DESIGN PORTFOLIO
ERIK CONTRERAS

> Industrial Design
> Lighting
> Creative Technology

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This design portfolio is dedicated to creating innovative and sustainable products that reflect my commitment to responsible design. I strive to embrace the changing world by creating designs that enhance people's lives while reducing their impact on the environment. Through my work, I aim to promote sustainability and inspire others to make a positive difference in the world.

LET'S CONNECT !!!
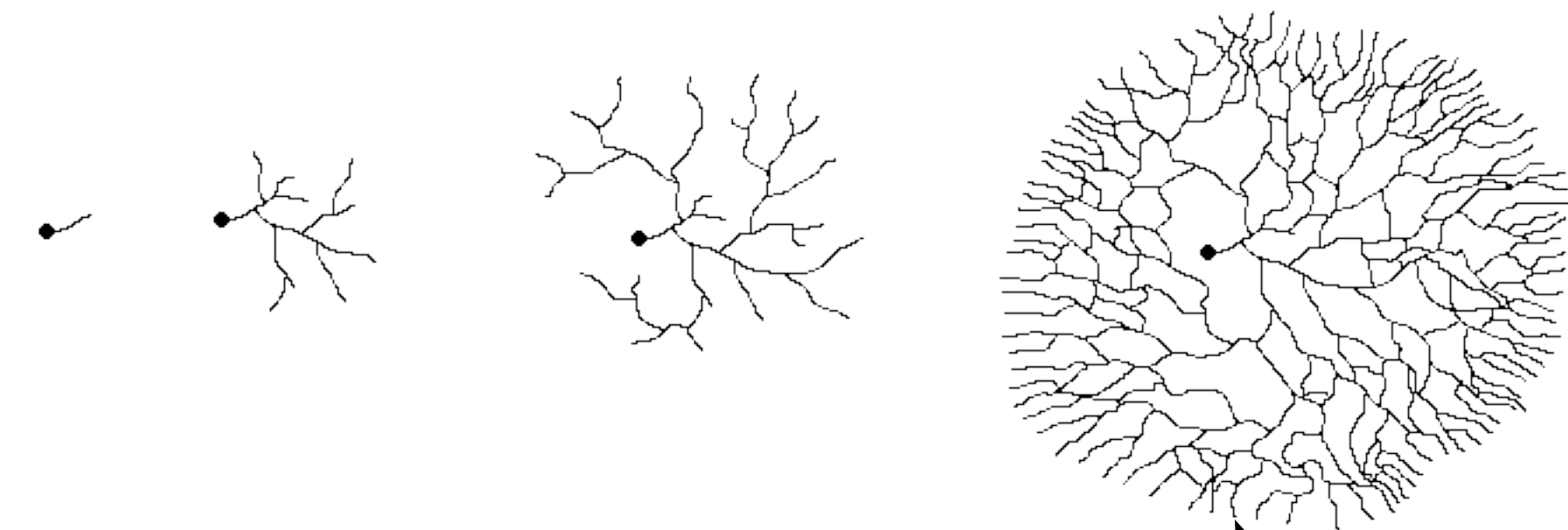
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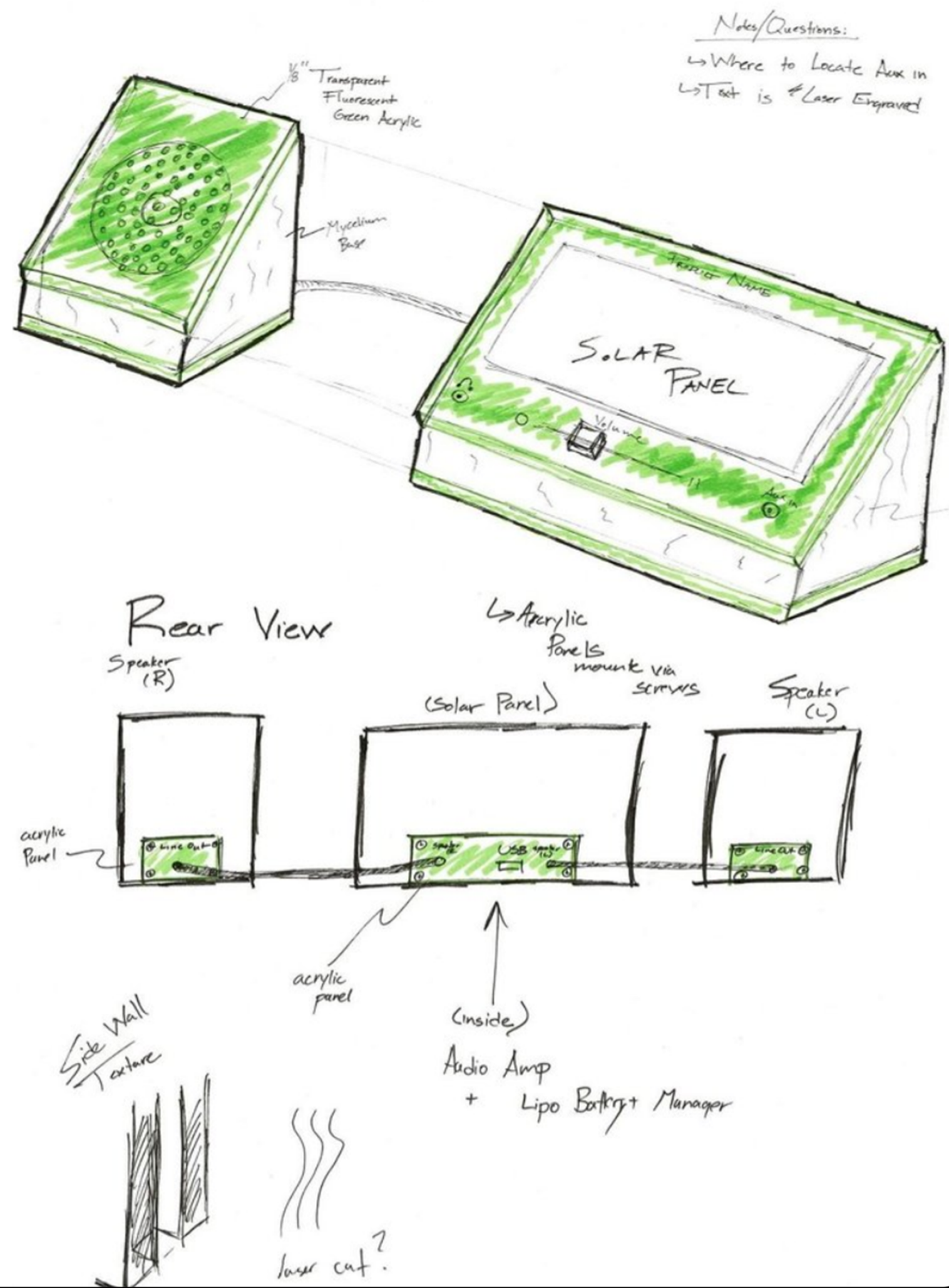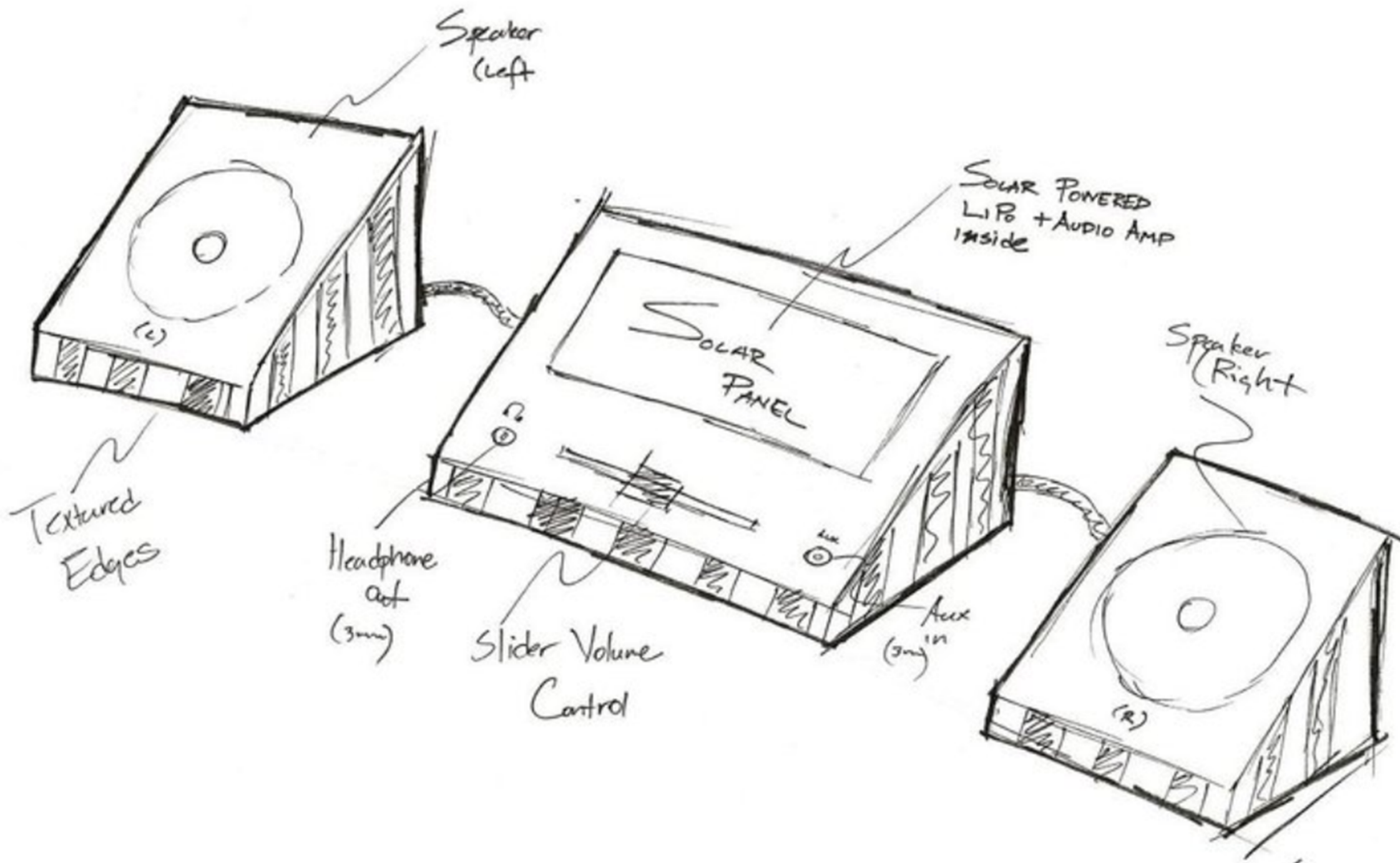
Website: www.erikcontreras.com

