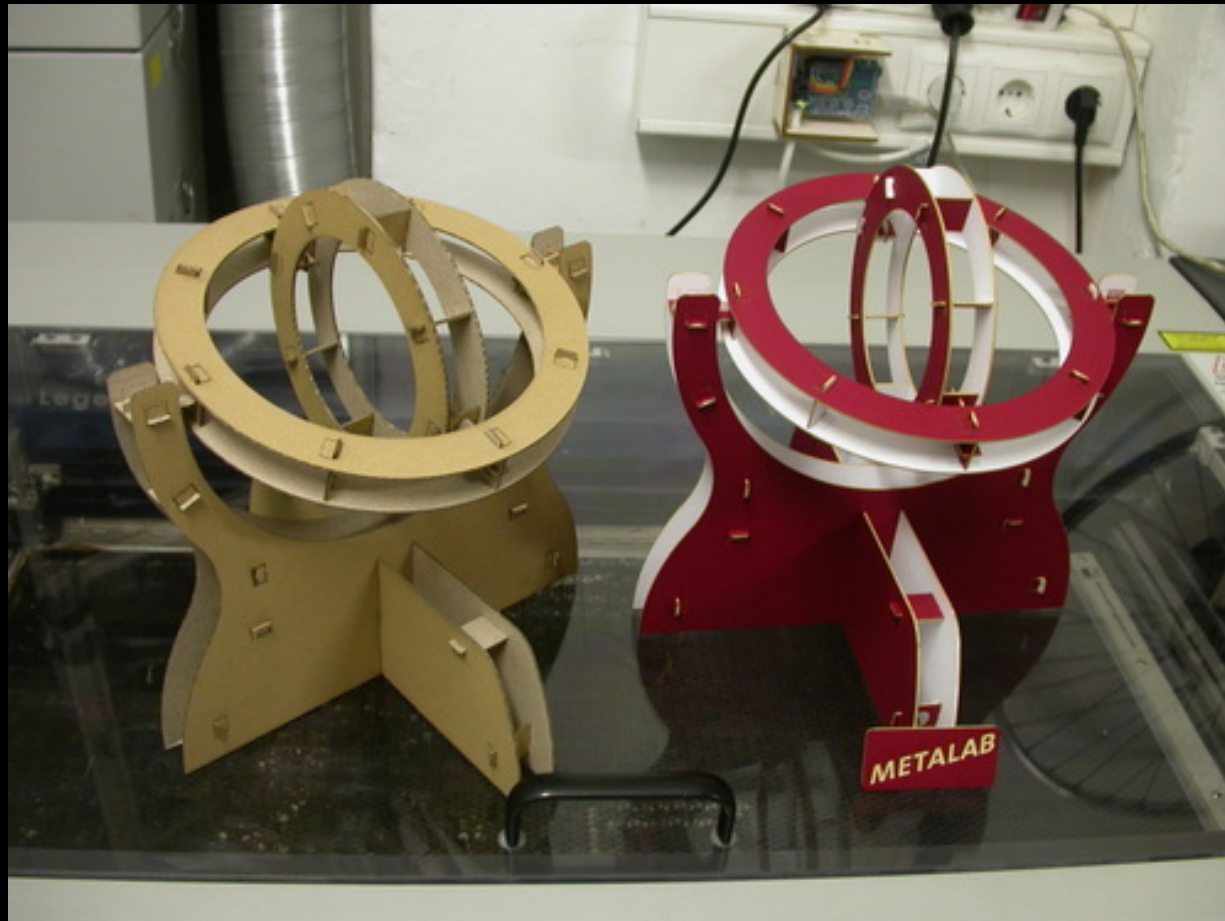
Acrylic Robot Flower



Square Gears



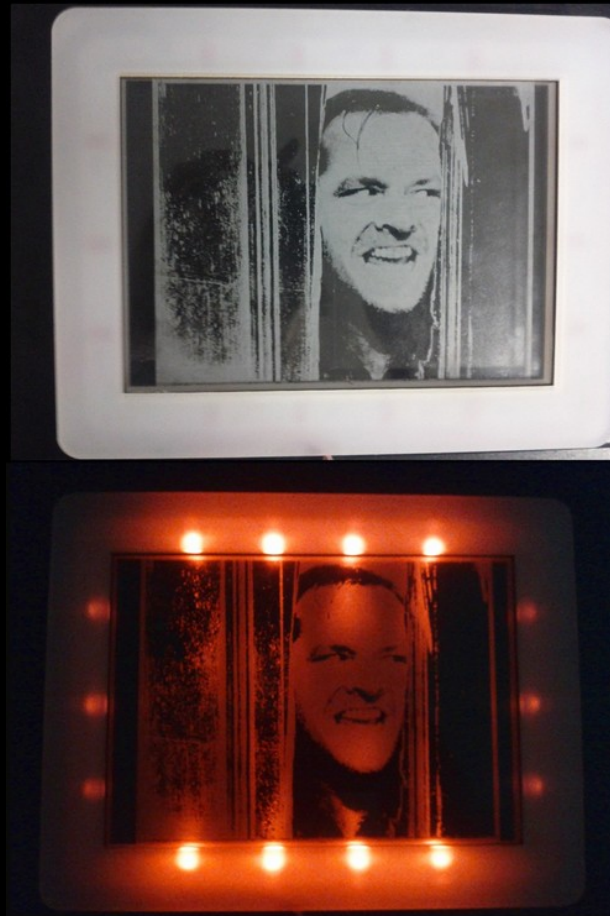
Cardboard Gimbal



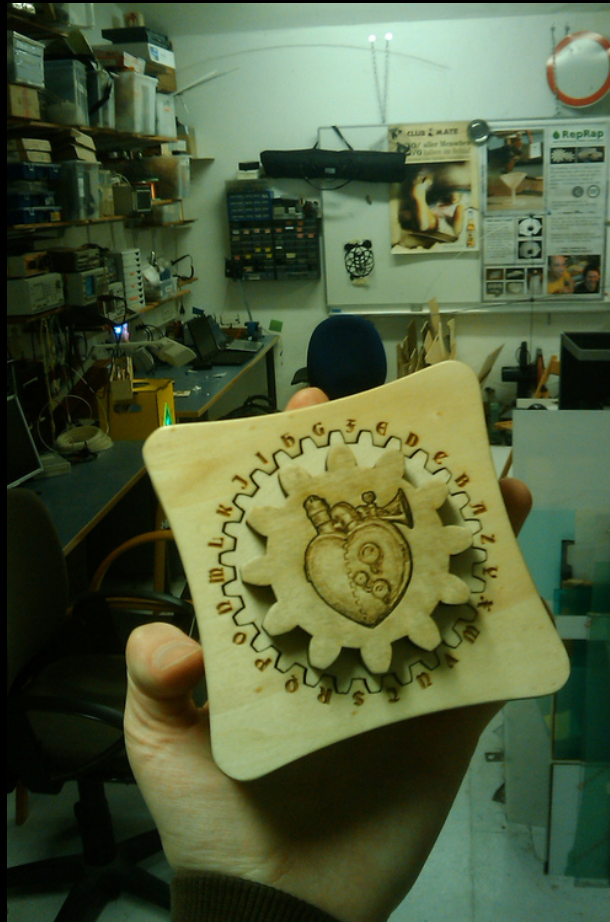
Glowing Acrylic



Glowing Glass



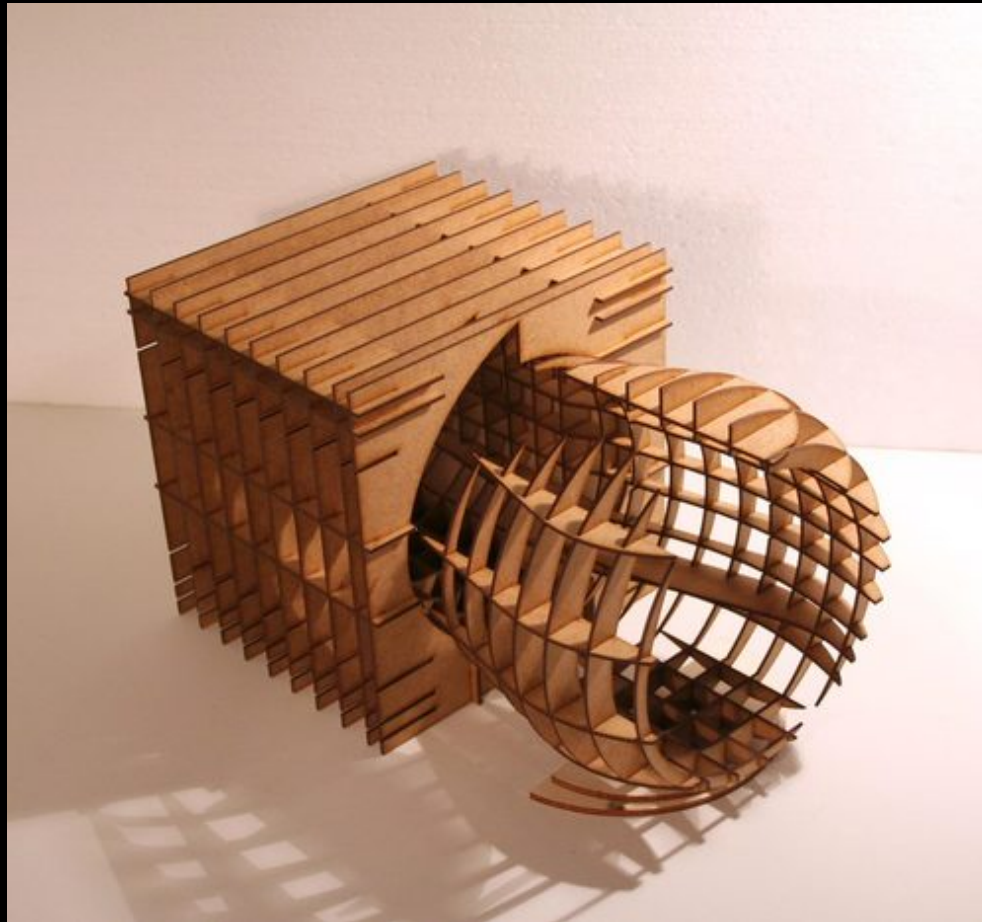
Wooden Treasure Chest



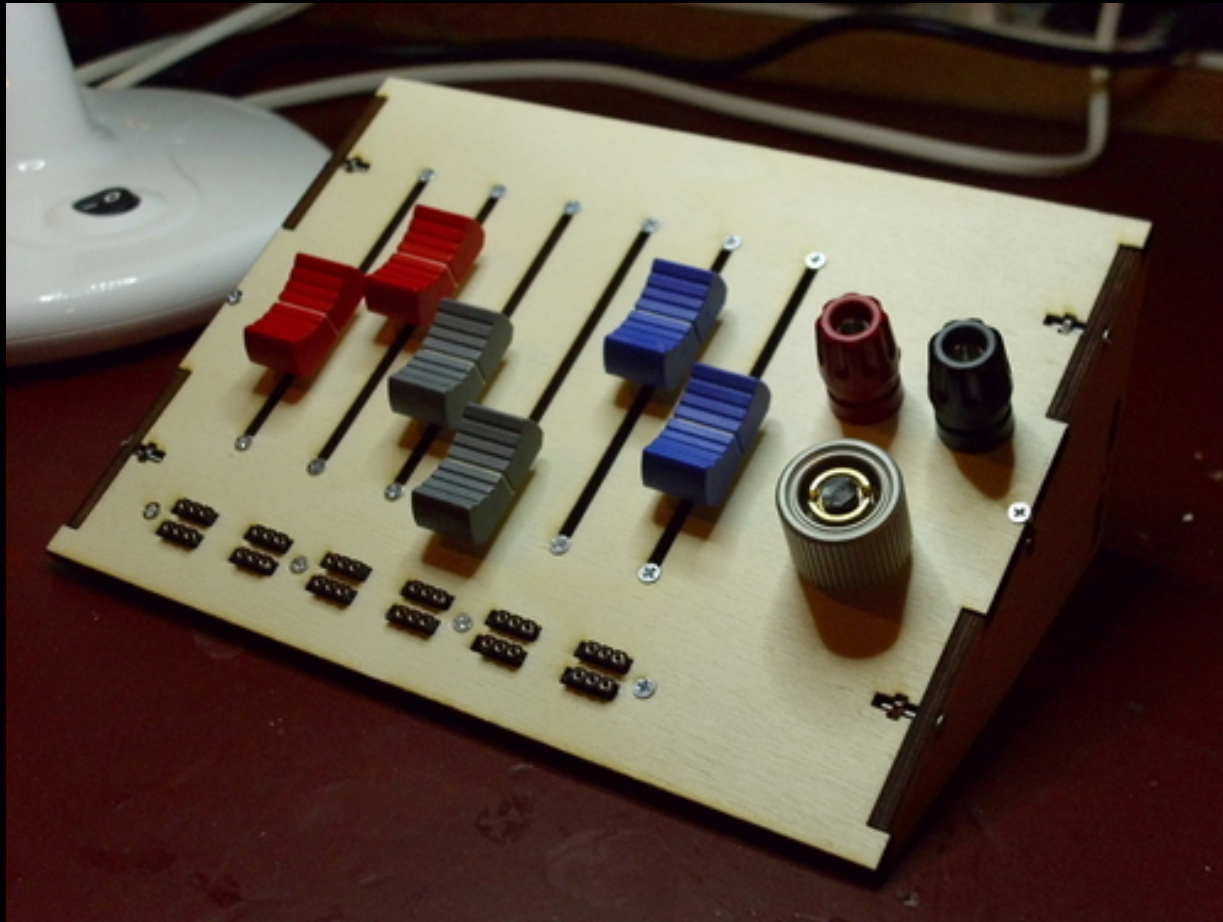
Engraved Jeans



Architectural Model



Wooden Slider Box



Rubber Stamp



Cardboard Stencil



Design Tools

- Inkscape
- Adobe Illustrator
- Autocad
- Corel Draw
- QCad

How?

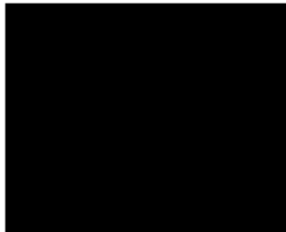
- Everything that is a hairline (or a line with 0,001 inch thickness) will be cut
- Everything else will be engraved
- Export as PDF file!



Will be cut



Will be engraved



Will be engraved

Resources

- How to Lazzzor

https://metalab.at/wiki/Laser/How_to_Lazzzor

- User's Manual

http://www.epiloglaser.com/downloads/pdf/ext_4.22.10.pdf

- Inspiration

<http://lazzzor.soup.io/>