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#MakersGonnaMake

Coaster Project



Our coaster project is a great way to get your feet wet with the equipment here at Do Space.

It teaches the following skills:

- The basics of loading the Glowforge
- How to quickly manipulate images so that they engrave well on the Glowforge and ULS Laser Cutter
- How to setup both vector and raster engravings on the Glowforge

Getting Started with Glowforge

If you've never used our Glowforge at Do Space, the first thing you'll need to do is create an account. Check the email we have in our member database, or the one you indicated at check-in for an email from Glowforge inviting you to use the Glowforge. Once you receive it, open the email and click the Click Here to Get Started link. If you already have a Glowforge account you can skip to Getting Started with the Project, but you will need to ask the staff to add you to the Glowforge.

What's in this kit?

- Glowforge Tpins - The Tpins are small wooden pins in a T-shape that will fit into the tray of the Glowforge and help hold the material down.
- 1 sheet of 1/8th inch birch plywood - You should be able to make at least 4 coasters out of this.

Digital Supplies

- SVG files to use as your cut lines:
<https://www.thingiverse.com/thing:4788403>
- Something to put on your coaster. You can use photos or find vector designs on the internet.



Getting Started with Glowforge

1. Download the cut files from Thingiverse. <https://www.thingiverse.com/thing:4788403>
2. Watch this video on loading the Glowforge: <https://youtu.be/o2Moh1qhJyg>
3. Decide if you want to use a photo or a vector graphic on your coaster
 - a. If you want to use a photo watch these two videos:
 - i. Prepping photos for engraving using Pixlr: <https://youtu.be/azT7QDEWY44>
 - ii. Setup for raster engraving: <https://youtu.be/yLtlCkFJYxg>
 - b. If you want to use a vector graphic watch this video:
 - i. Setup of for vector engraving: https://youtu.be/oY_S2ziGv6w

Already familiar with the Glowforge and just need the settings?

These settings are specifically for 1/8th inch (.125 inch) Birch Plywood from Woodpecker (Amazon). If you use any other material you will need to test it first.

Action	Speed	Power
Cut	200	Full
Engrave - Raster	1400	Full
Engrave - Vector	1000	80