Instagram: @ehans_makes
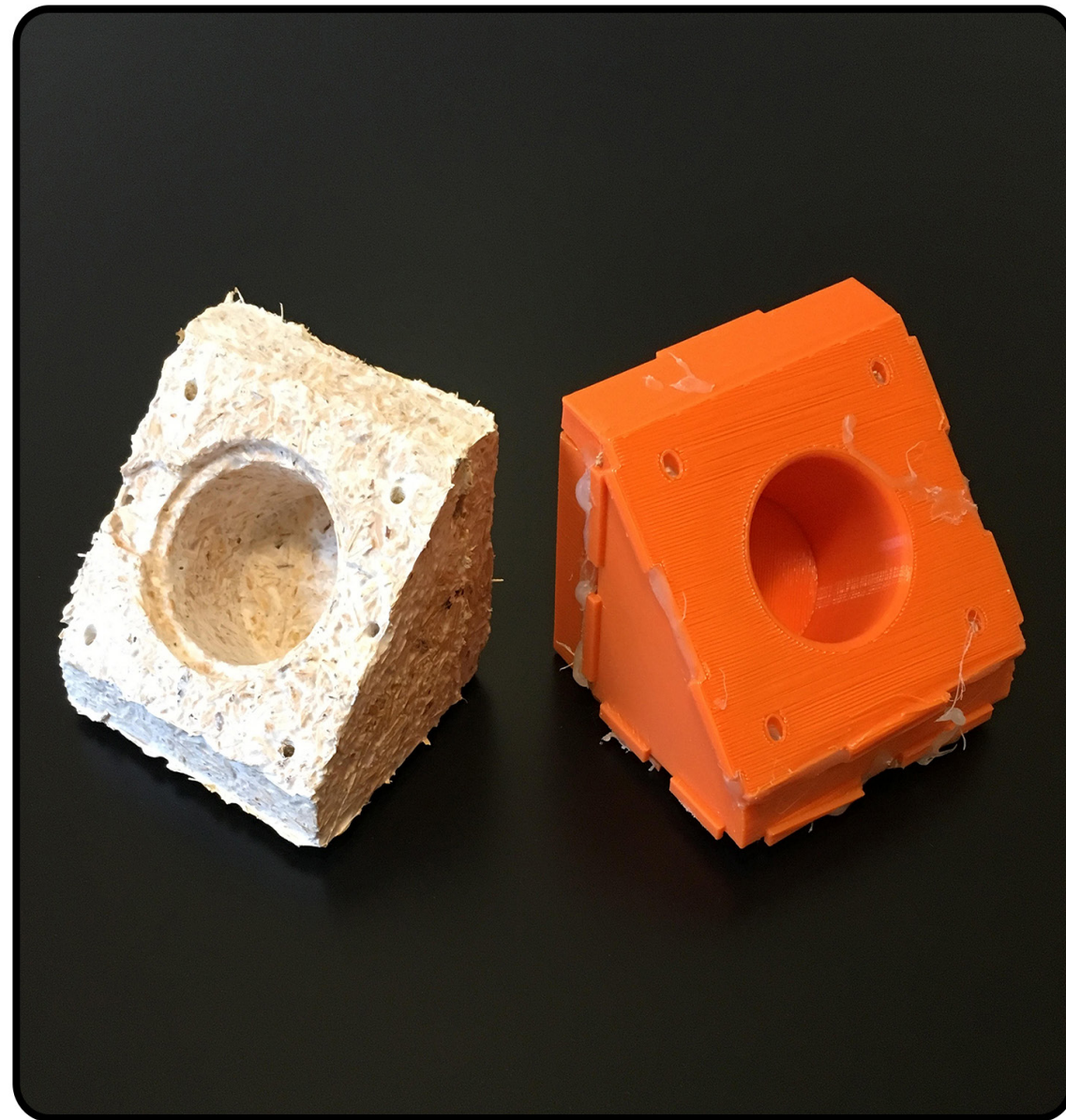
(Fun)gi Beats
Speakers Made From Mycelium

