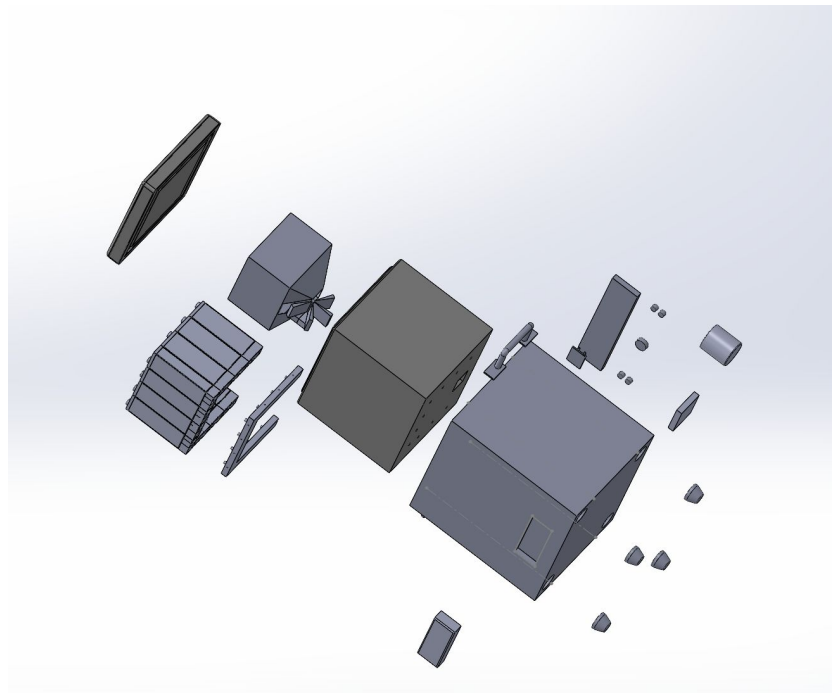
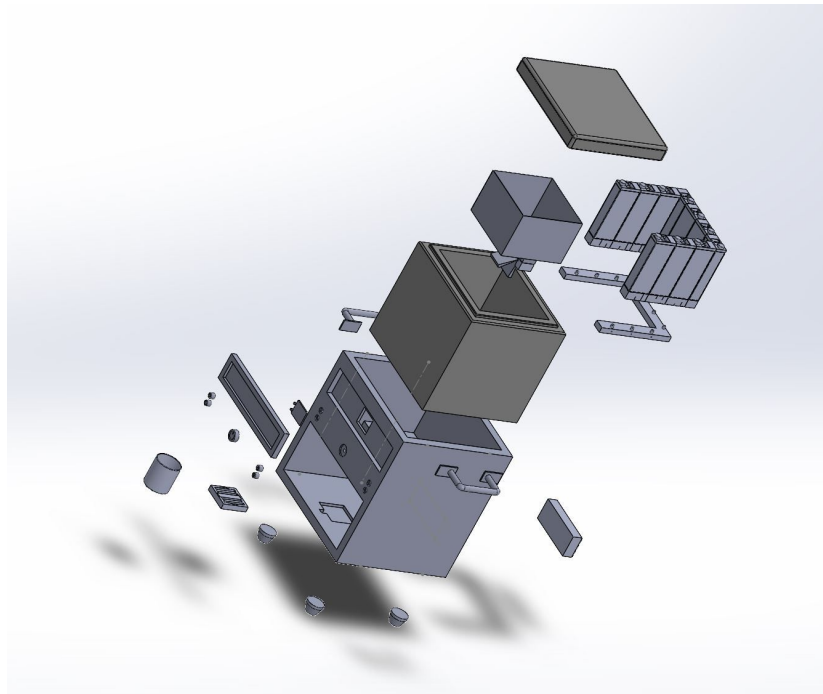


Homework 7 - CAD Parts

Team 2-5

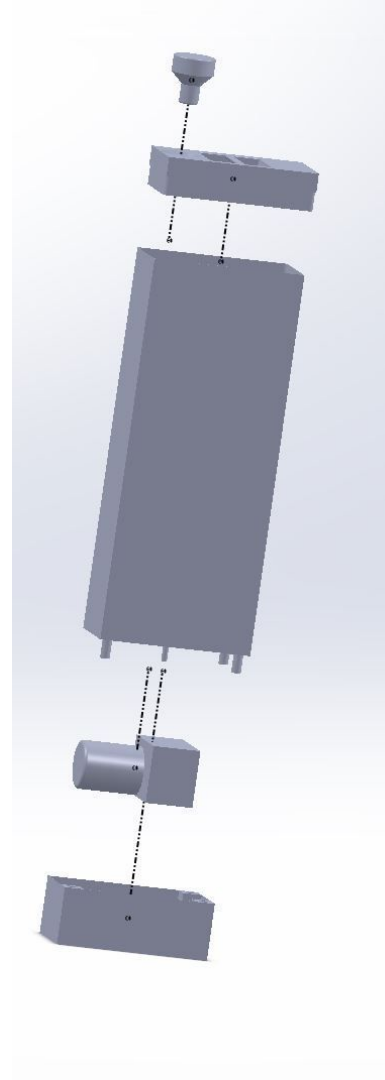
Brett Haines, Josh Vogel, Christian Bergdorf, Nicholas Ball

