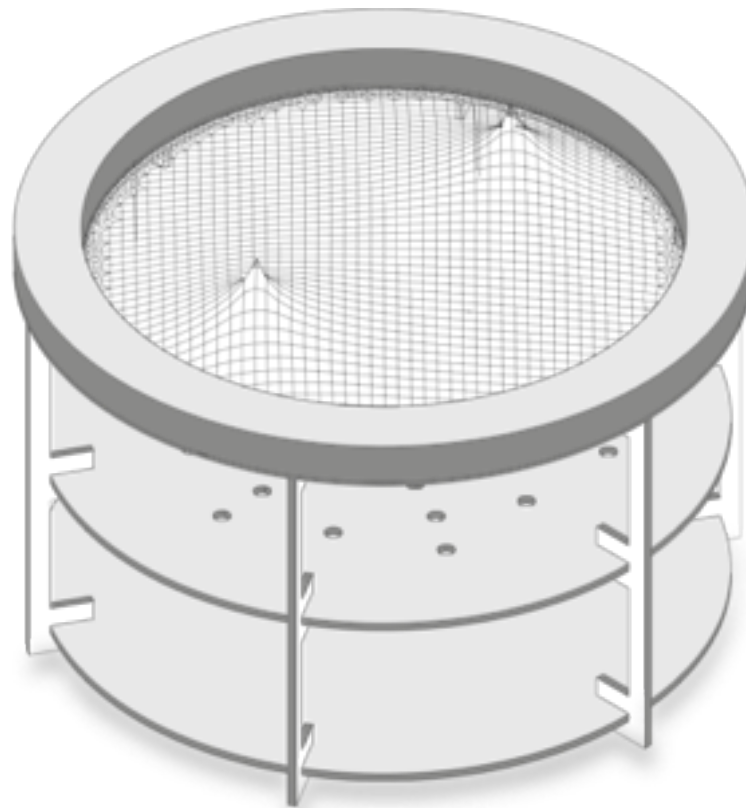


ARDUINO WORKSHOP

Orion Campus
Ran Shabtay
Nathanel Elfassy