Speaker grill design inspired by mycelium root structure

Initial sketches and ideation process for the solar-powered mycelium speakers.

Custom 3D-printed molds were used to form the shape of the mycelium parts. Hot glue was used to contain the mycelium mix during its 5-day grow period.

In regards to texture and weight, mycelium can be compared to Styrofoam [however, the former is a lot more ecofriendly!].
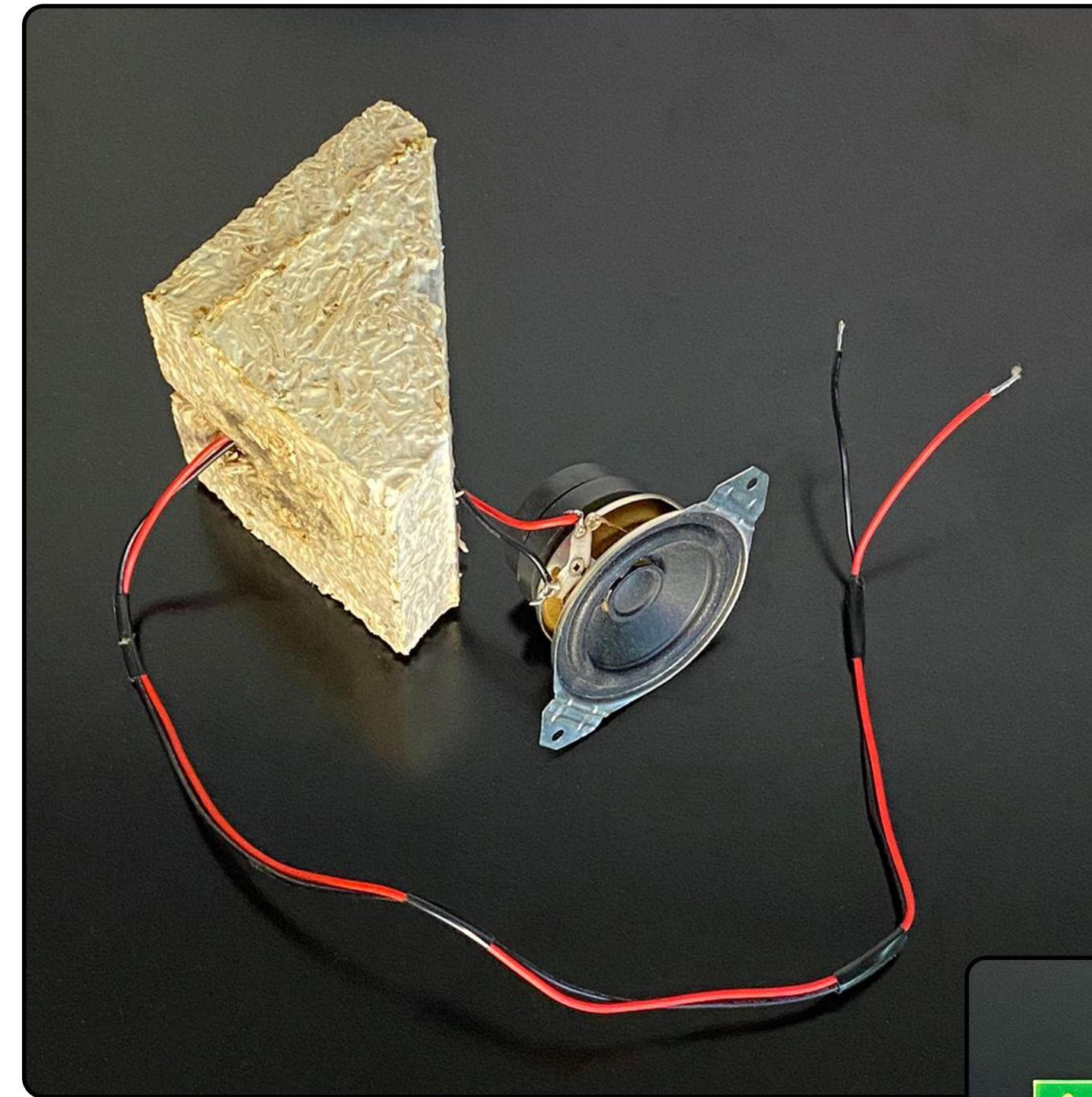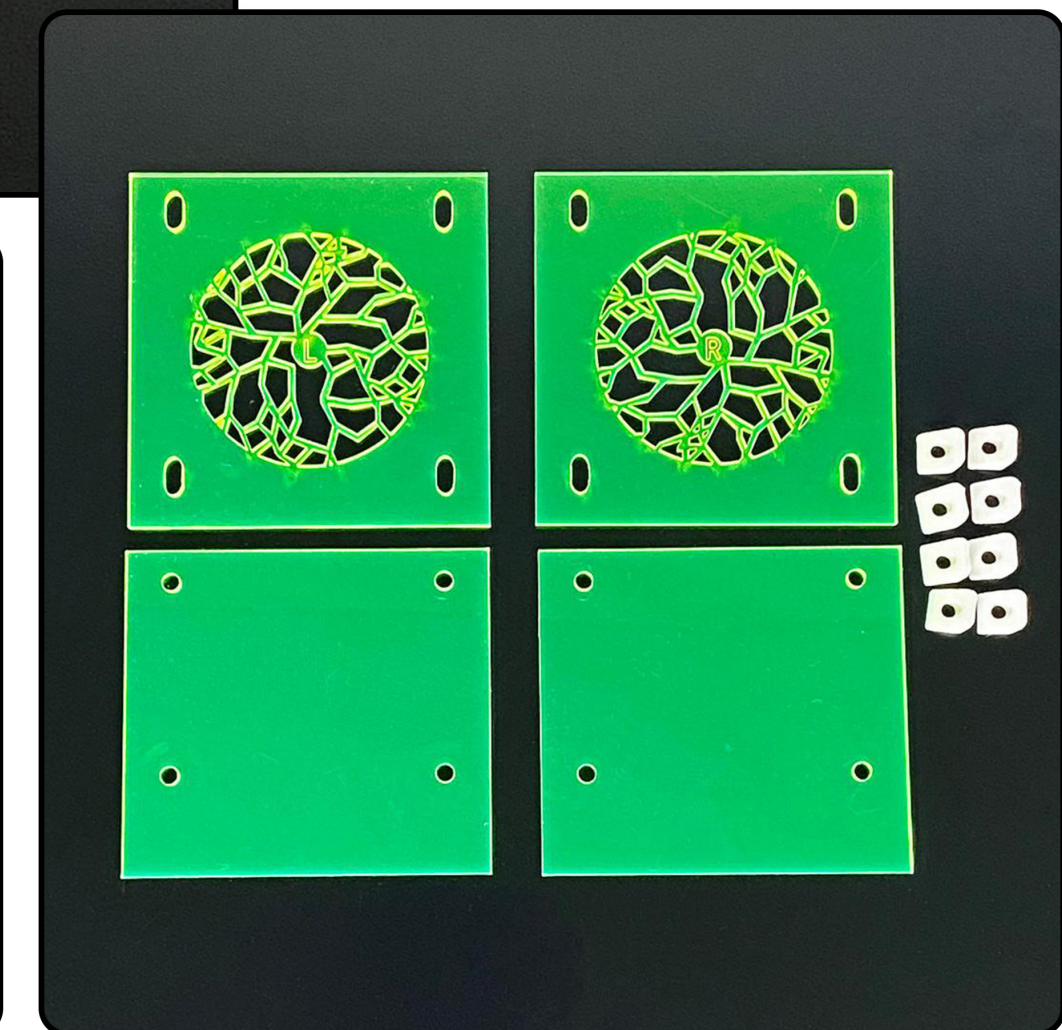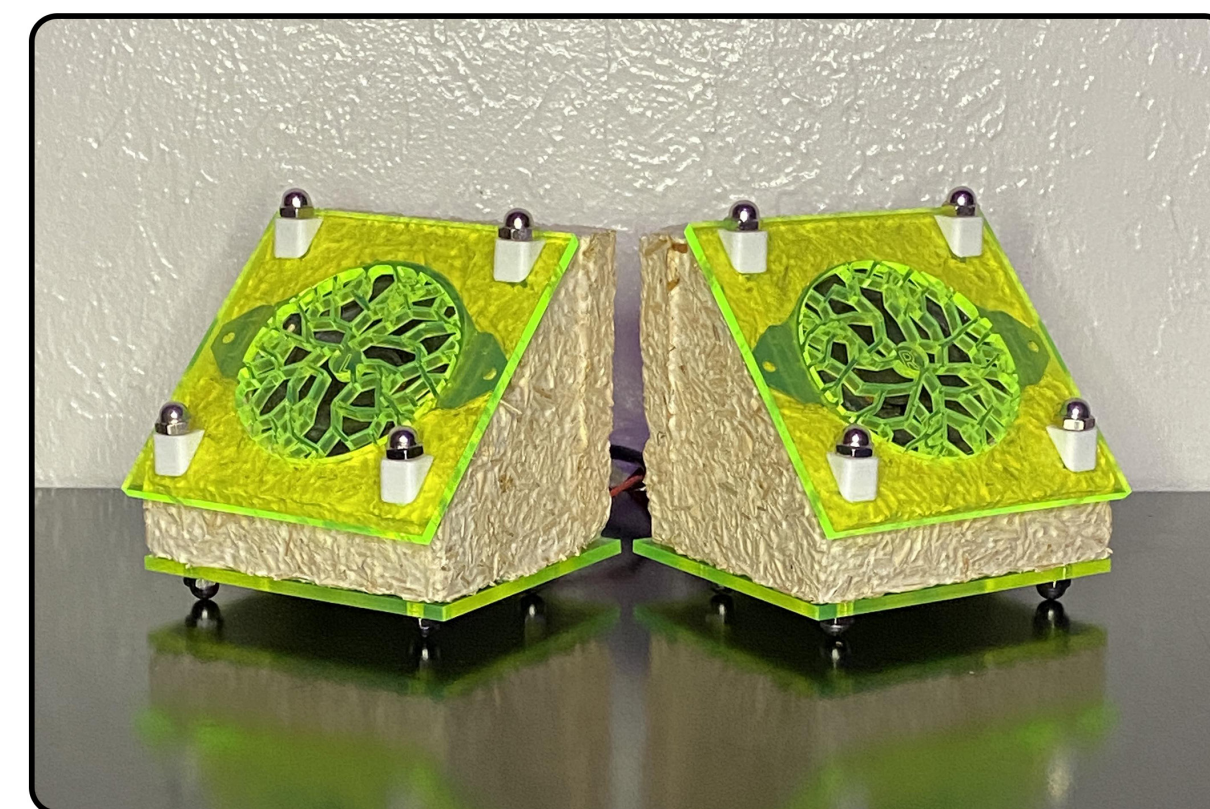