Exploded View



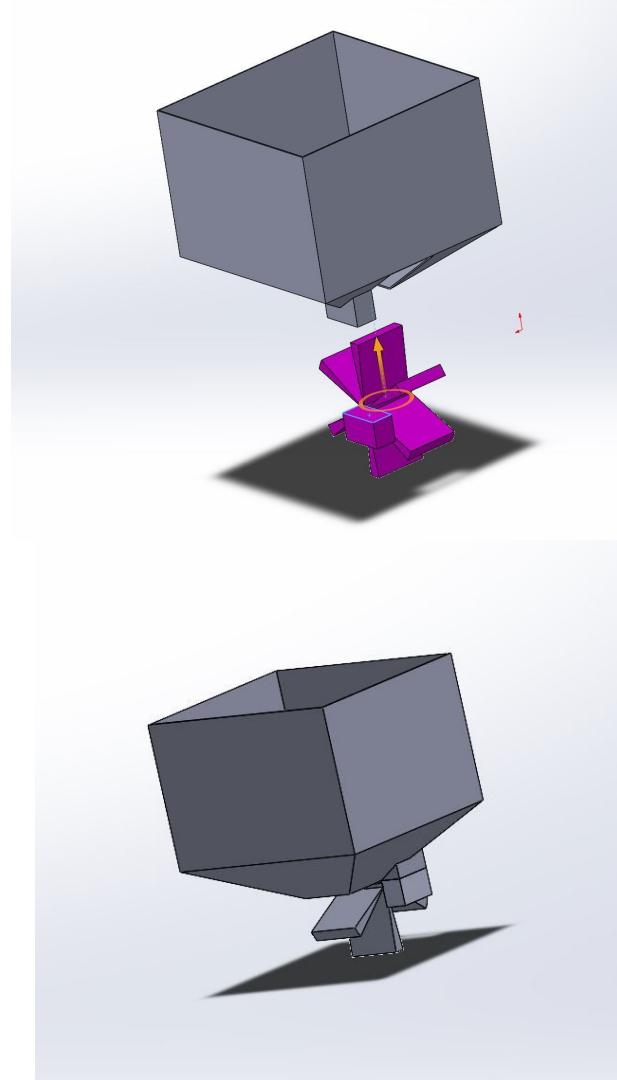
Liquid Container Assembly

Features a cap, container top, container walls, pump, and container base



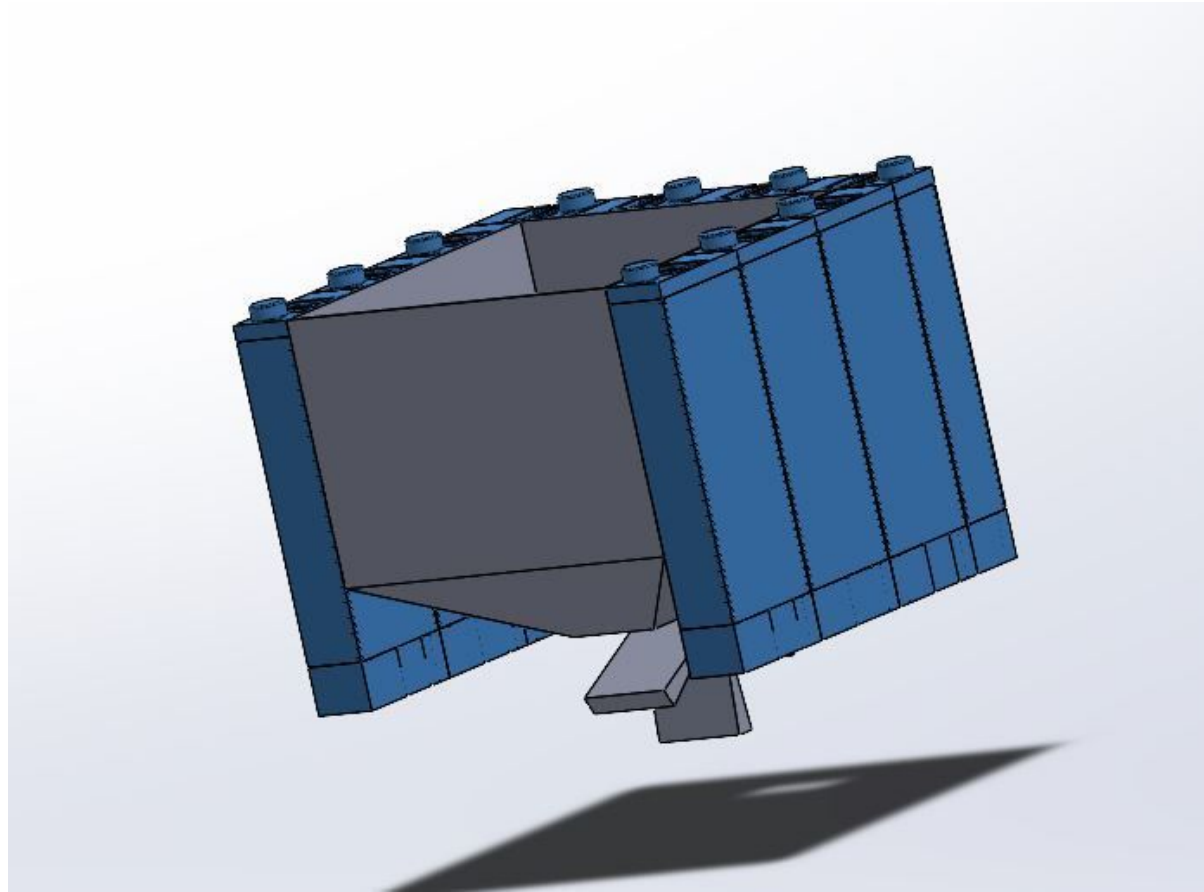
Ice Dispenser Assembly

Ice Container and Dispenser Wheel



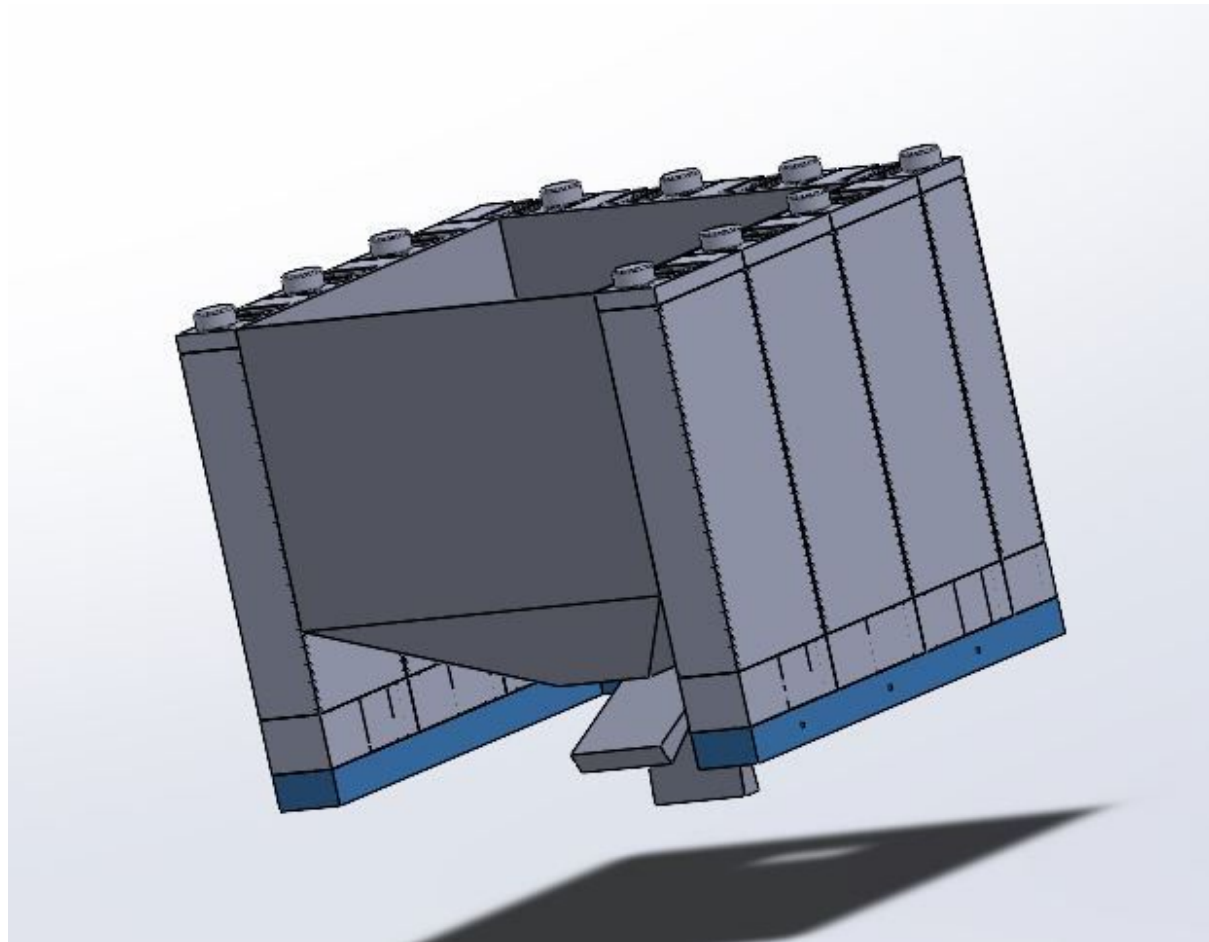
Liquid Containers

10 liquid containers placed around the
ice container



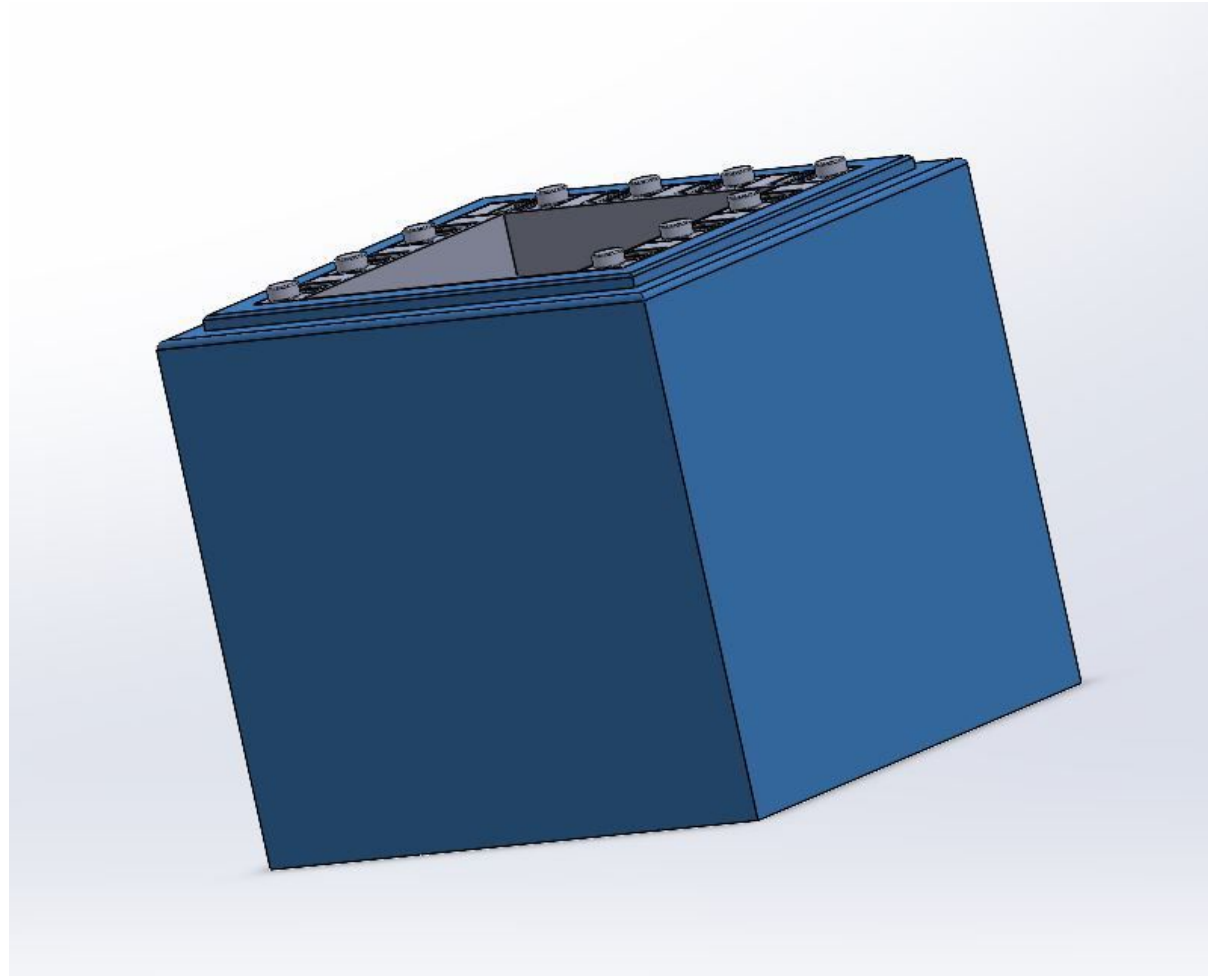
Liquids Base

