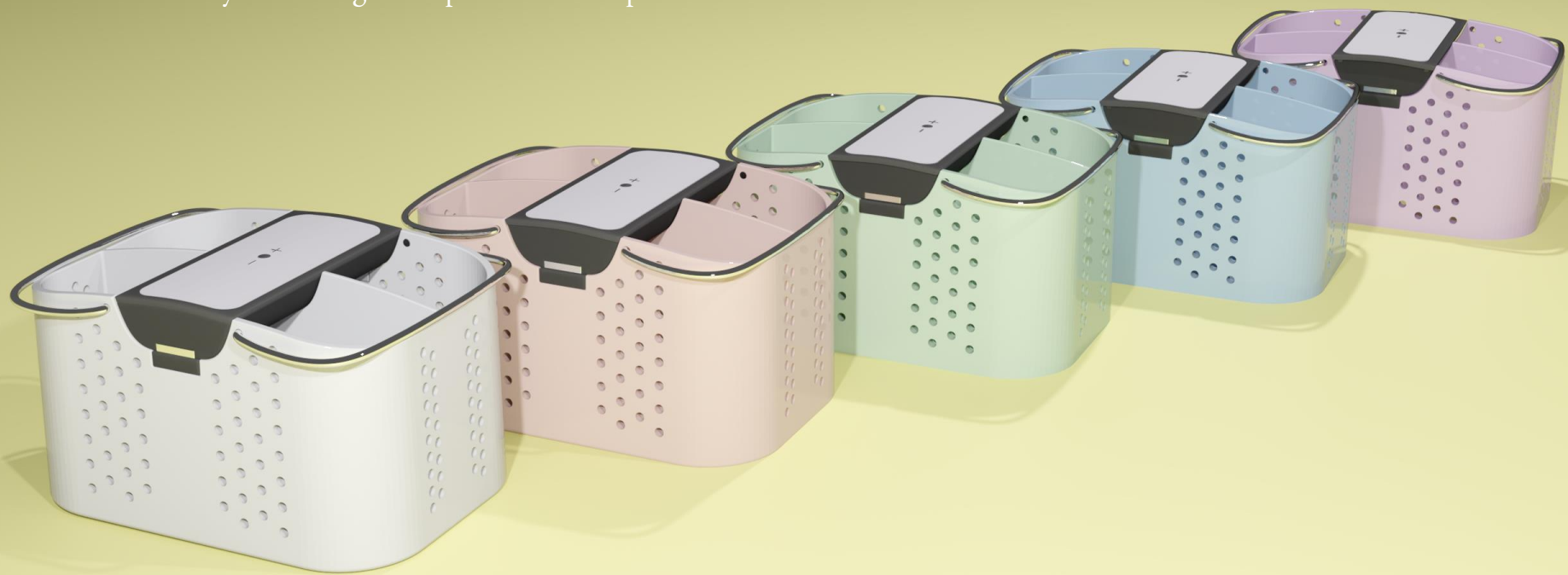


Portfolio

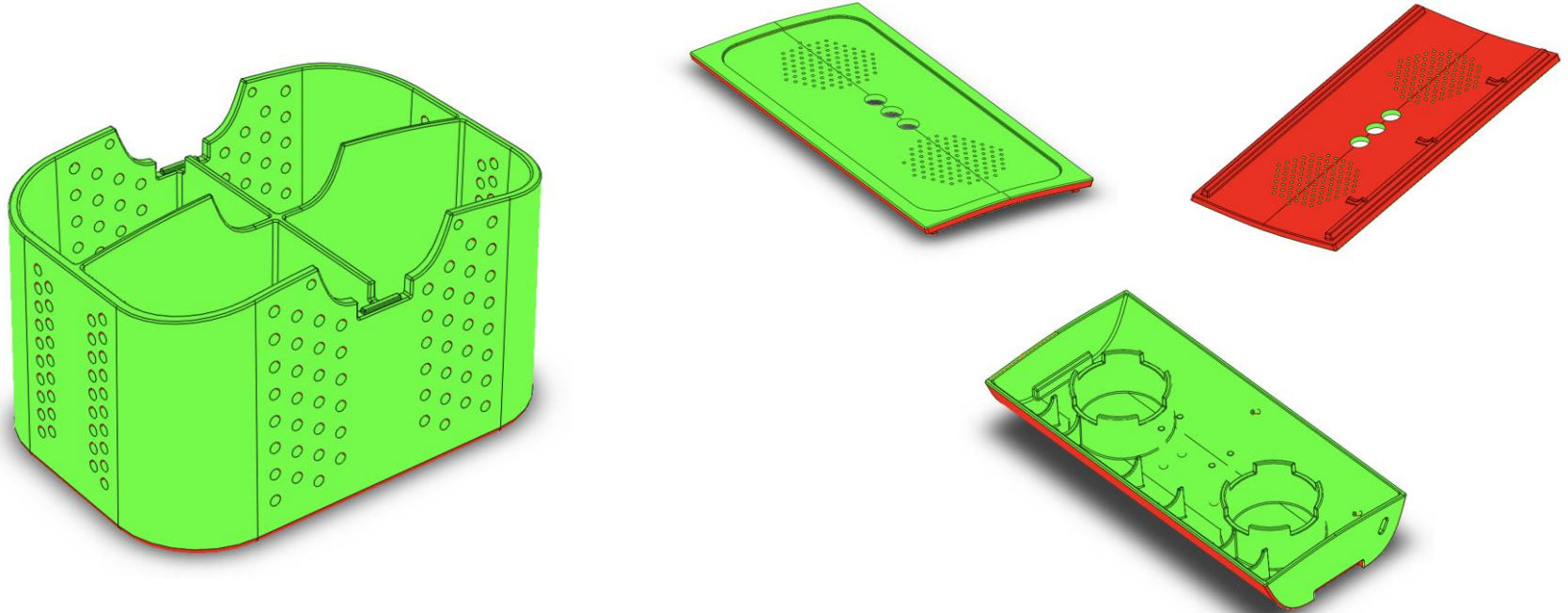
Christopher T. Fox