Once the mycelium was grown in their respective molds and cured in the oven, the final components were added, including the laser-cut acrylic speaker grills and speakers. All of the components were fastened together using 6-32 threaded rods.
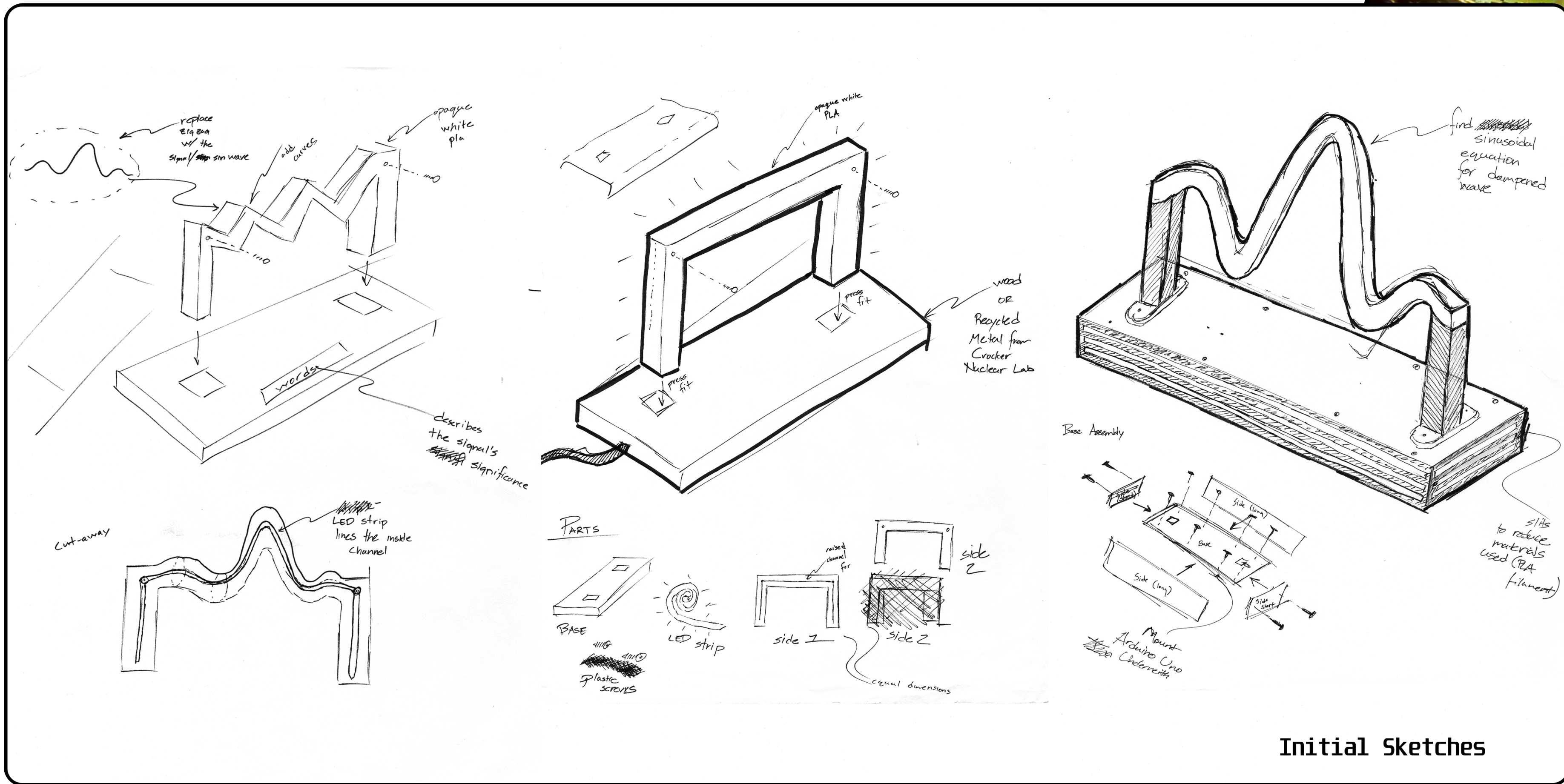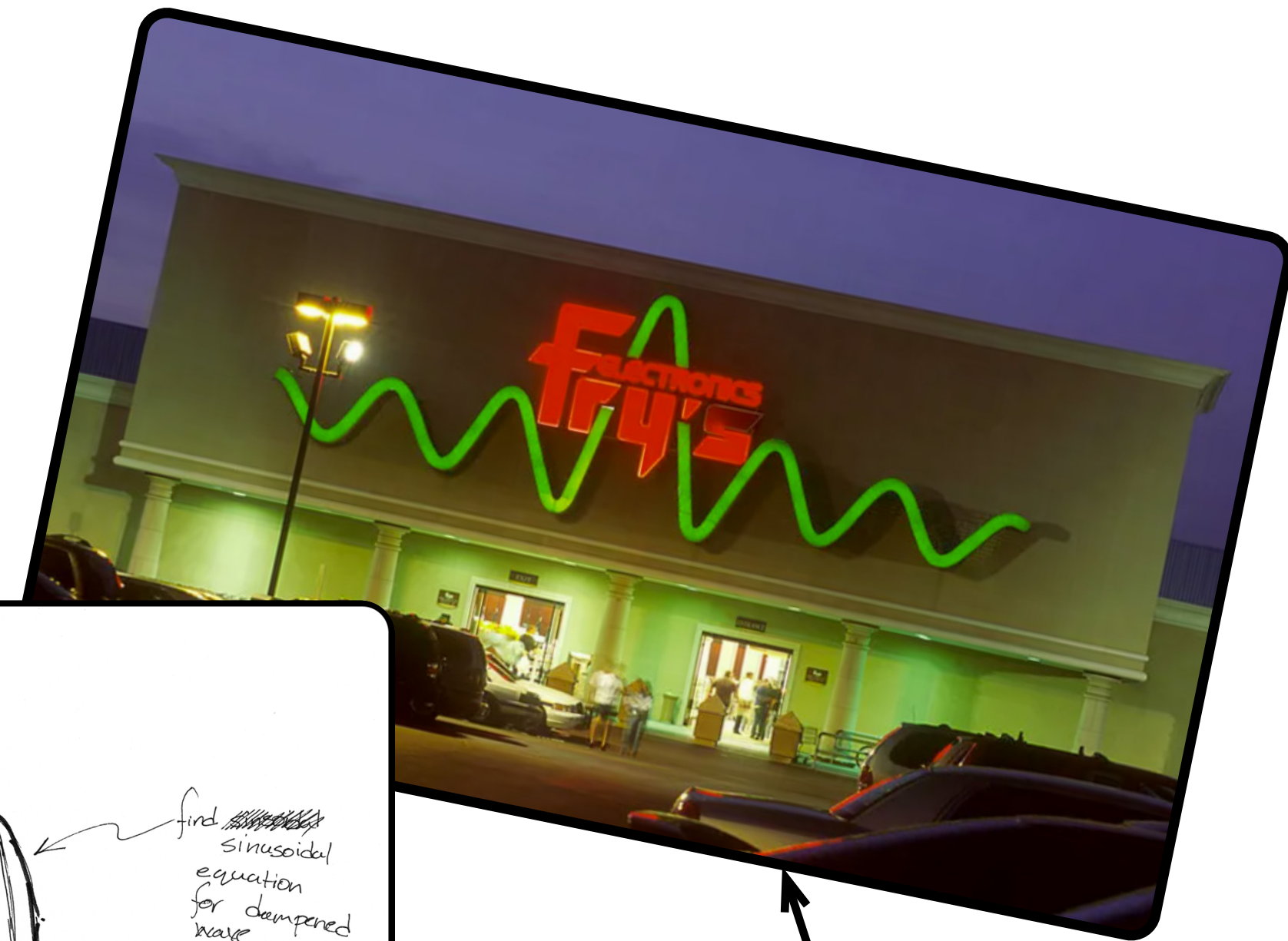