Ice container, dispenser, and liquid containers mounted on base



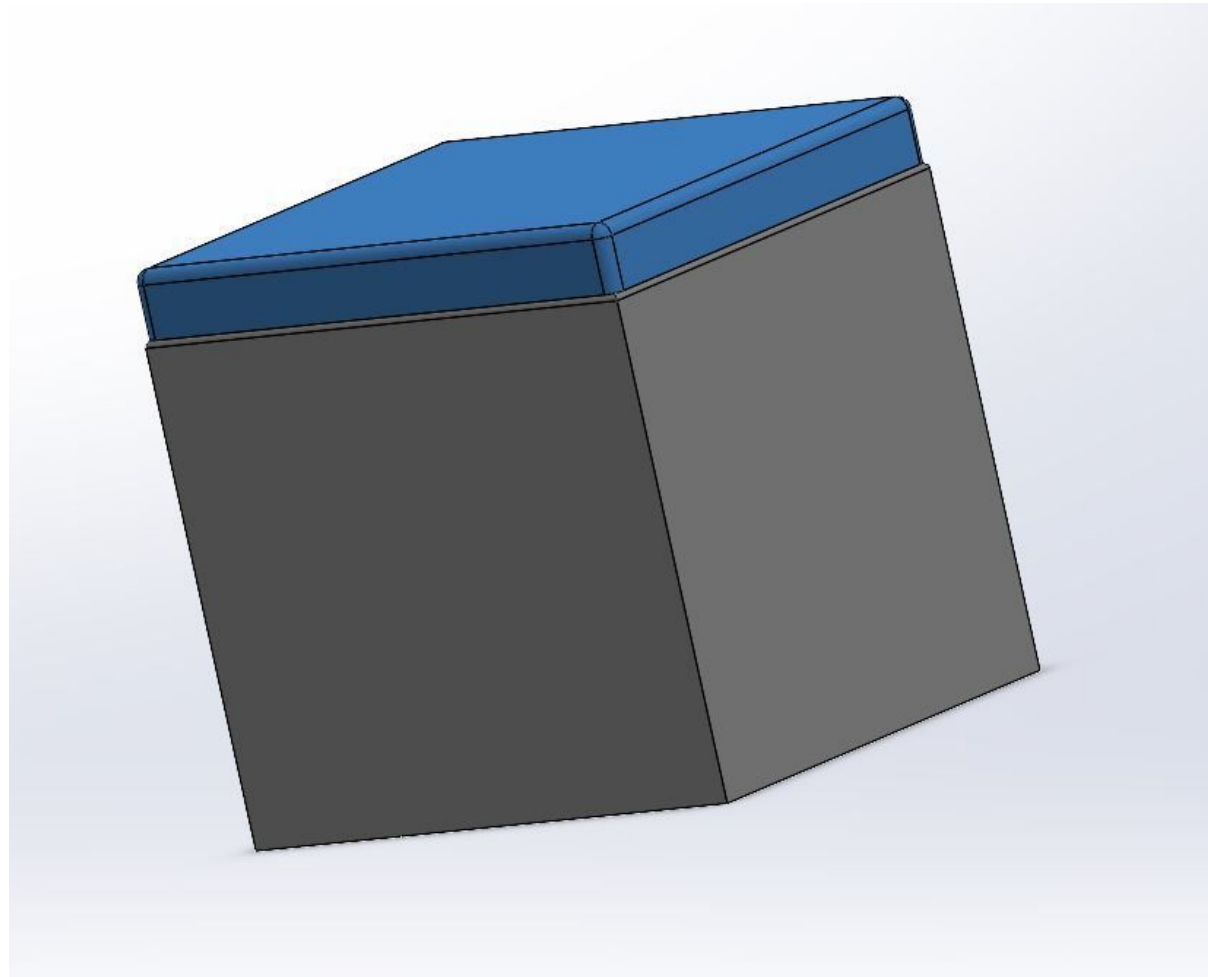
Cooler Bottom Shell

Contains ice container and 10 liquid containers



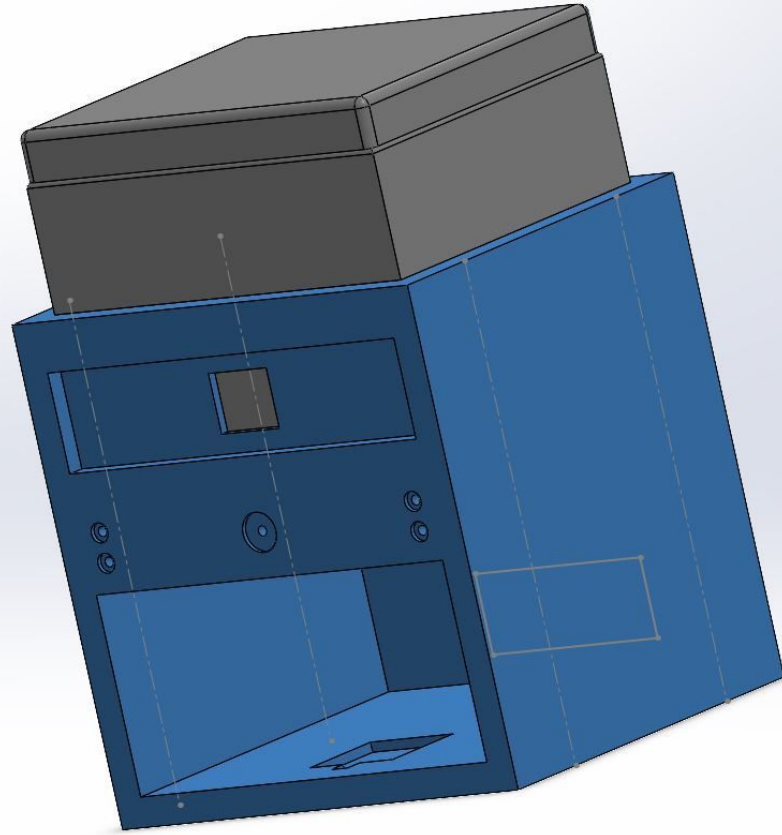
Cooler Top

Provides an airtight seal with a waterproof rubber gasket



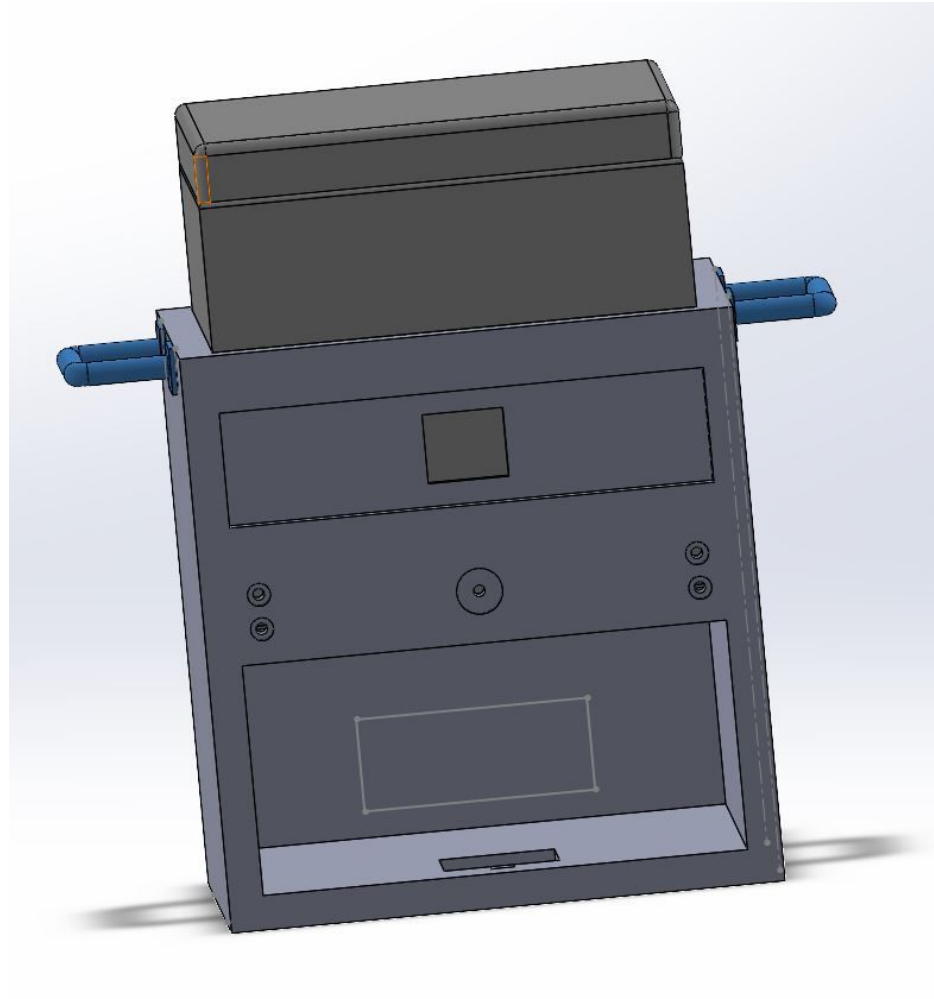
Cocktail Maker Shell

Contains cooler assembly



Handles

Handles attached to cocktail maker
sides

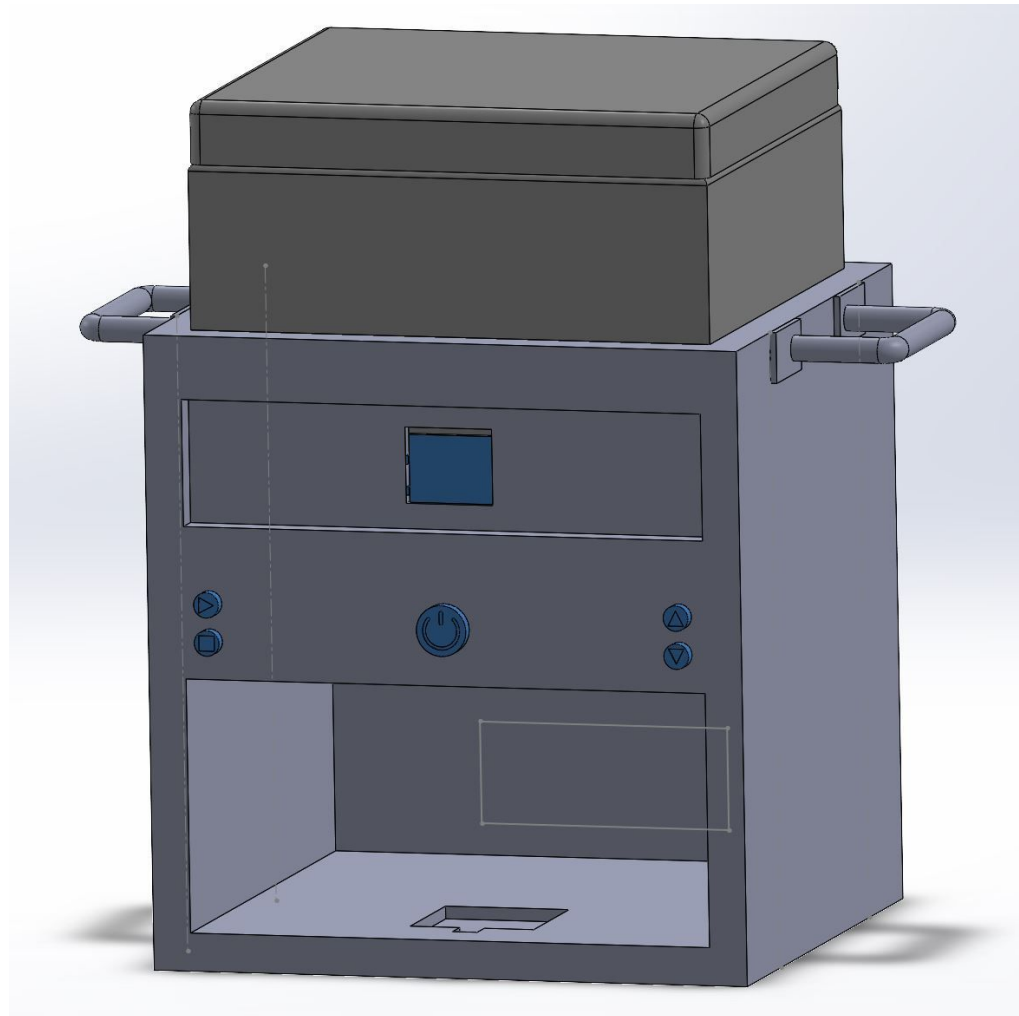