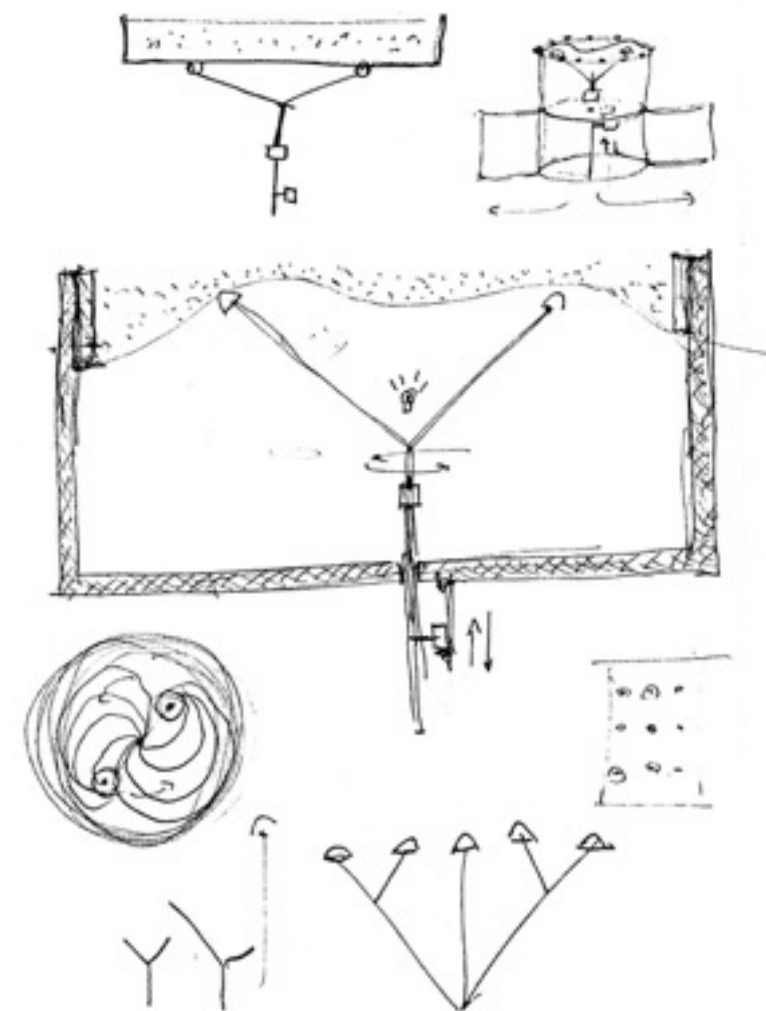
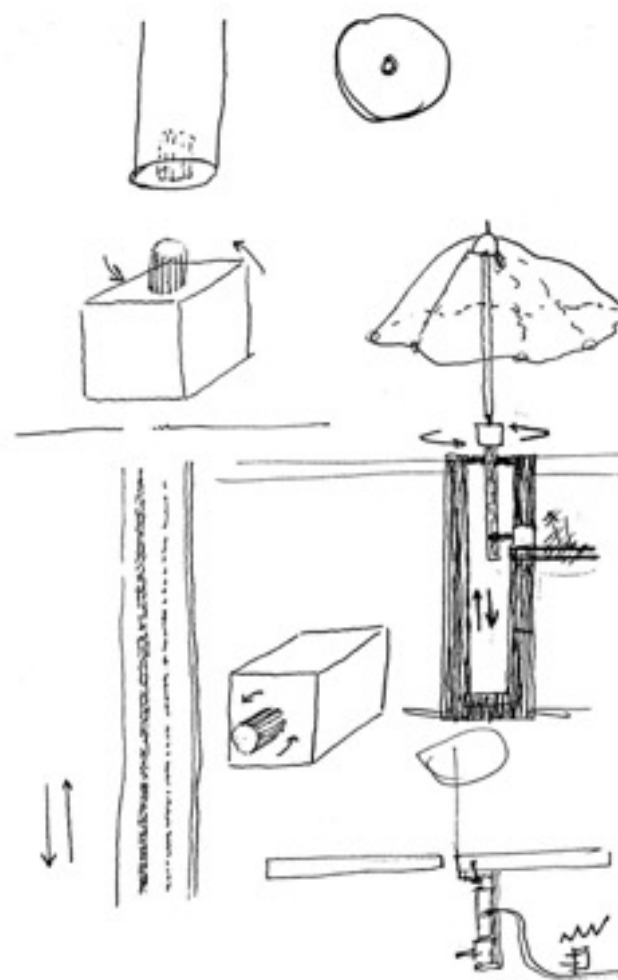