The final assembly of the mycelium speakers. Given time constraints, the solar cell, lithium ion battery, and speaker controls were housed in a 3D-printed enclosure rather than a mycelium enclosure
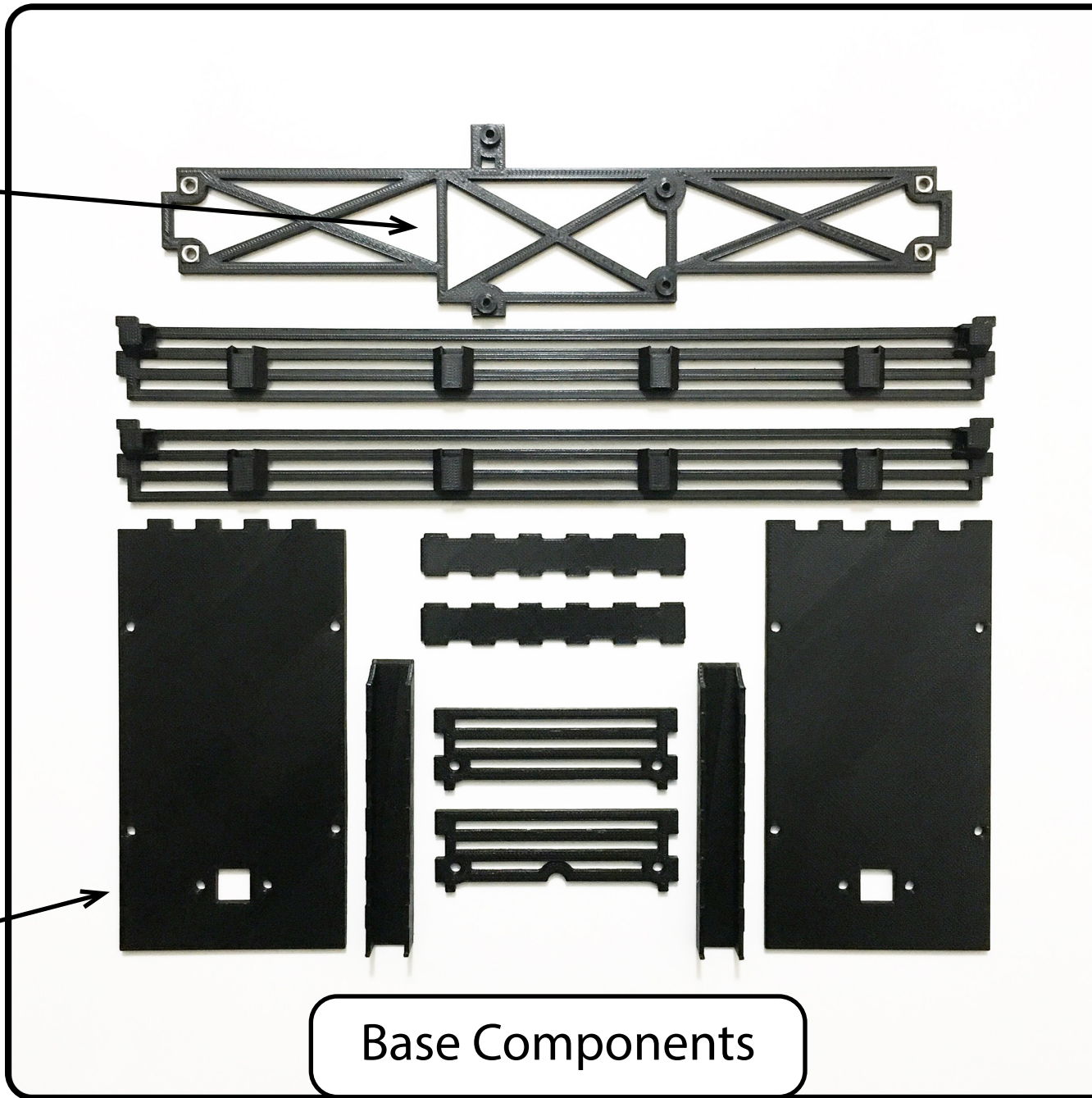
Wave Light