Arduino, Buttons, and Power Button

Arduino controls pumps and motor
with inputs from buttons, powered by
batteries

Power button used to turn machine
on/off, features built-in lighting

4 buttons used to select drink recipe
and start/stop dispensing process

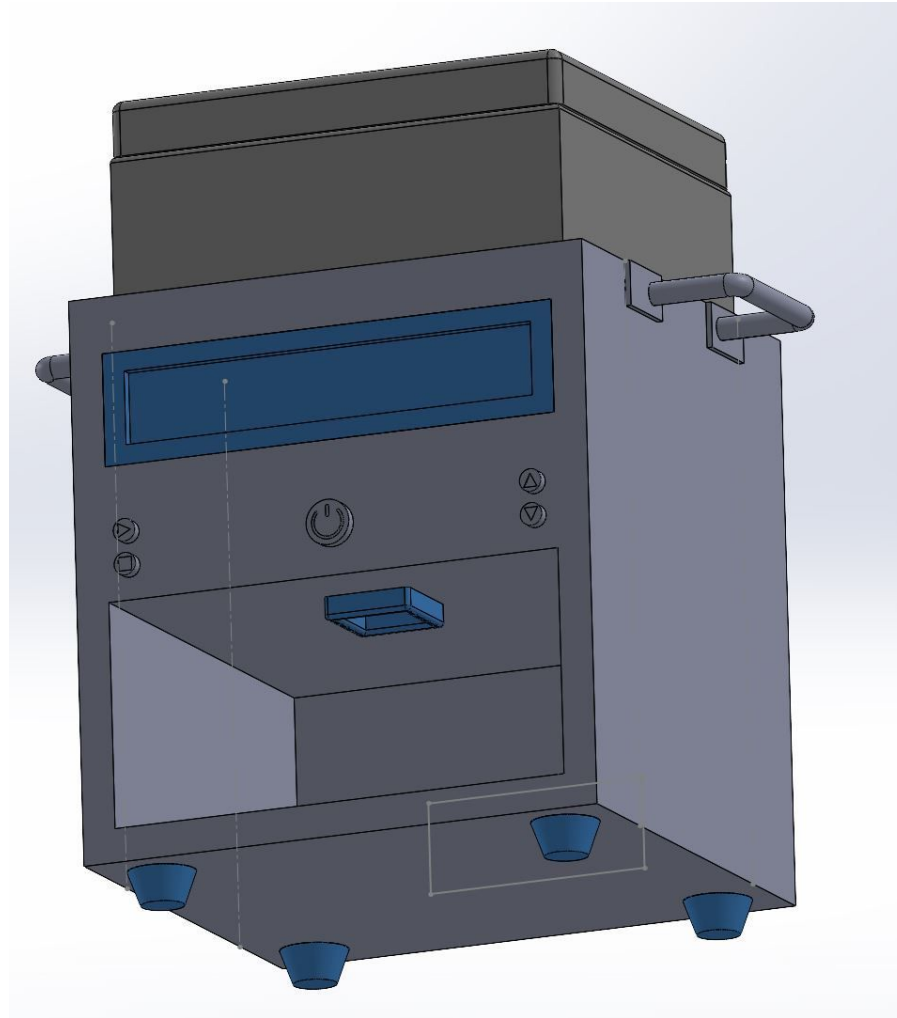


LCD Screen, Dispenser, Multi-Head Nozzle, and Feet

LCD screen displays drink information

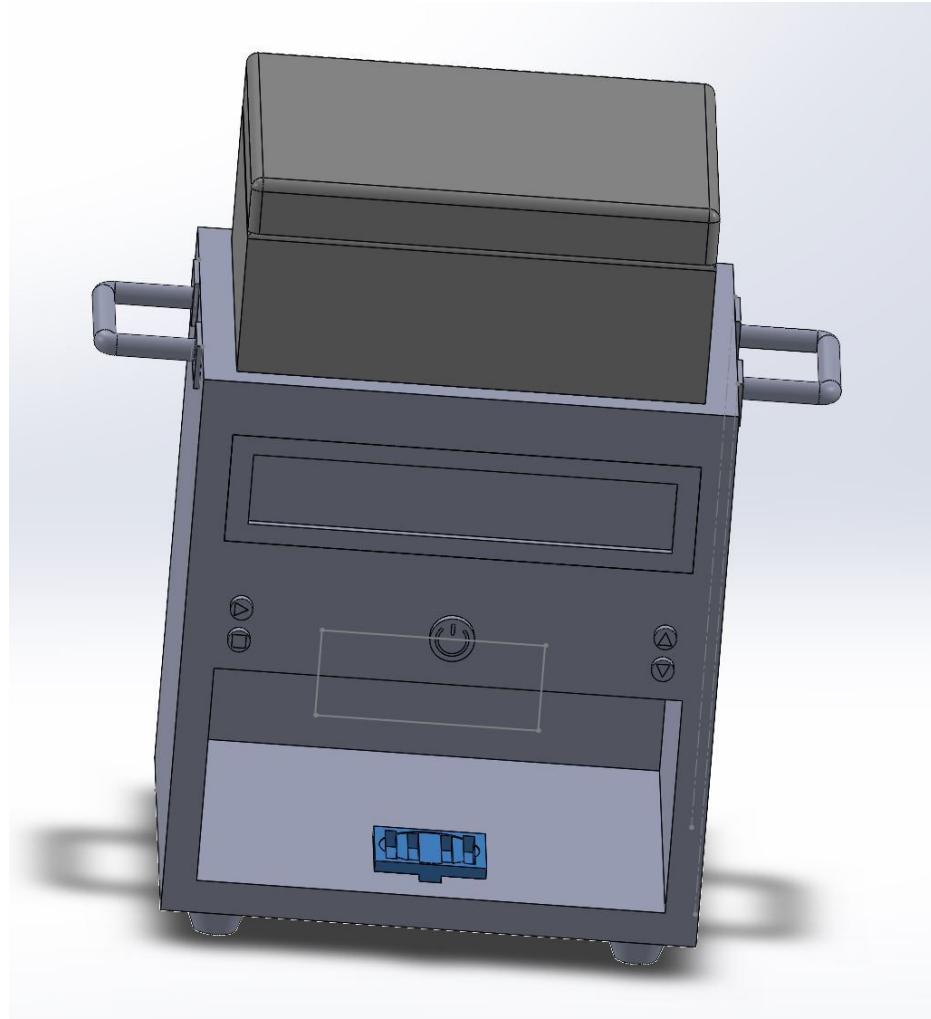
Multi-head nozzle dispenses ice and
10 liquids