ShowerAmp - Render

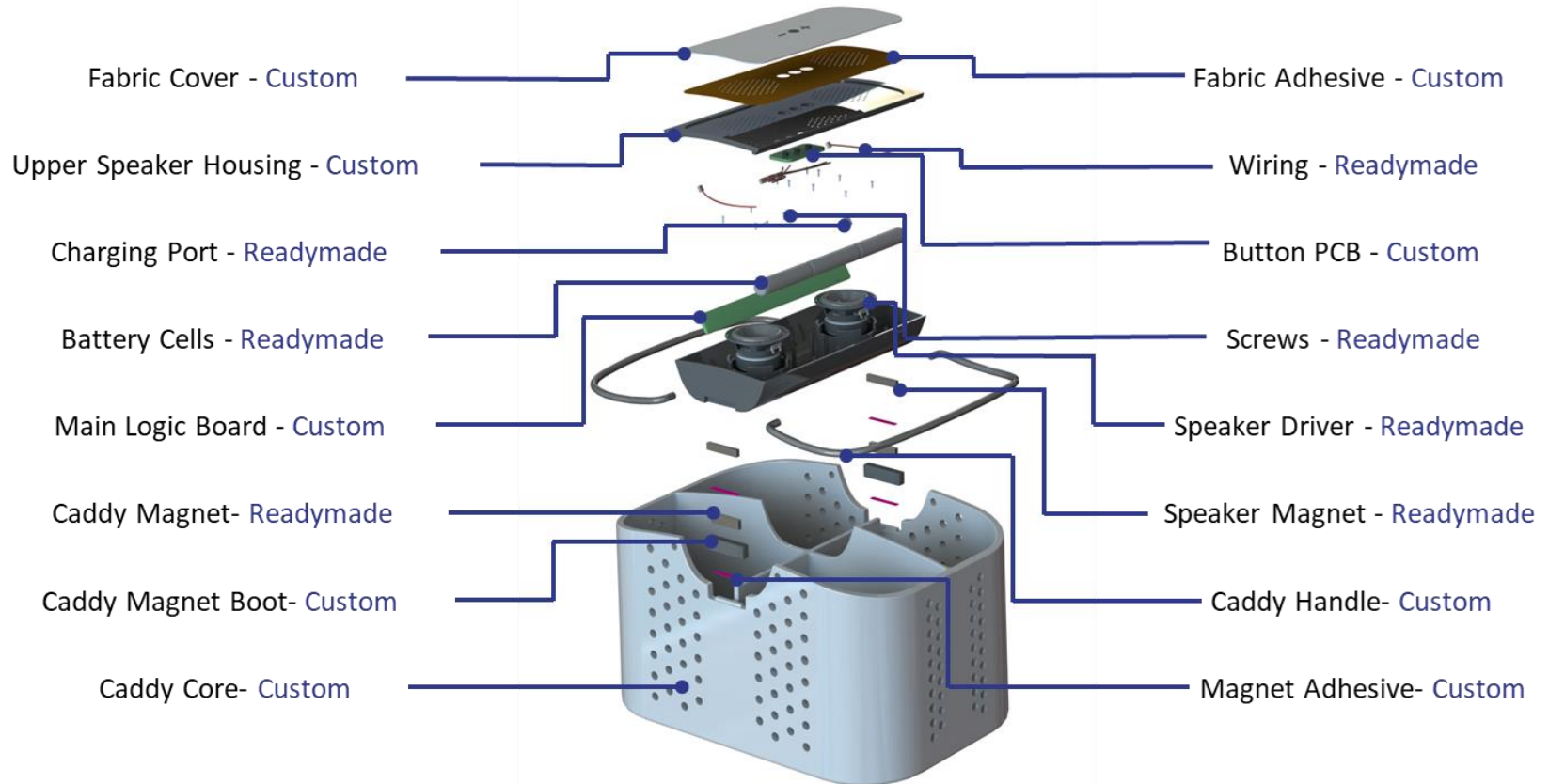
Shower caddy with integrated speaker mock-up