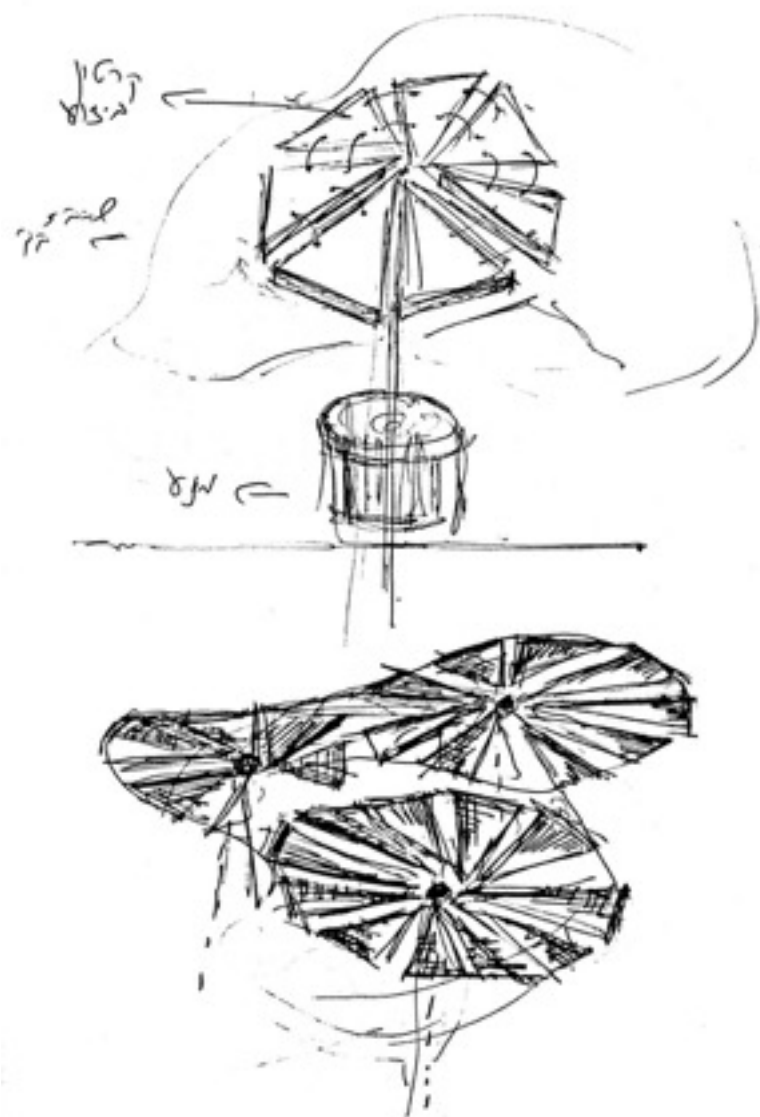
David Afonso
Eliran Buzaglo
Yair Ben David
Maria Korpachev