Rubber feet are attached under the
base



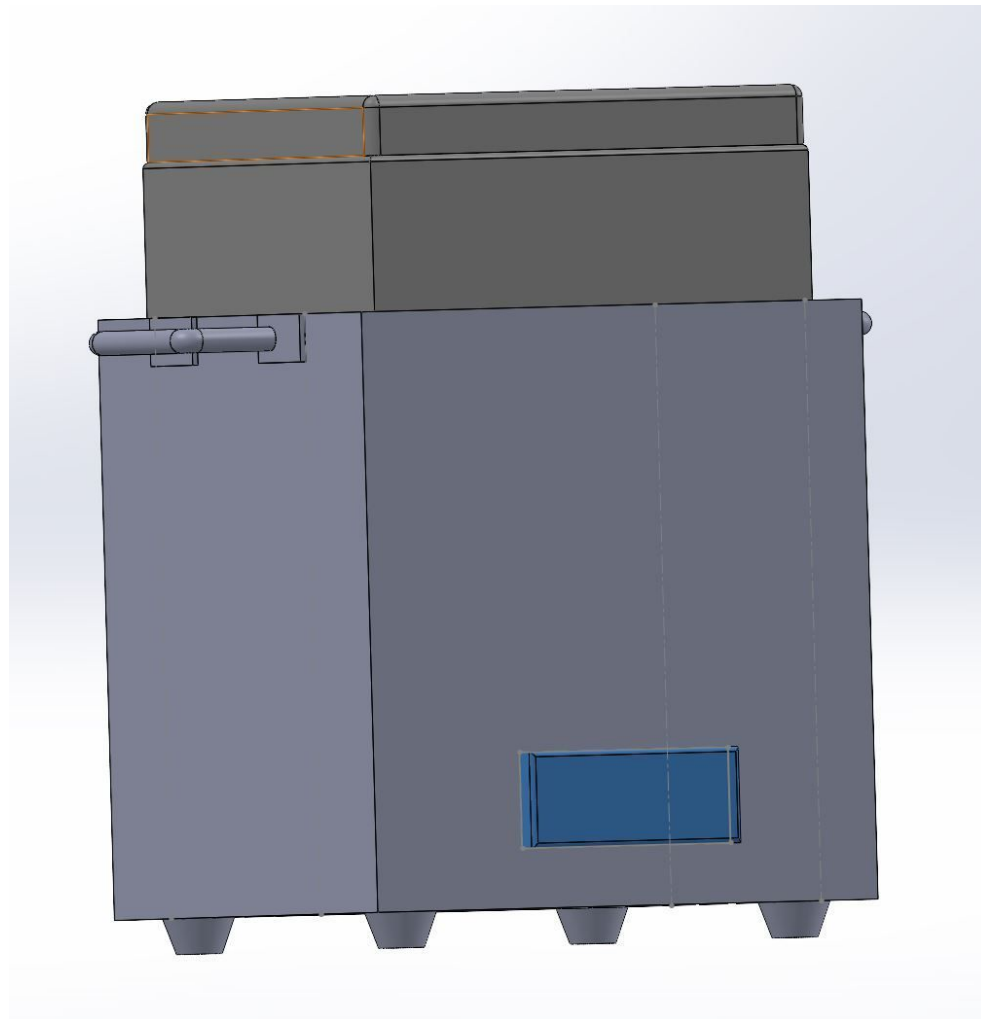
Drink tray

Holds cup and collects excess fluids



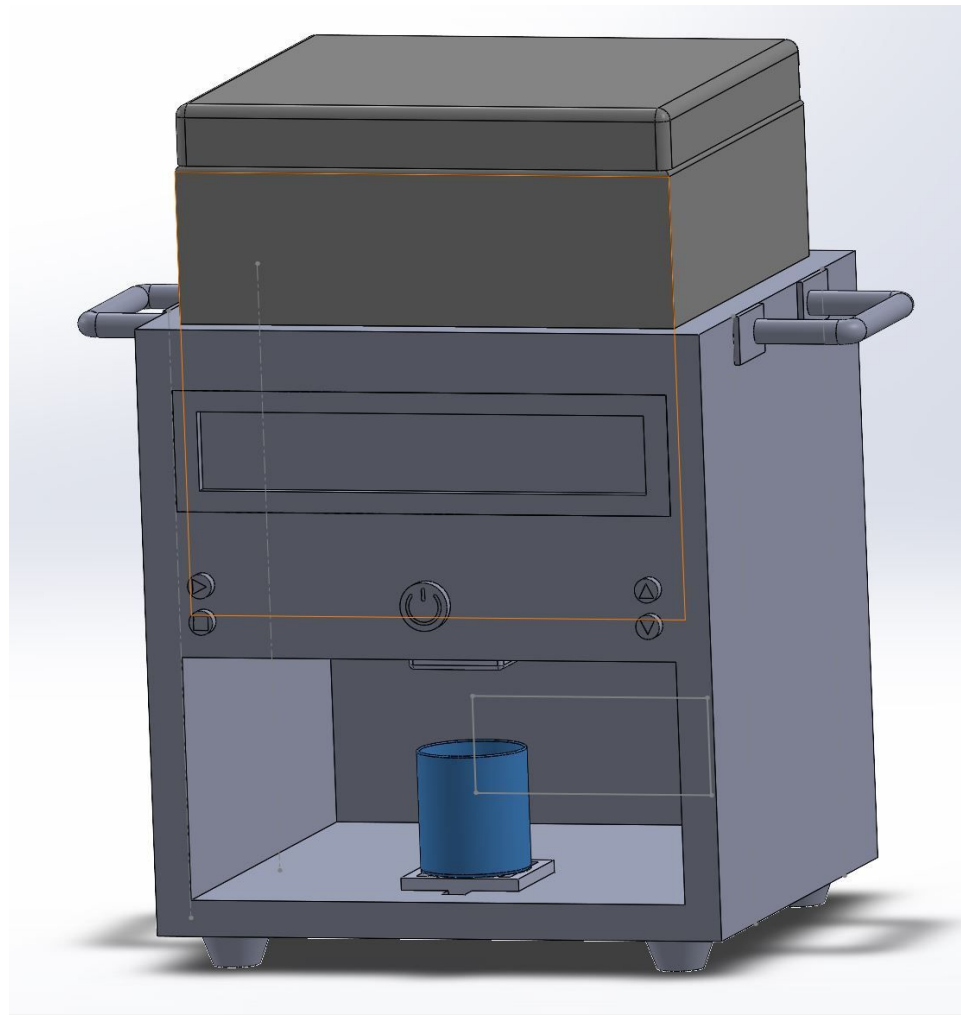
Battery pack

Contains batteries to power machine



Cup

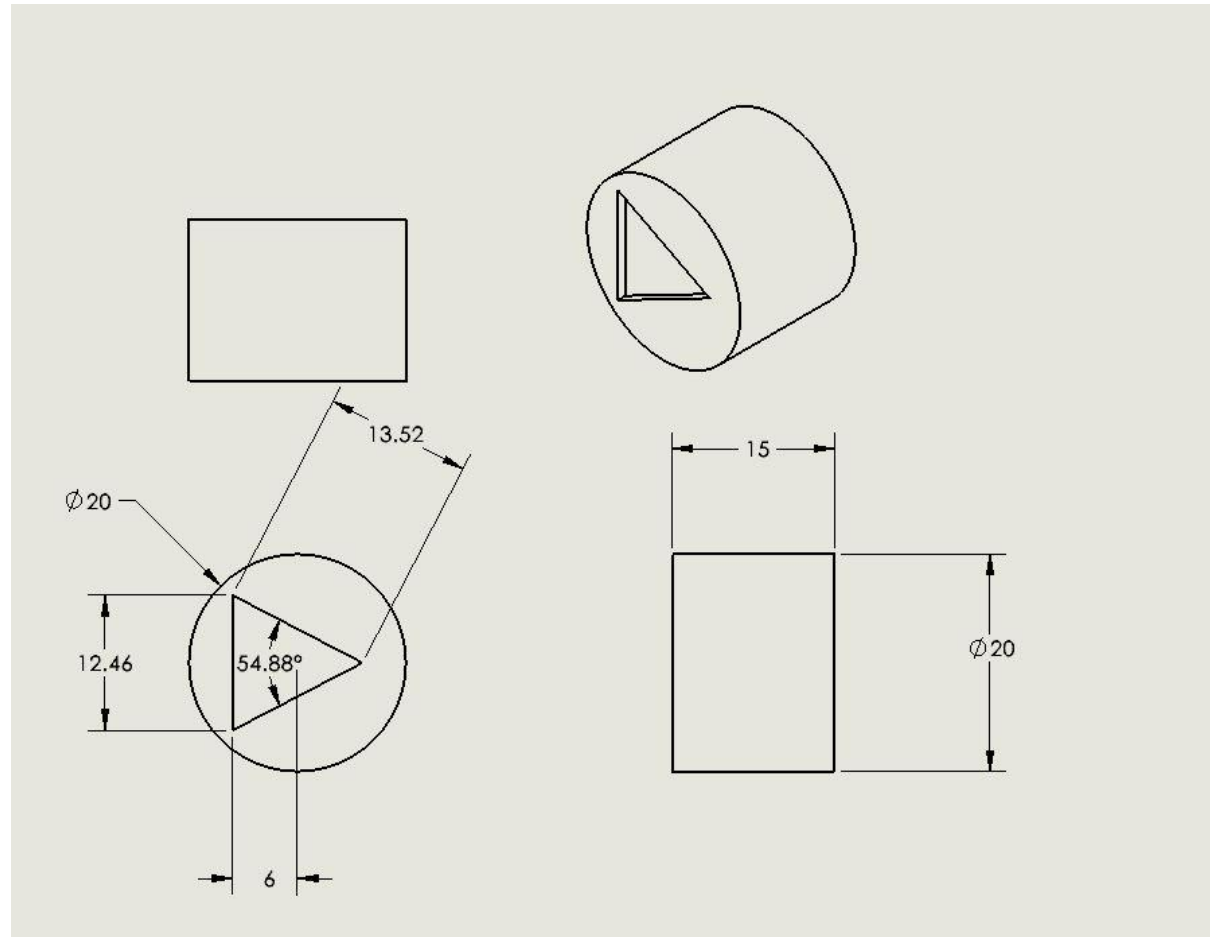
Cup used for containing dispensing fluids



Arrow Button

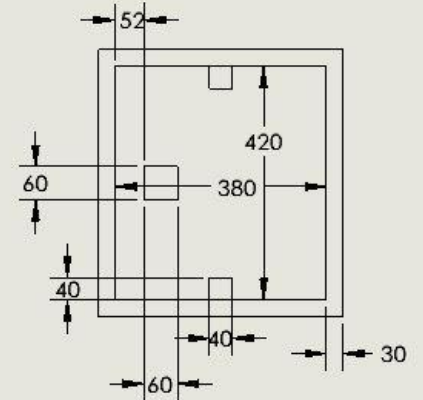
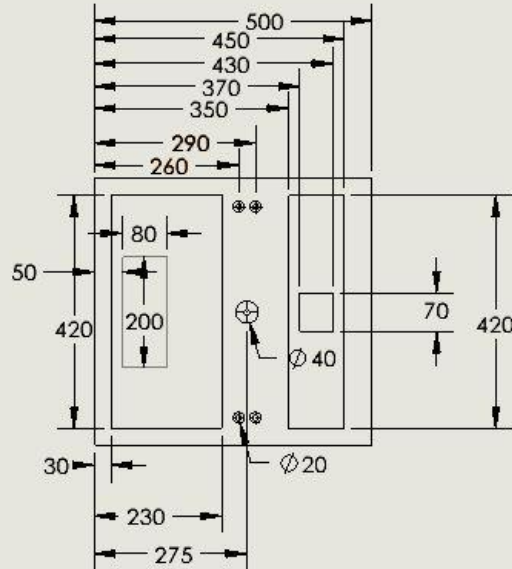
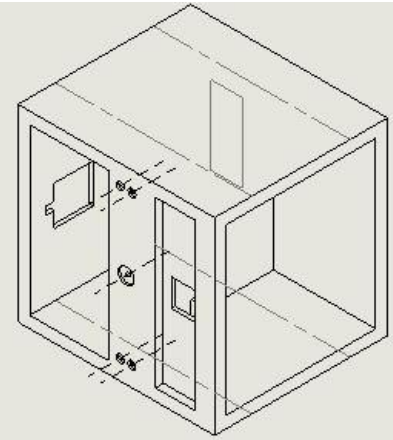
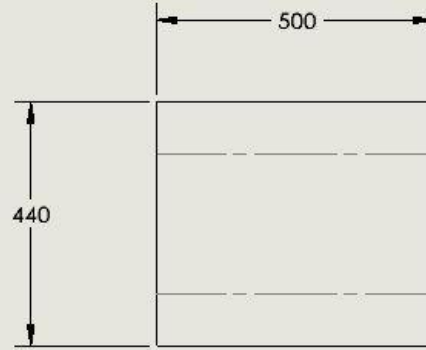
Part #21