ShowerAmp – Draft Analysis

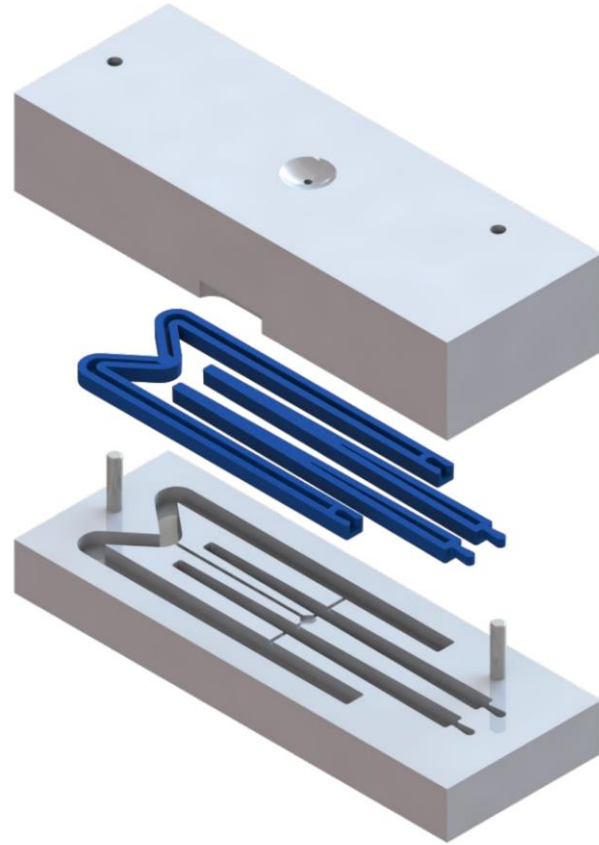


ShowerAmp – Exploded View



Chopsticks - Render

Designed and manufactured an aluminum mold of “beginner” chopsticks and produced parts using food-safe plastic in a Morgan Press injection molding machine.