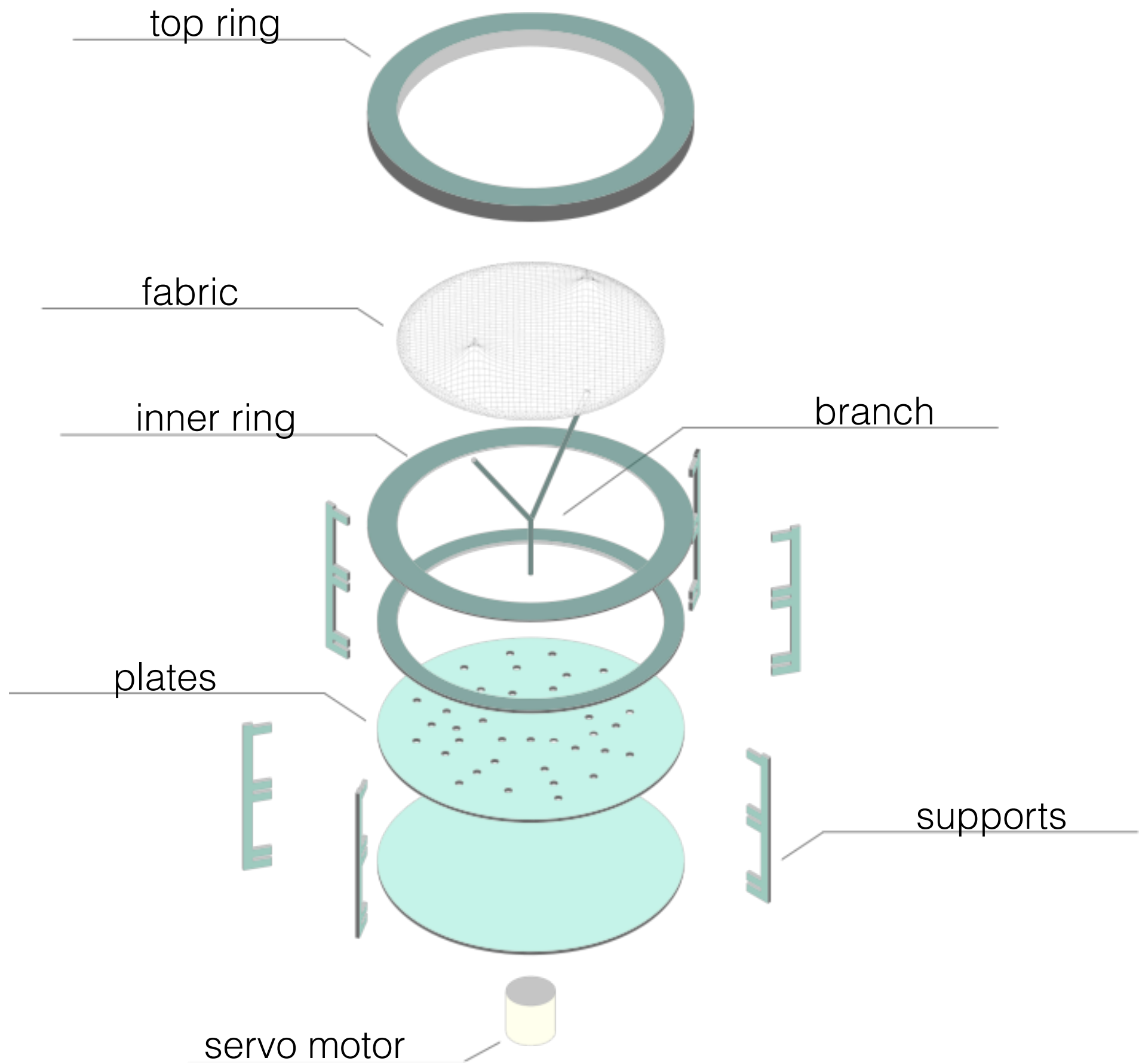


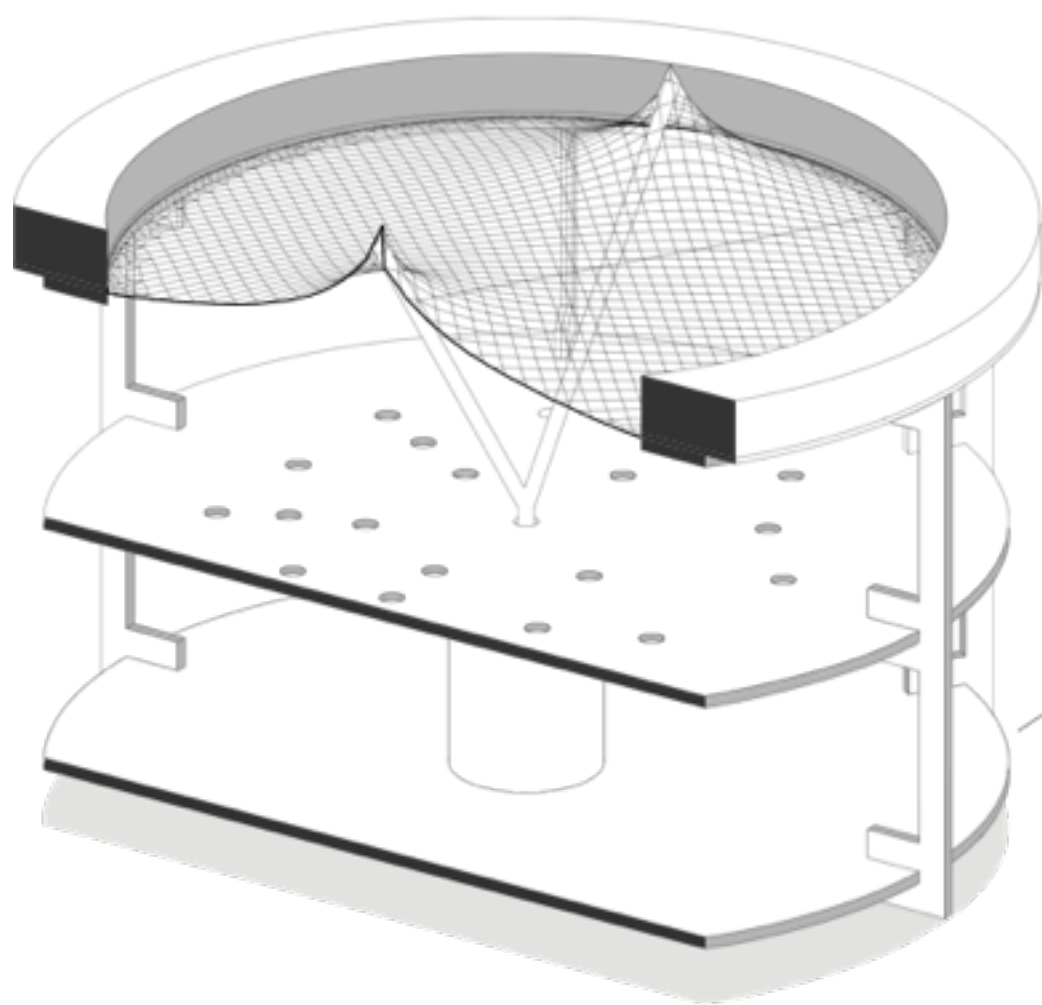


• KINETIC WALL