Used to navigate user interface



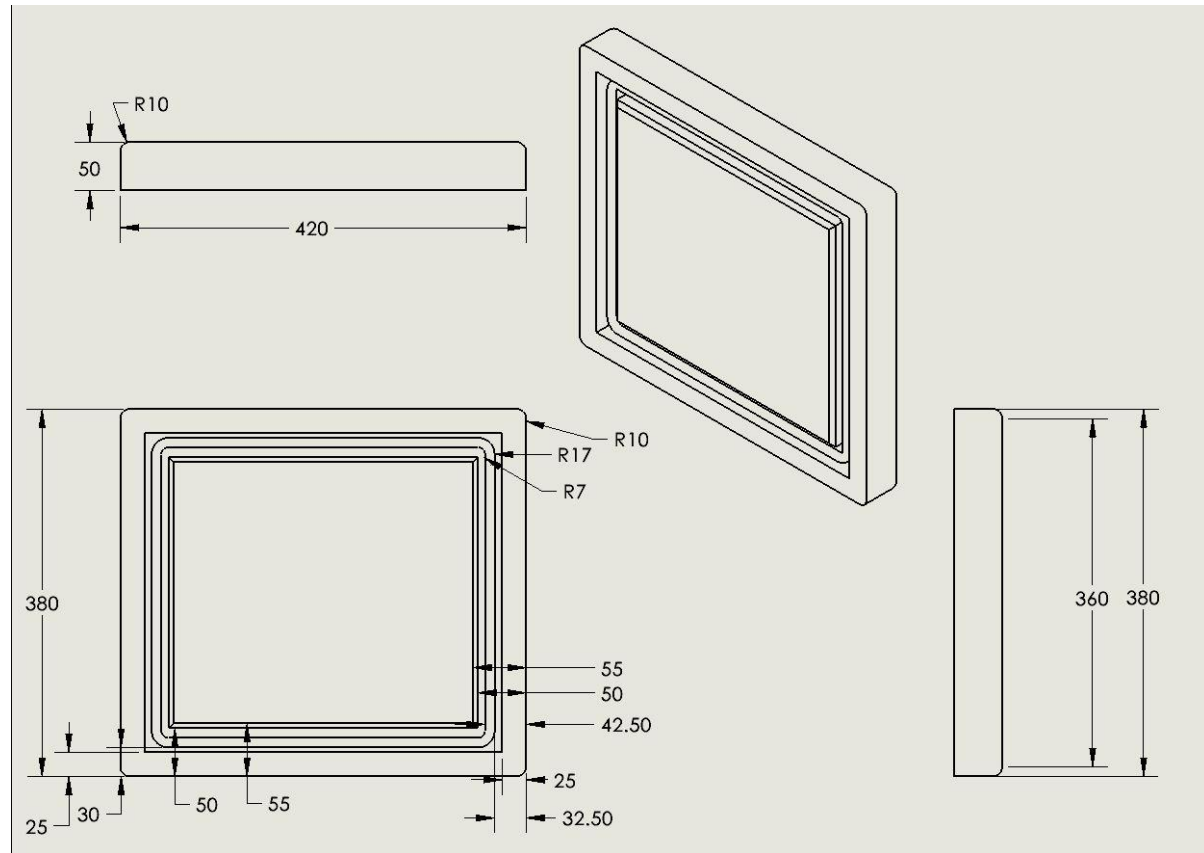
Outer Shell Part #1

Contains components in bottom half of machine



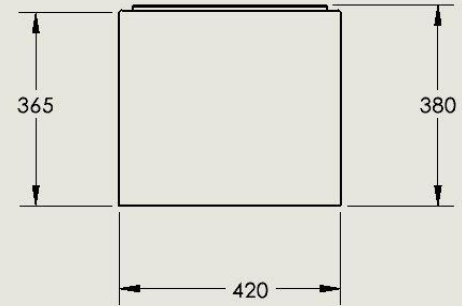
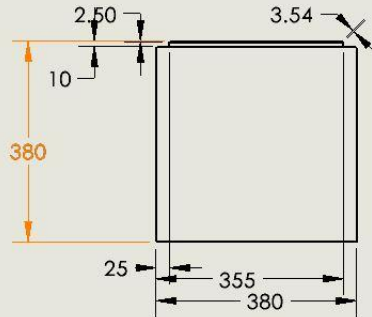
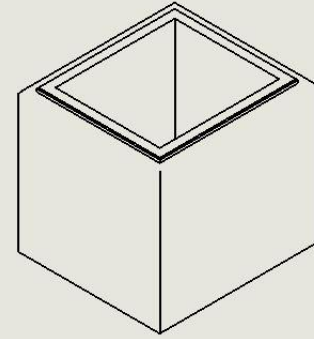
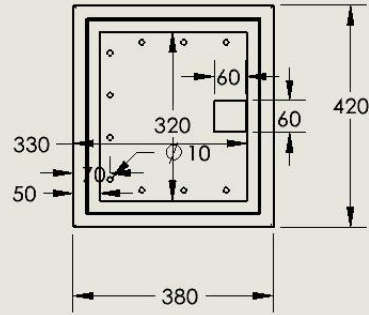
Cooler Cover Part #16

Covers fluid and ice storage



Cooler Outer Shell Part #7

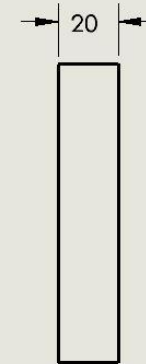
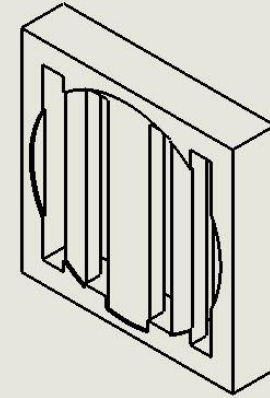
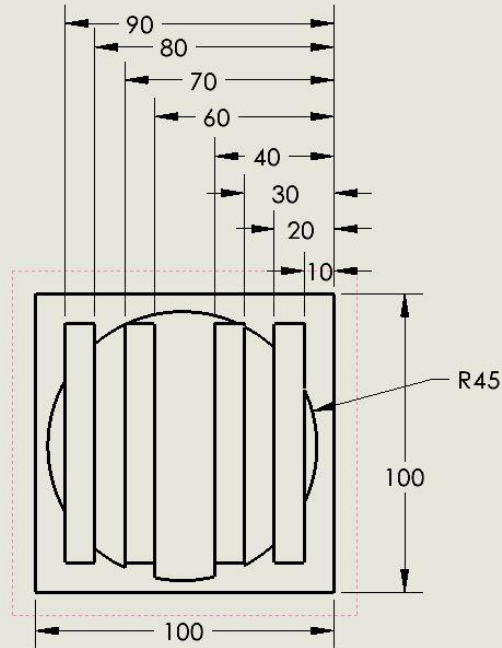
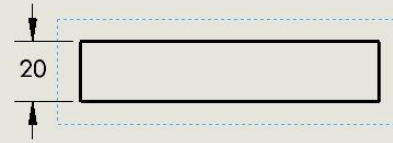
Contains fluid and ice storage