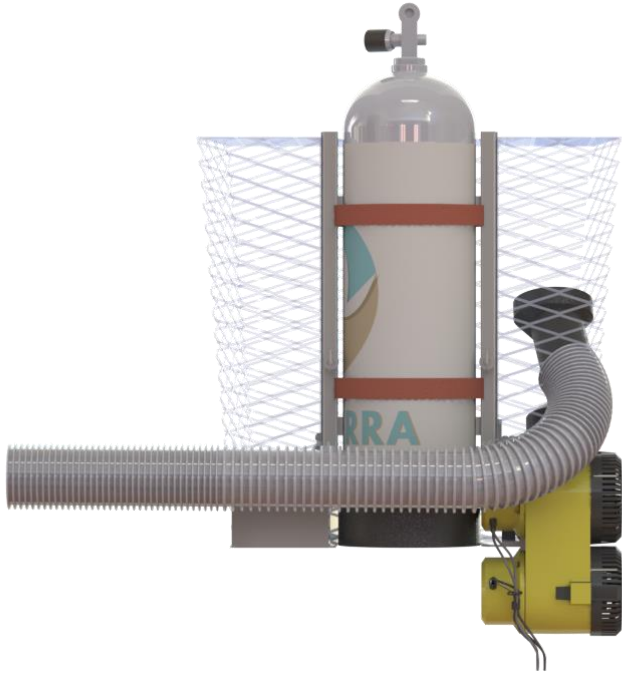


Chopsticks



Posterra - Render

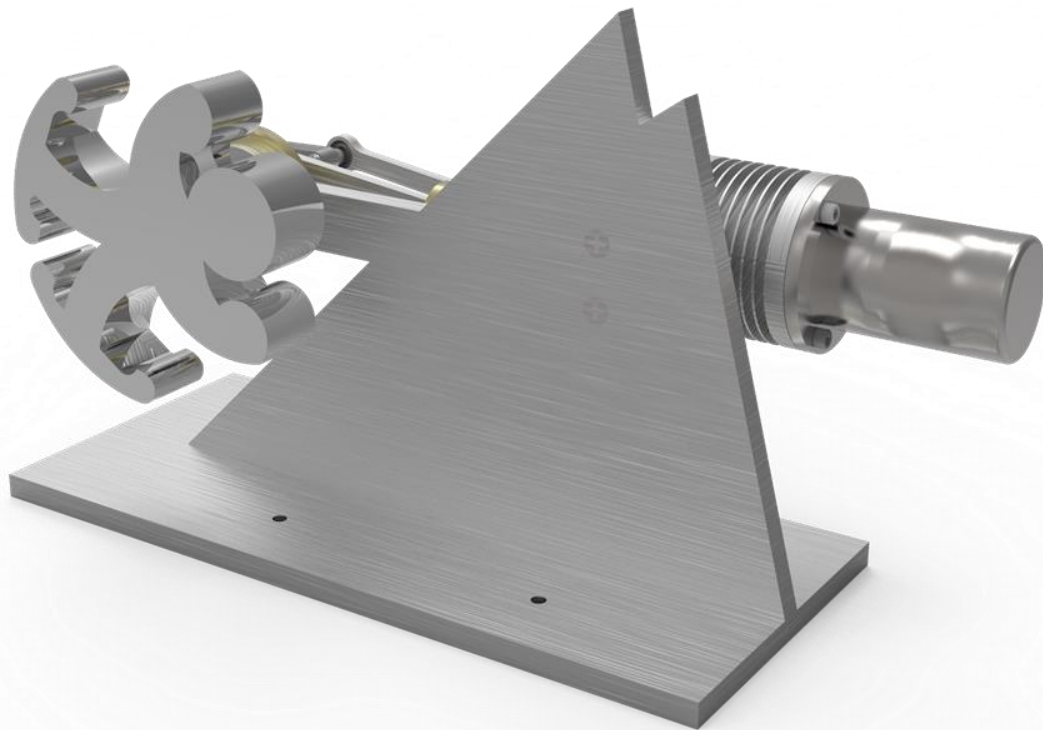
Handheld mechanism for underwater clean-up dives.