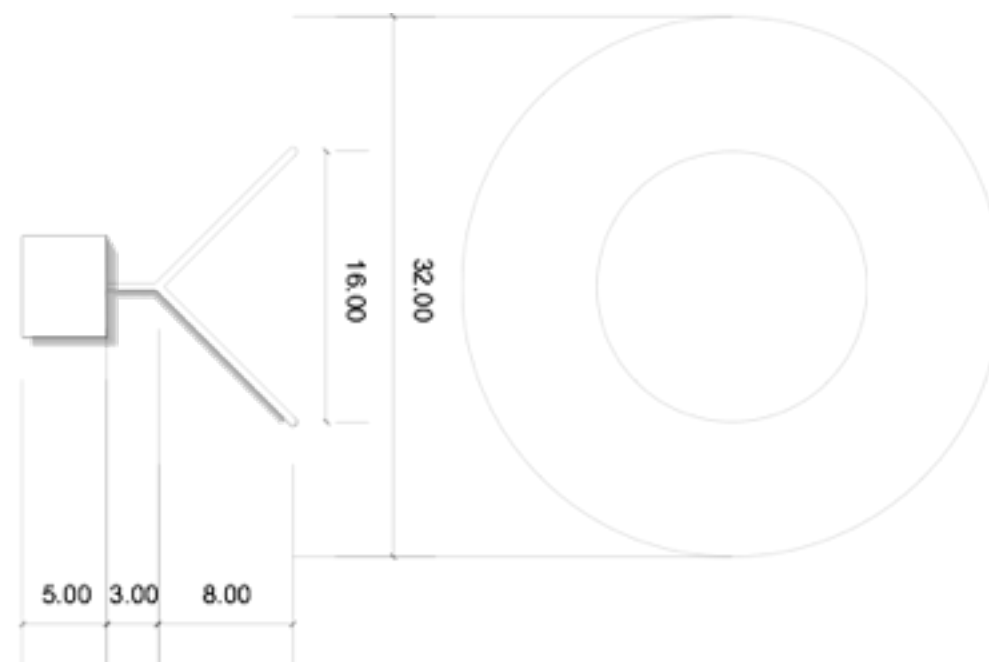
14th International Architecture Exhibition