Drink Tray Grate

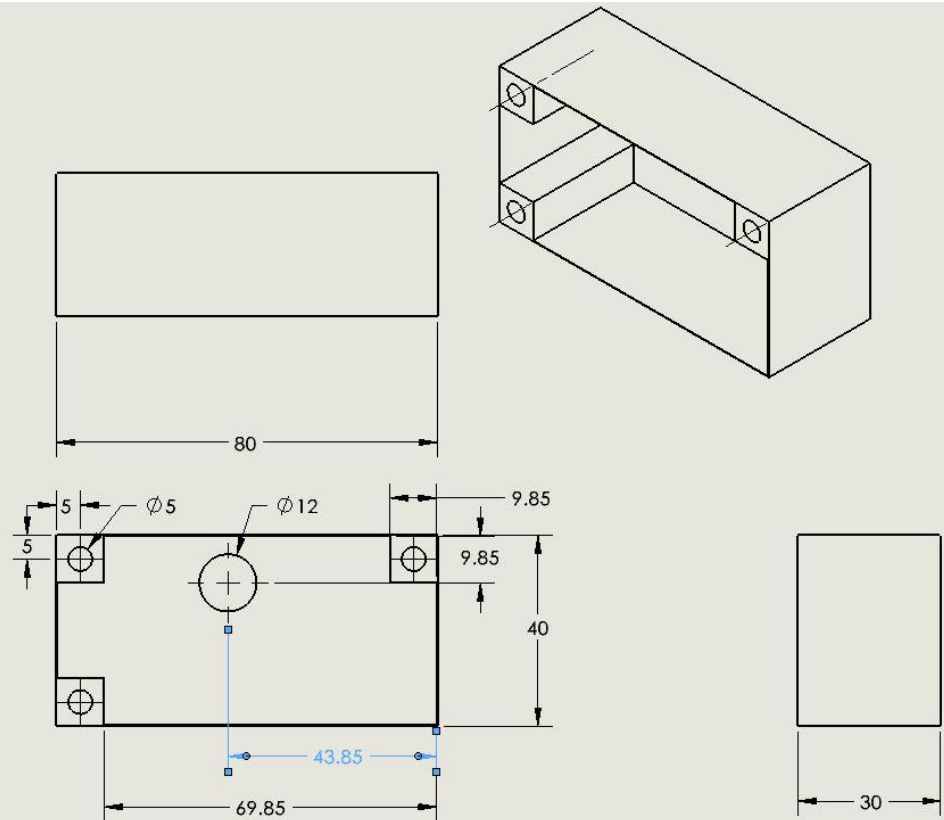
Part #22

Holds cup and collects excess fluids



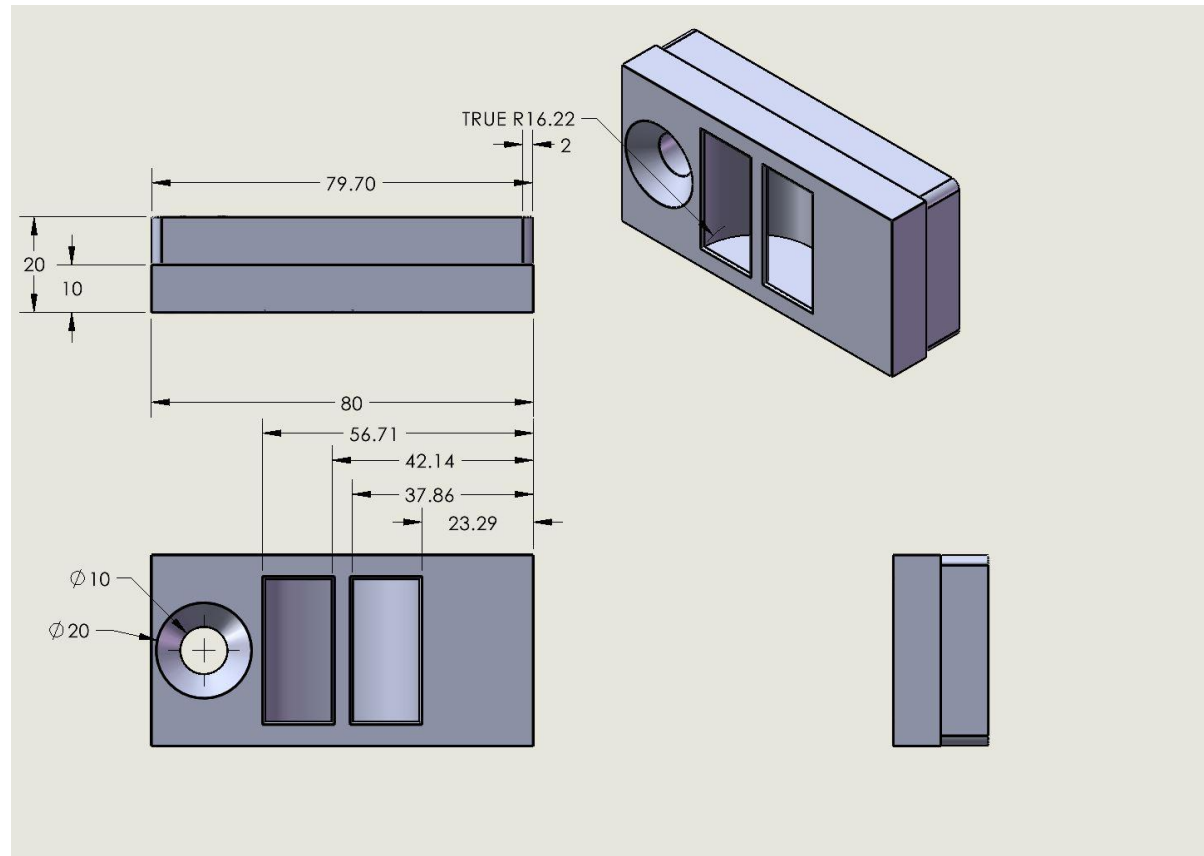
Liquid Container Base Part #13

Holds fluid storage



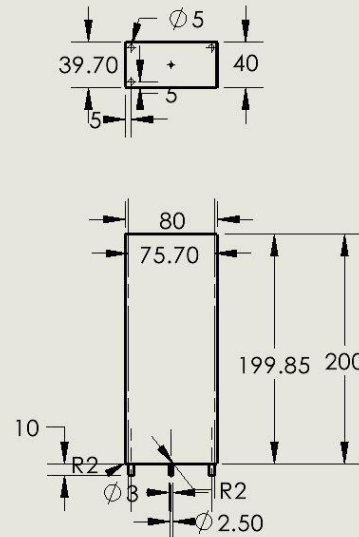
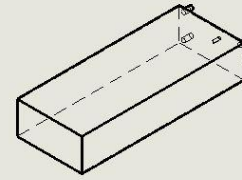
Liquid Container Lid Part #10

Lid for fluid storage (has handle for easy removability)



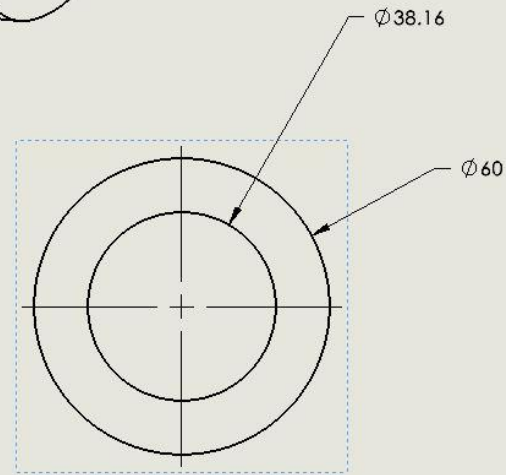
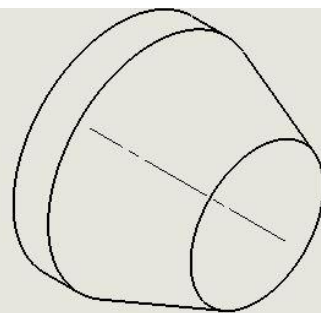
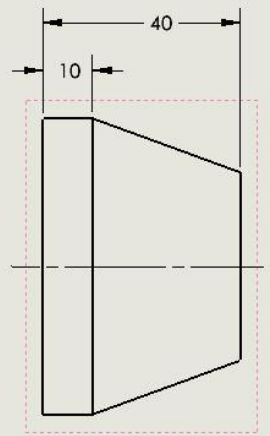
Liquid Container Walls Part #11

Walls for liquid storage



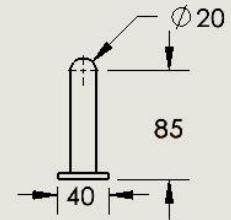
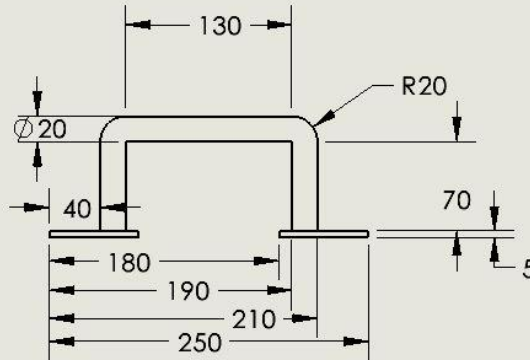
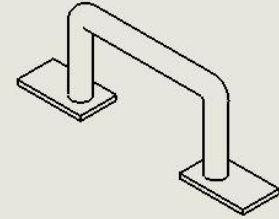
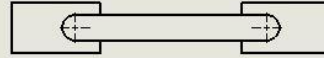
Foot Part #4

Foot for bottom of base (four feet)



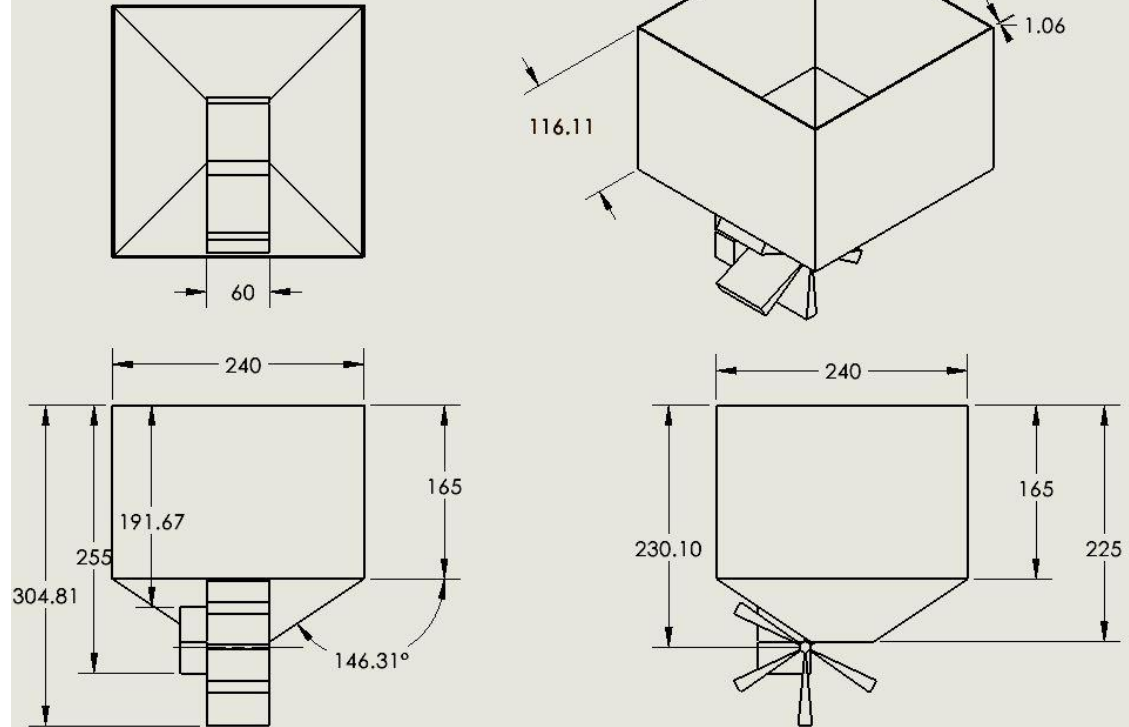
Handle Part #19

Handles on the sides to allow easier lifting.