Posterra



Stirling Engine - Render



Stirling Engine

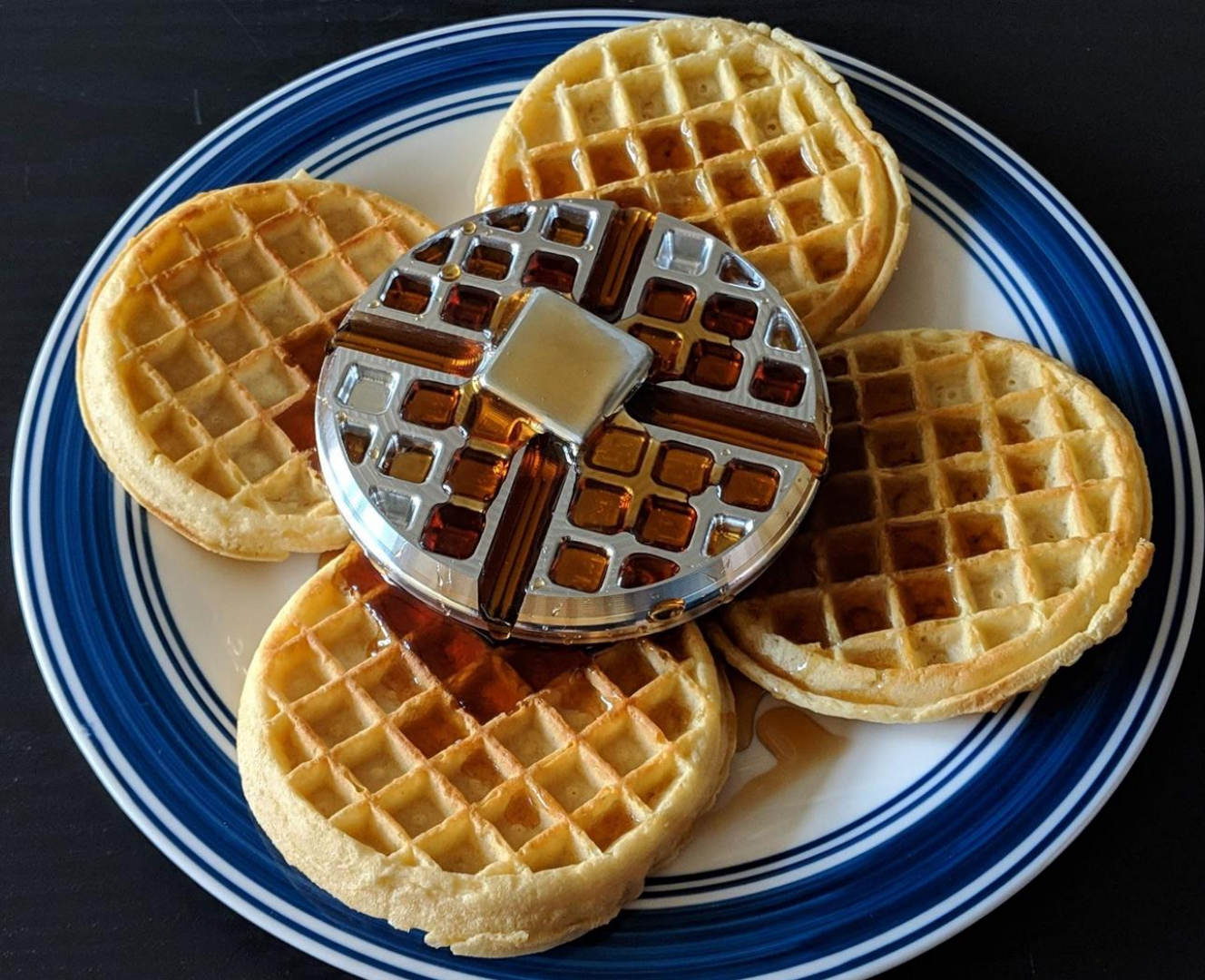


Waffle - Render

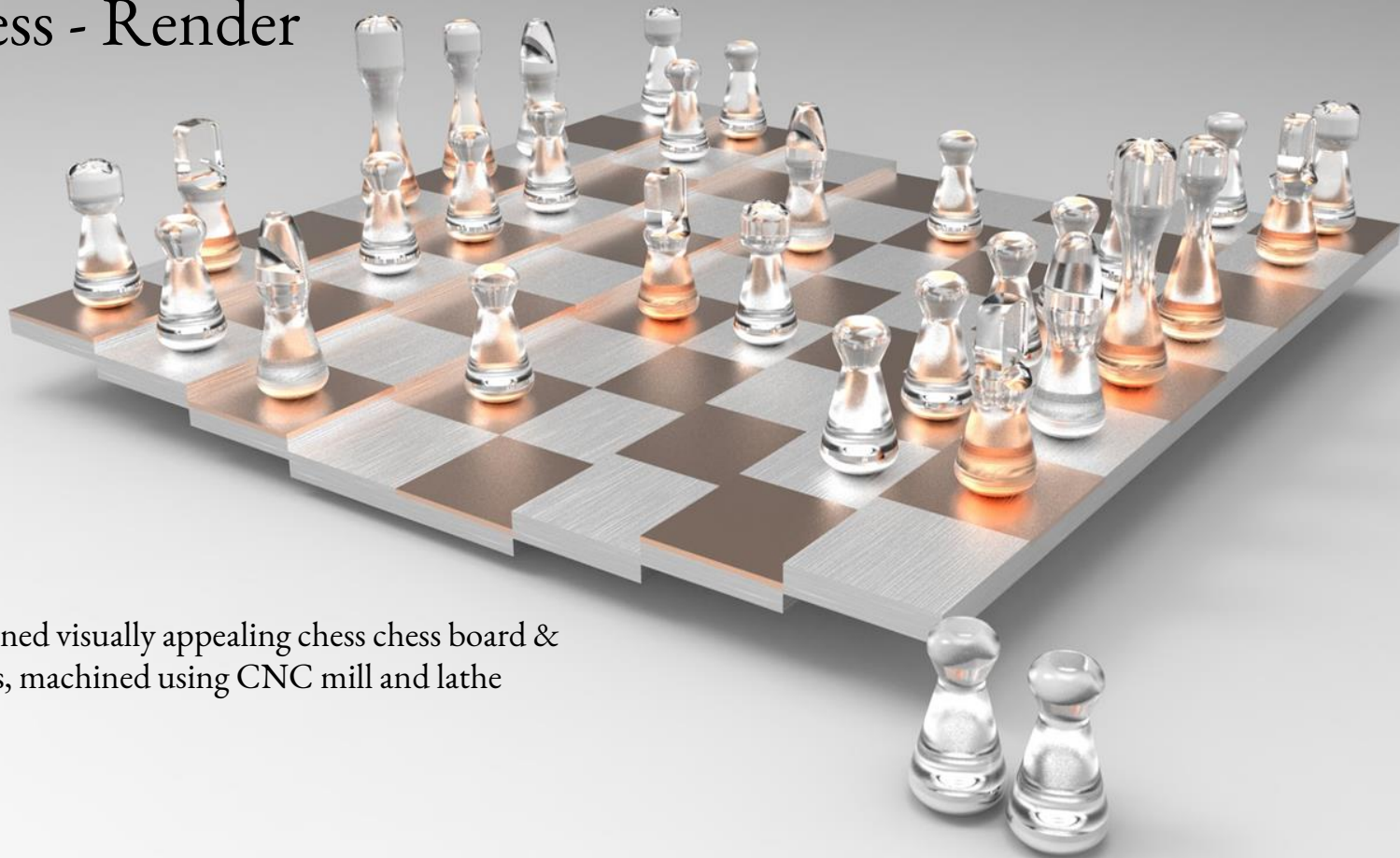
Designed to be machined using 3 axis CNC
milling with SolidCAM