Wavy Mood Lighting for the Home

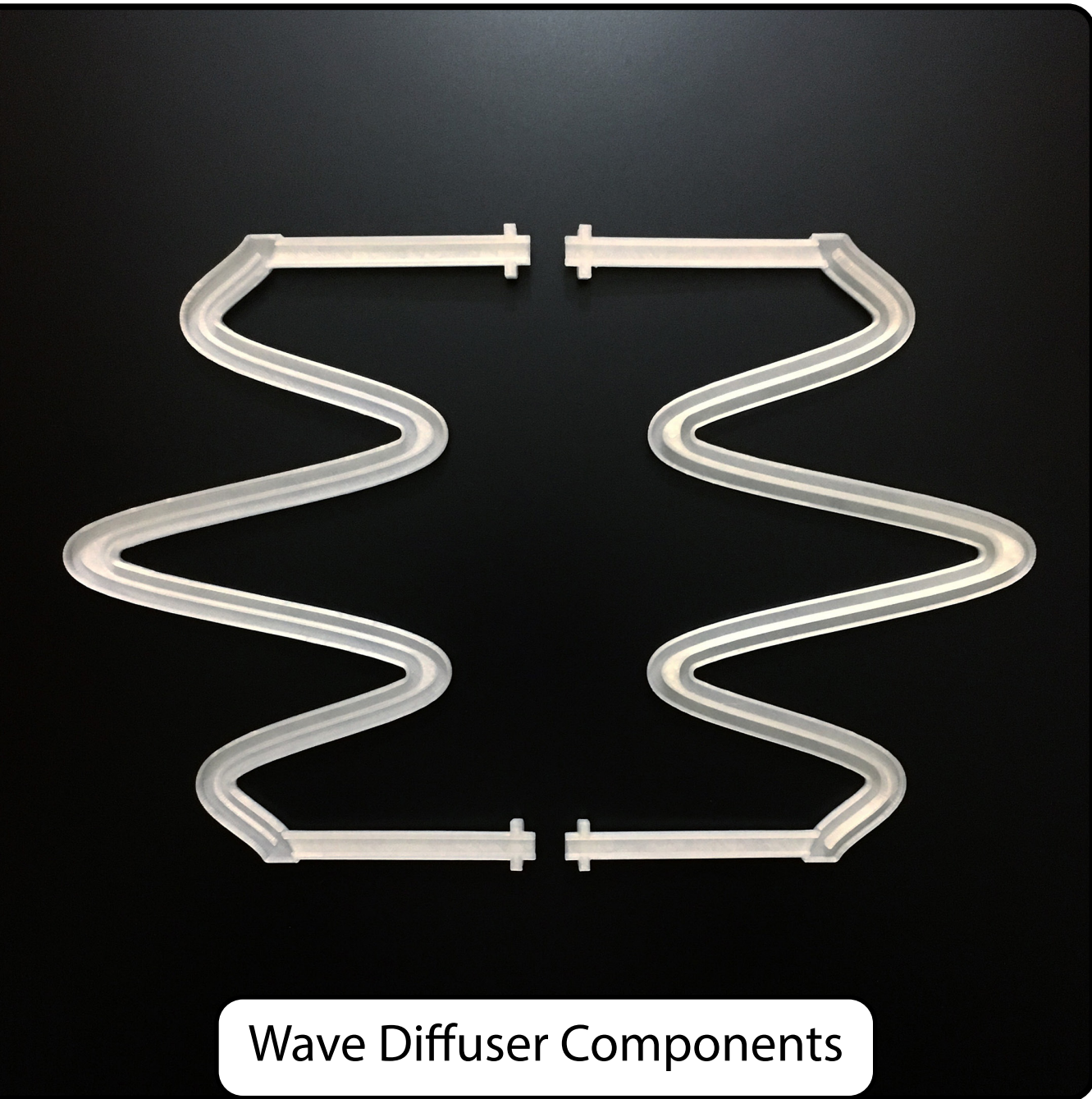Inspired by the Fry's Electronics store from my childhood