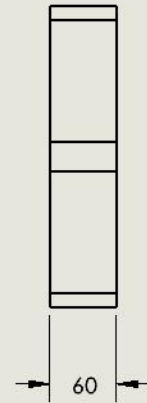
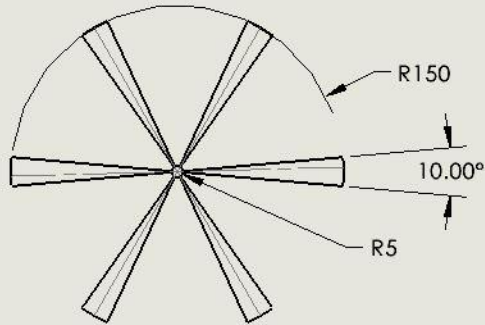
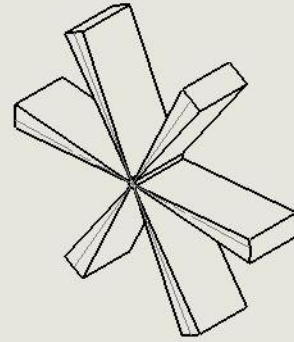
Ice Container Part #14

Storage for ice and wheel dispenser
with motor attached



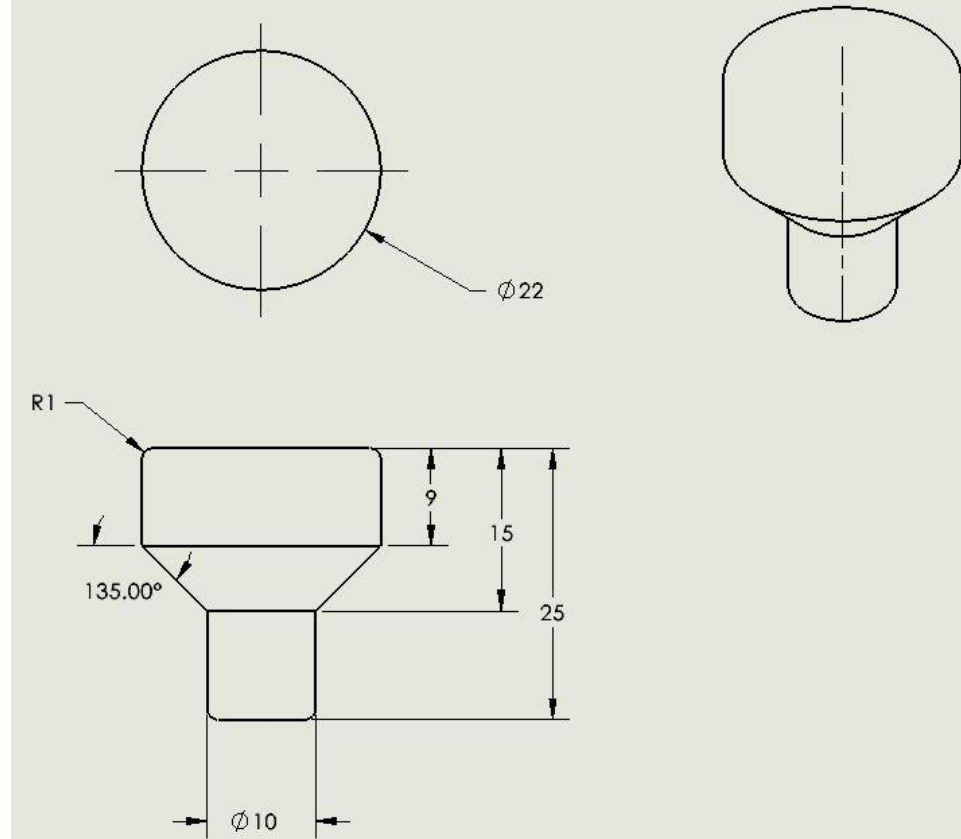
Ice Dispenser Wheel Part #5

Dispenses ice, located inside cooler



Liquid Container Cap Part #9

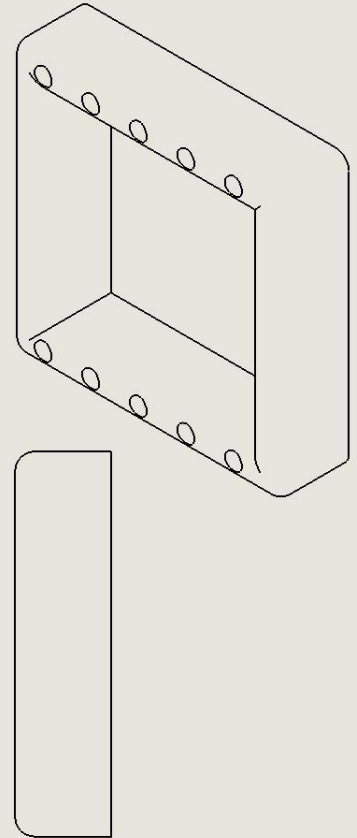
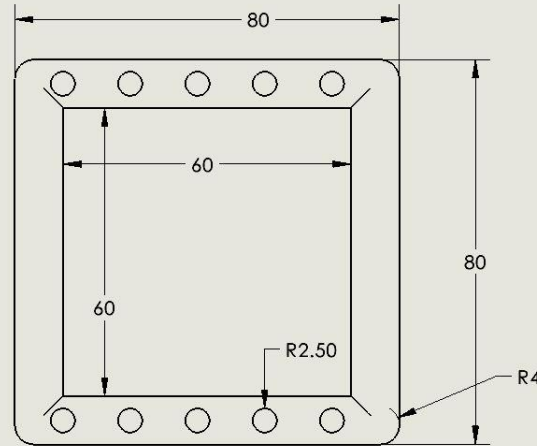
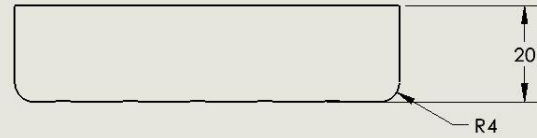
Cap used to easily refill liquid storages



Multi-head Nozzle

Part #2

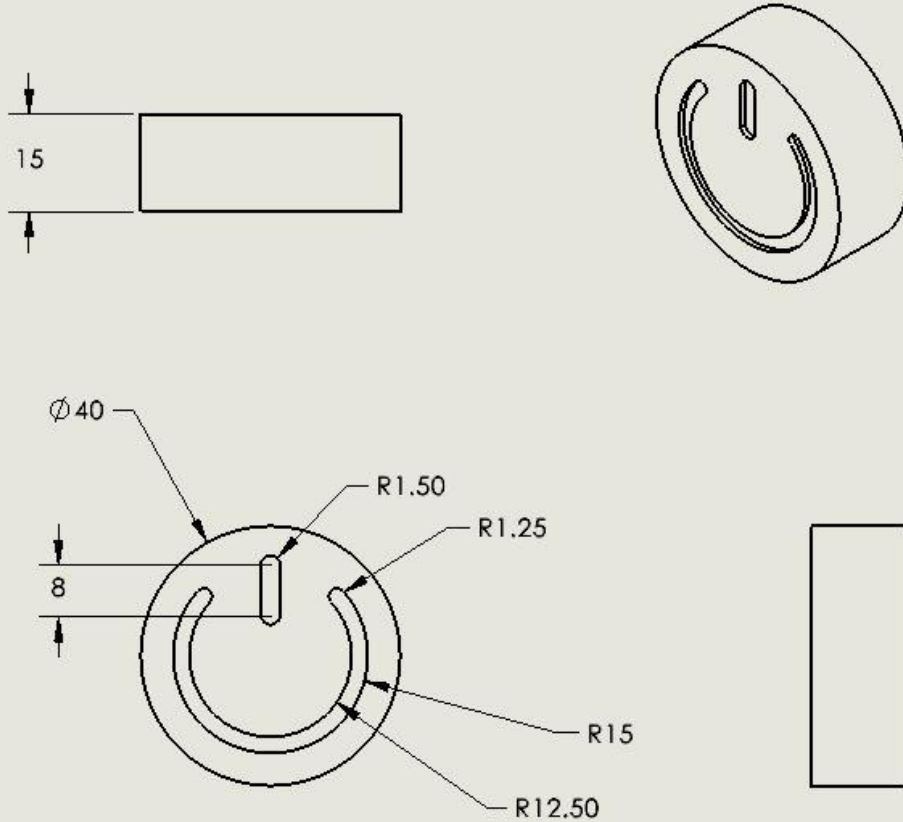
Dispenses ice and 10 liquids



Power Button

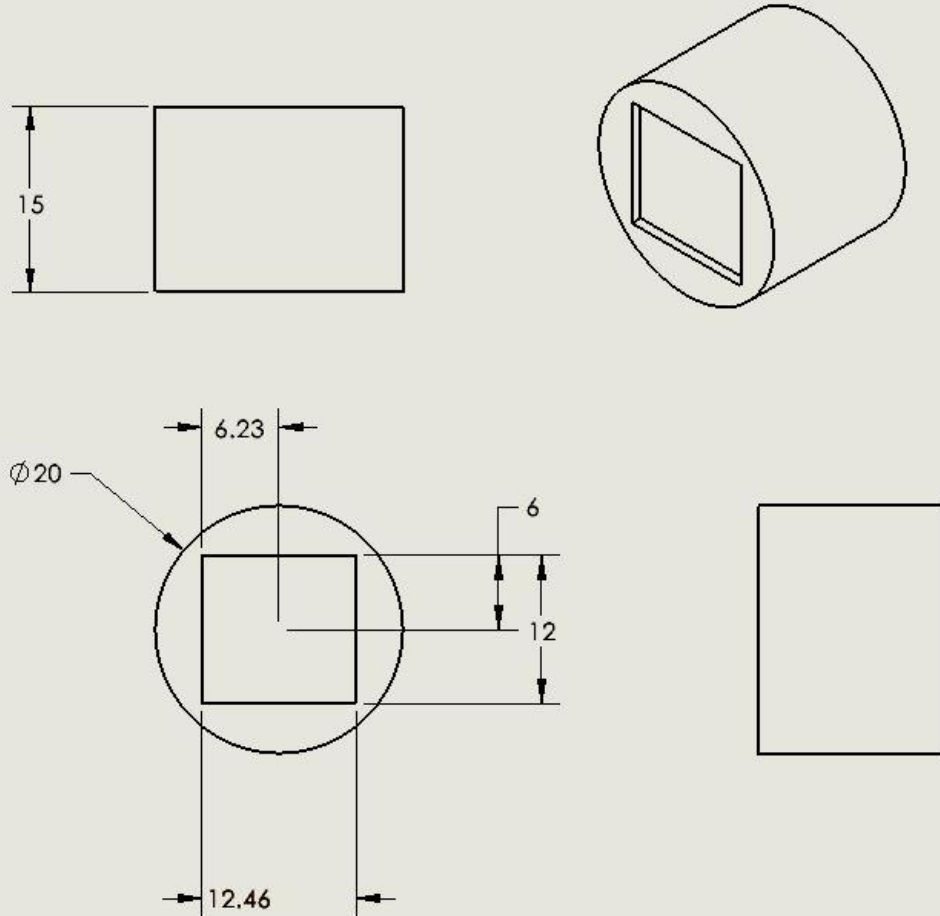
Part #20

The button to instantly turn off/on the machine.



Buttons Part #21

Button used to pause drink creation process



Liquid Mount Base Part #17

Holds liquid storage containers