Waffle



Chess - Render



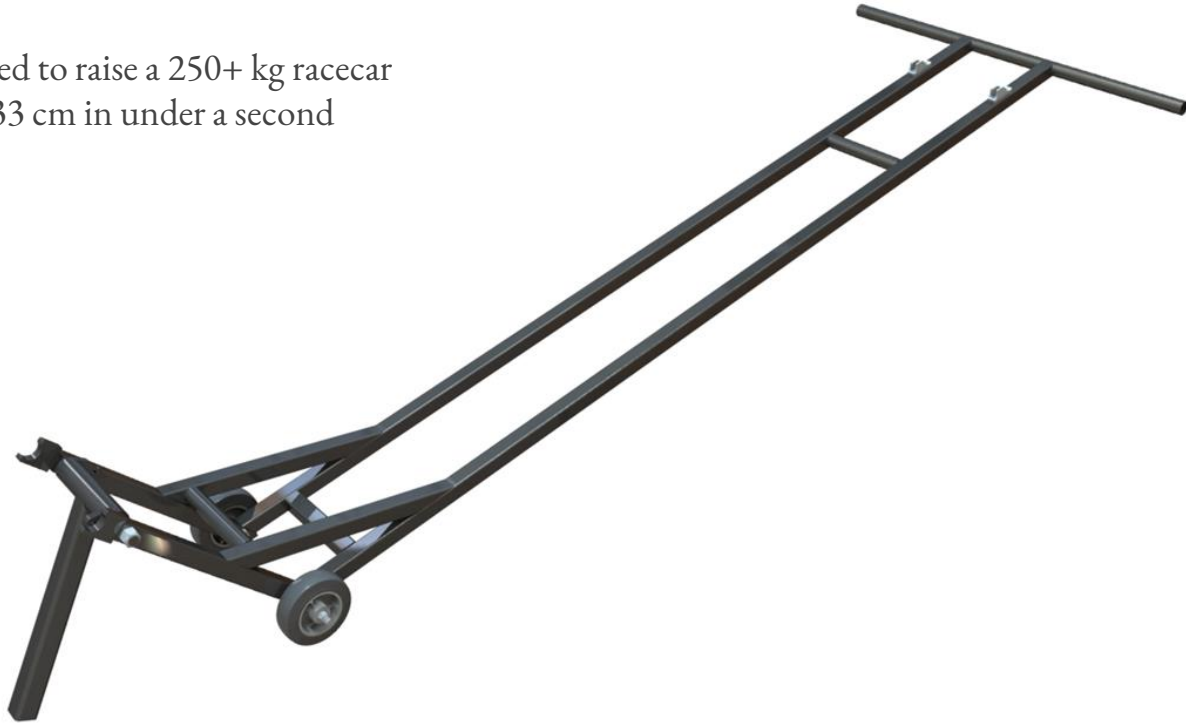
Designed visually appealing chess board & pieces, machined using CNC mill and lathe

Chess

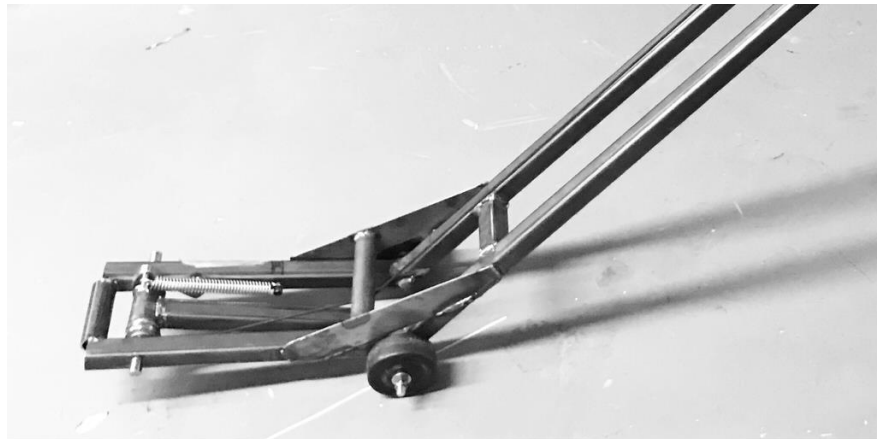


Quick Jack - Render

The Quick Jack is used to raise a 250+ kg racecar to a stable height of 33 cm in under a second