Initial Sketches

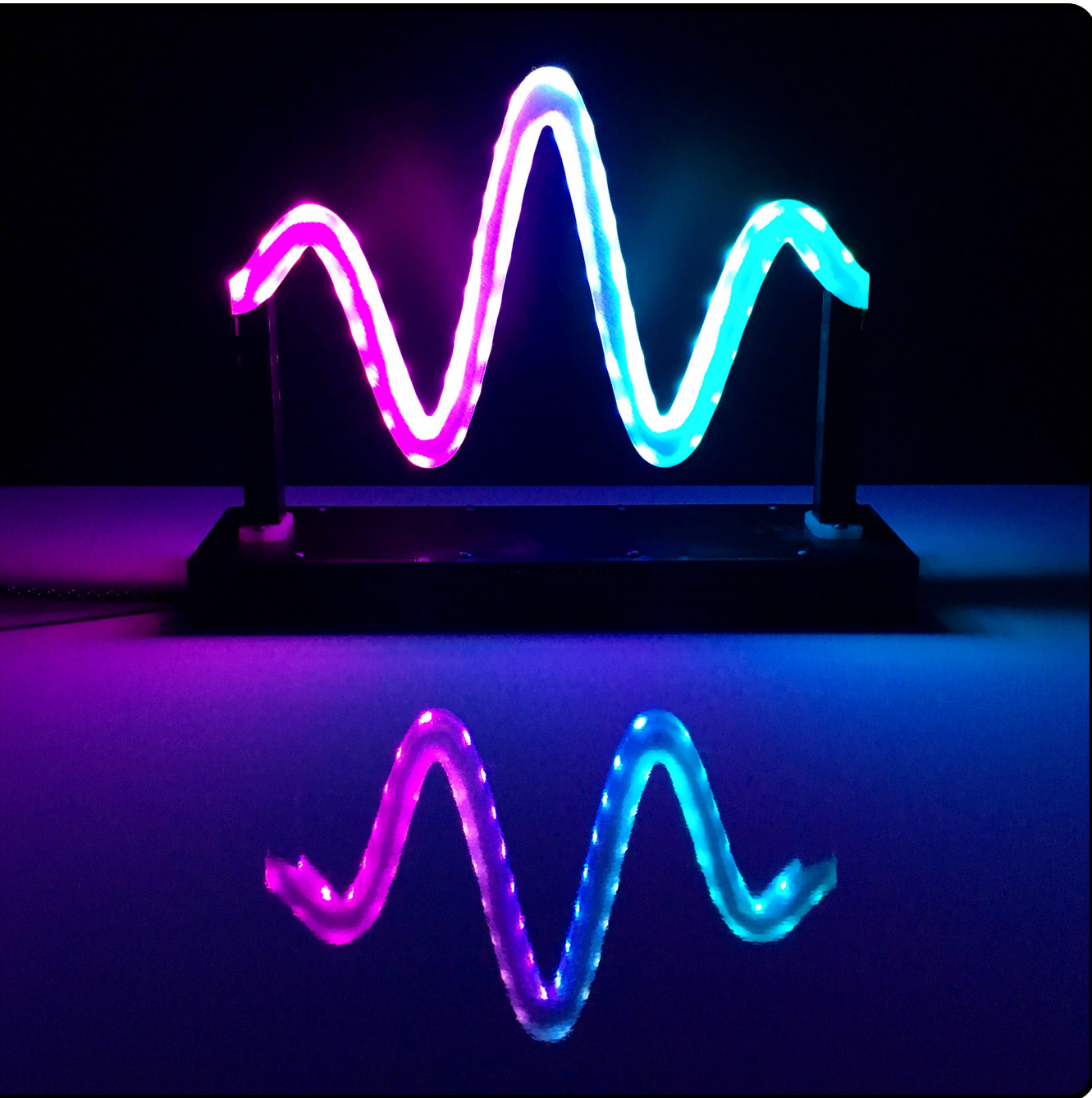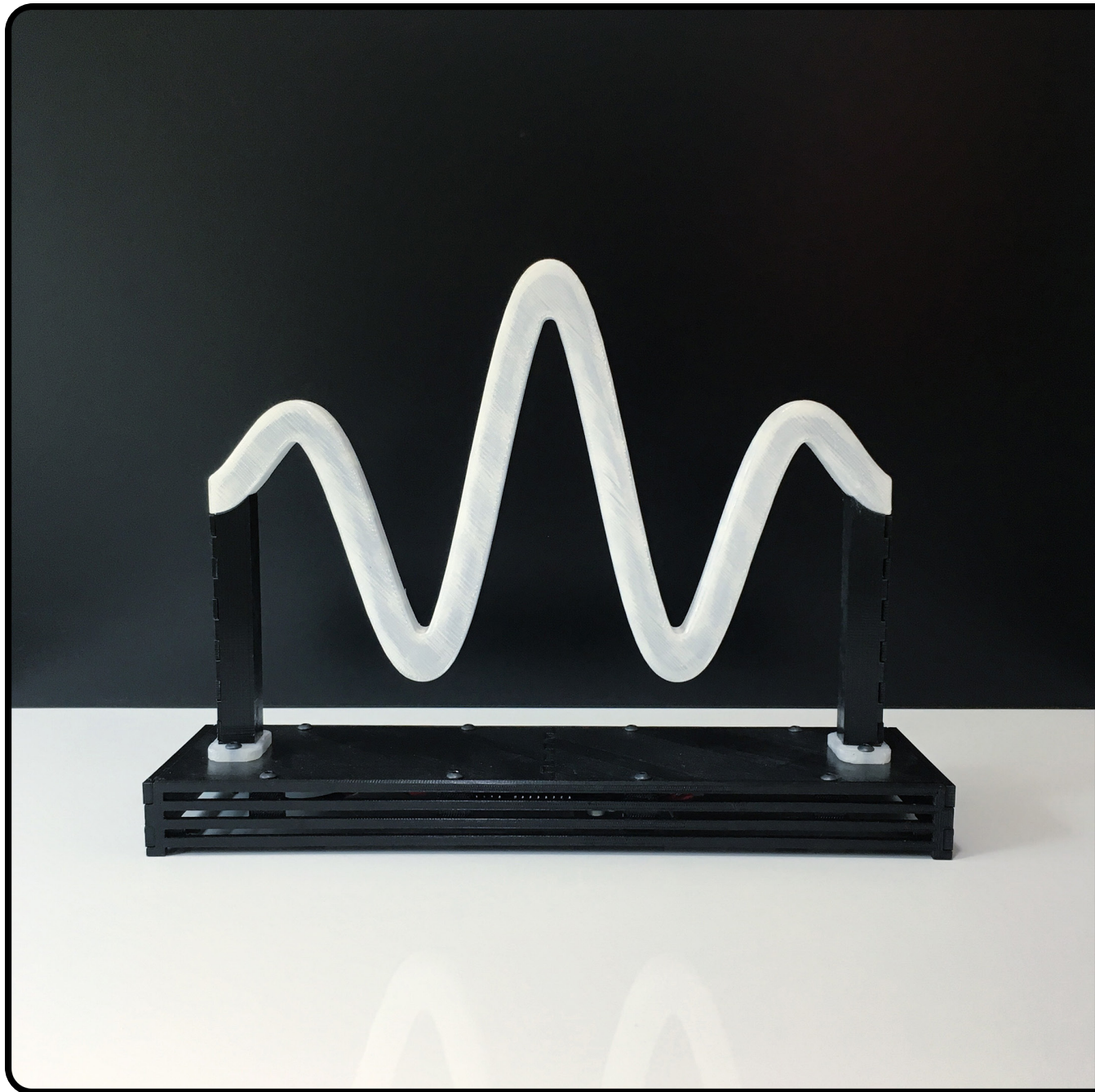Arduino controlling the lights is mounted inside base