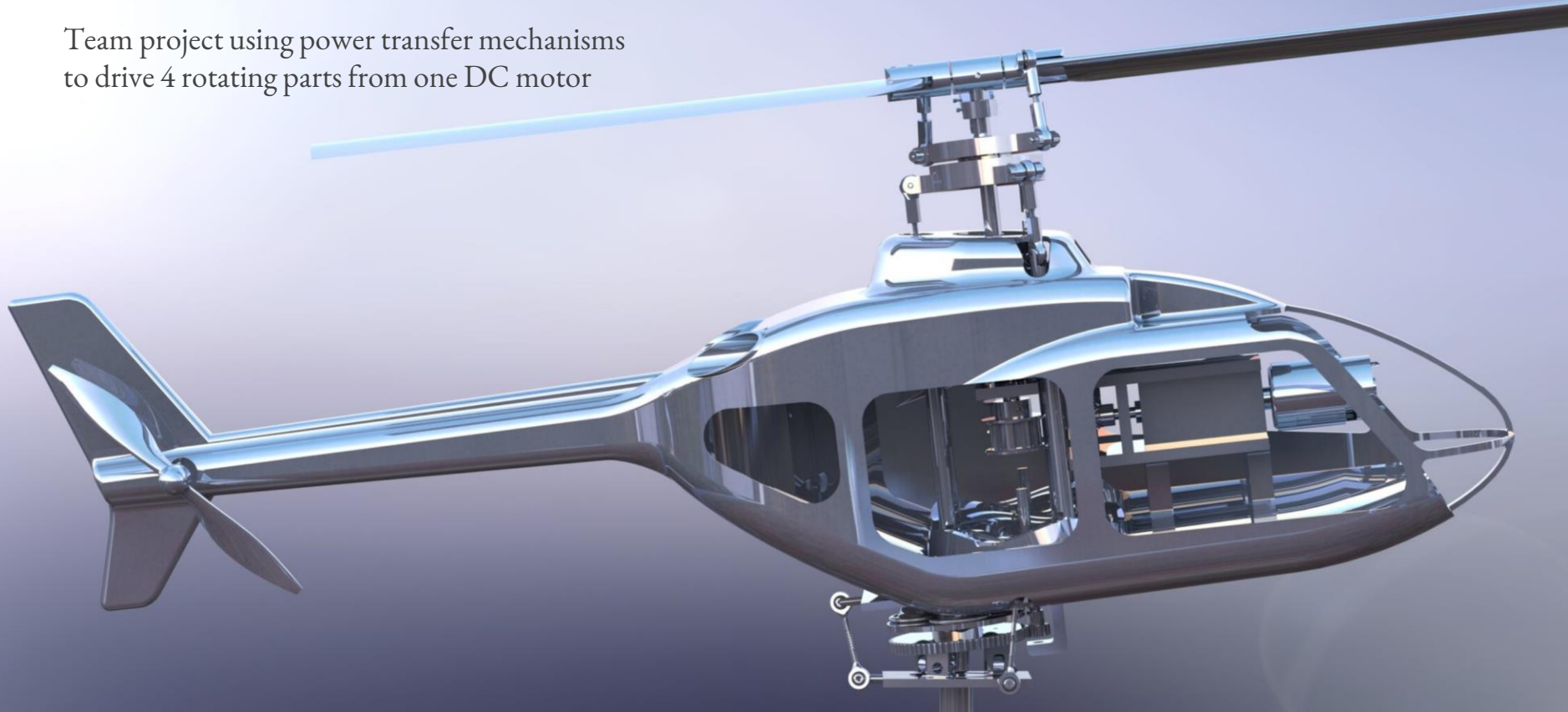


Quick Jack



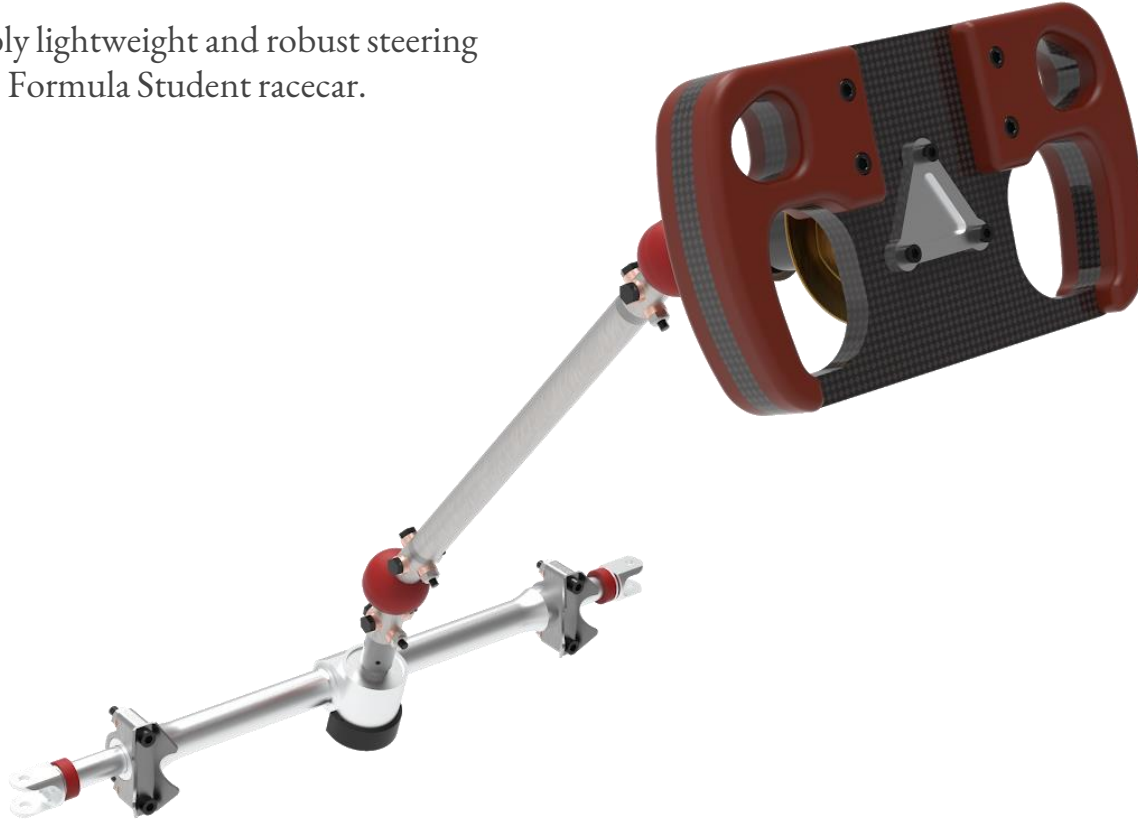
Helicopter - Render

Team project using power transfer mechanisms
to drive 4 rotating parts from one DC motor



Steering System - Render

An incredibly lightweight and robust steering system for a Formula Student racecar.



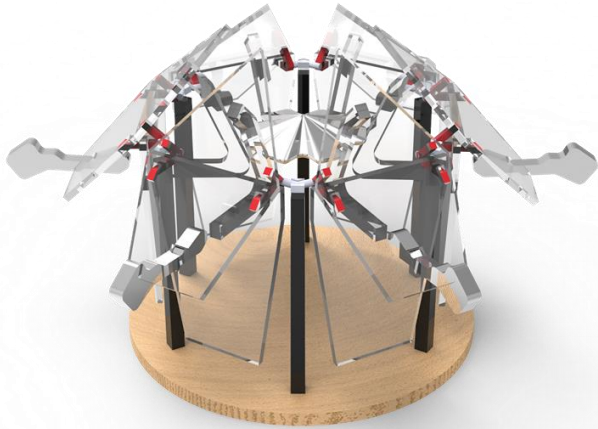
Pear - Render

Employed surface modelling techniques to
mimic organic fruit shape

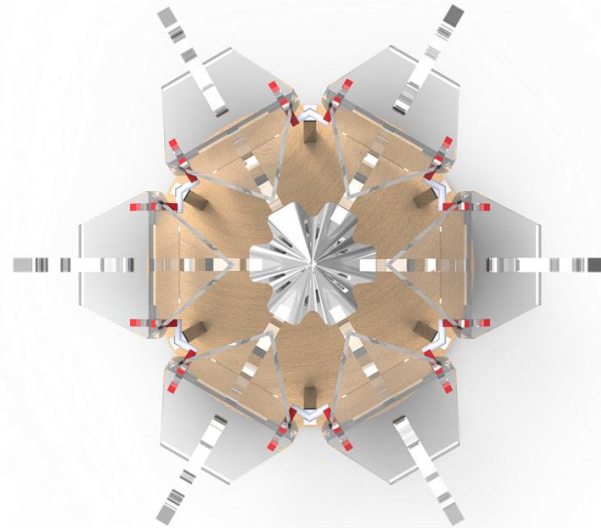


Balancing Art - Render

Design project allowing numerous masses to balance in equilibrium



Front



Top

Non-Destructive Testing

Determined structural stability of the in-wheel upright assemblies of a FSAE racecar after 30 miles of testing, using fluorescent dye penetrant techniques.