LEDs are adhered inside the wave diffuser

All components are 3D printed

Base Components

Wave Diffuser Components

6

Laser-Cut Acrylic Floppy Disk Coasters
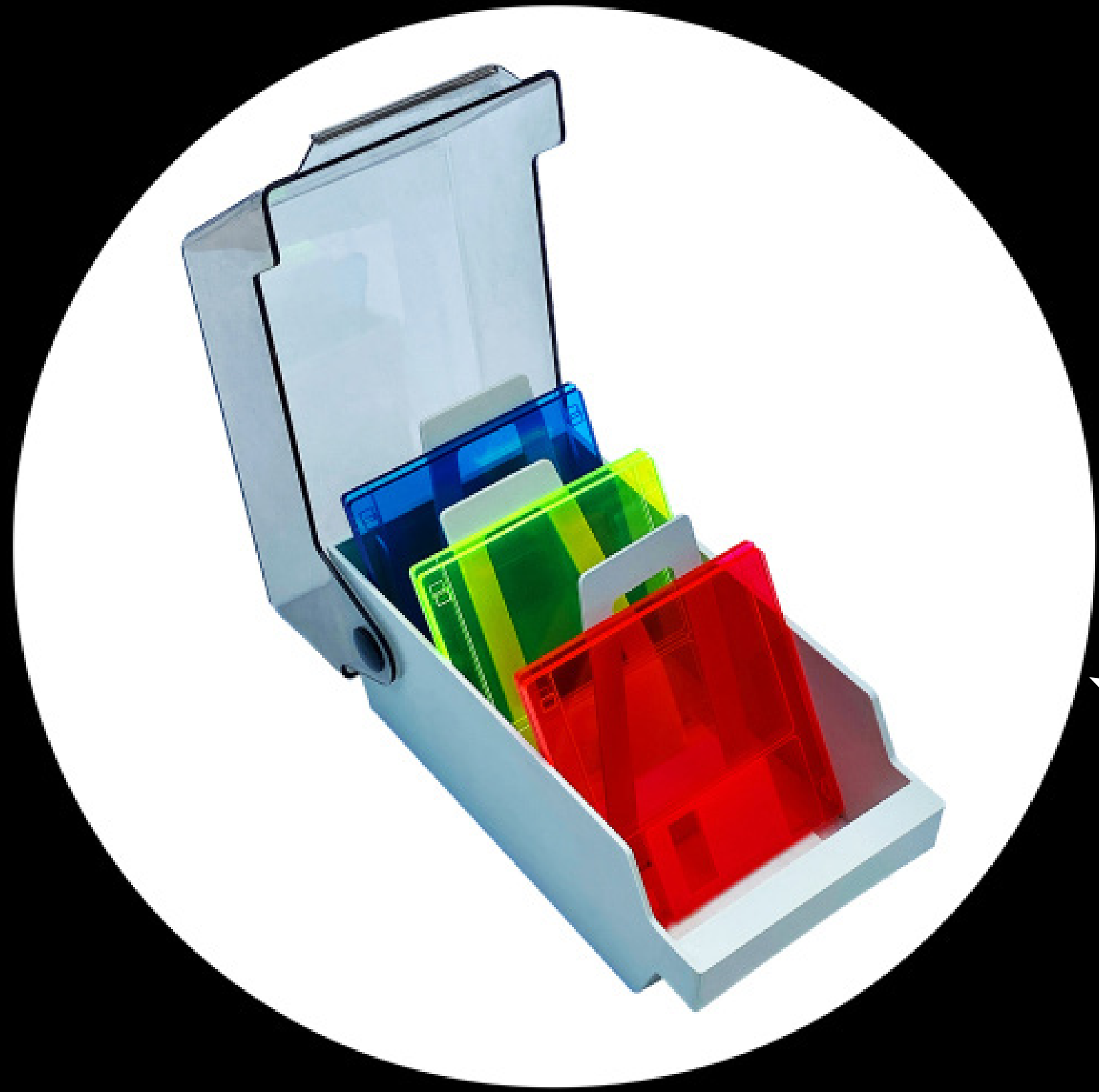
Coasters fit snugly in old floppy organizers

Laser-cut//etched cardboard packaging

Graphic design inspired by floppy disk patent diagrams and infographics

FLOPPY COASTERS

Acrylic VHS Tape

2021 Studio Cult Art Contest Submission

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