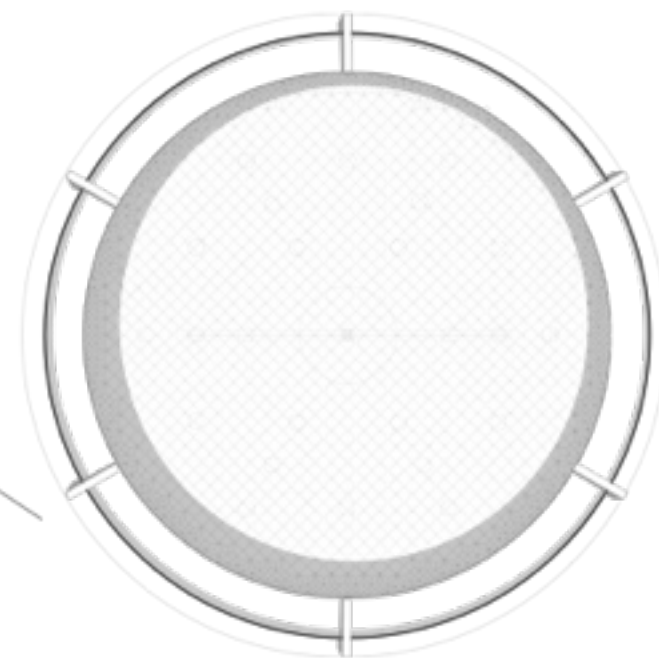




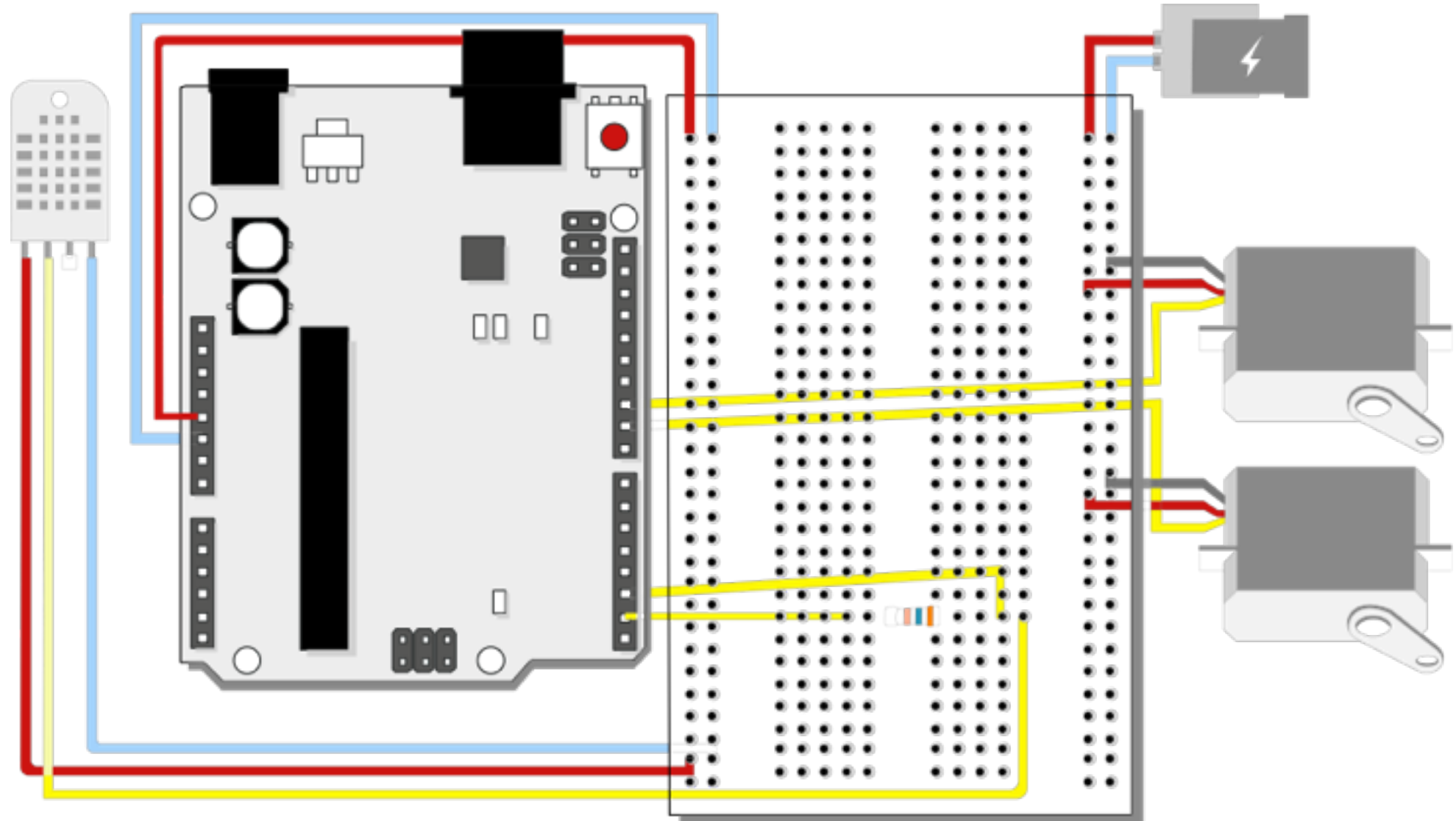
section



top view



Electronic Connections

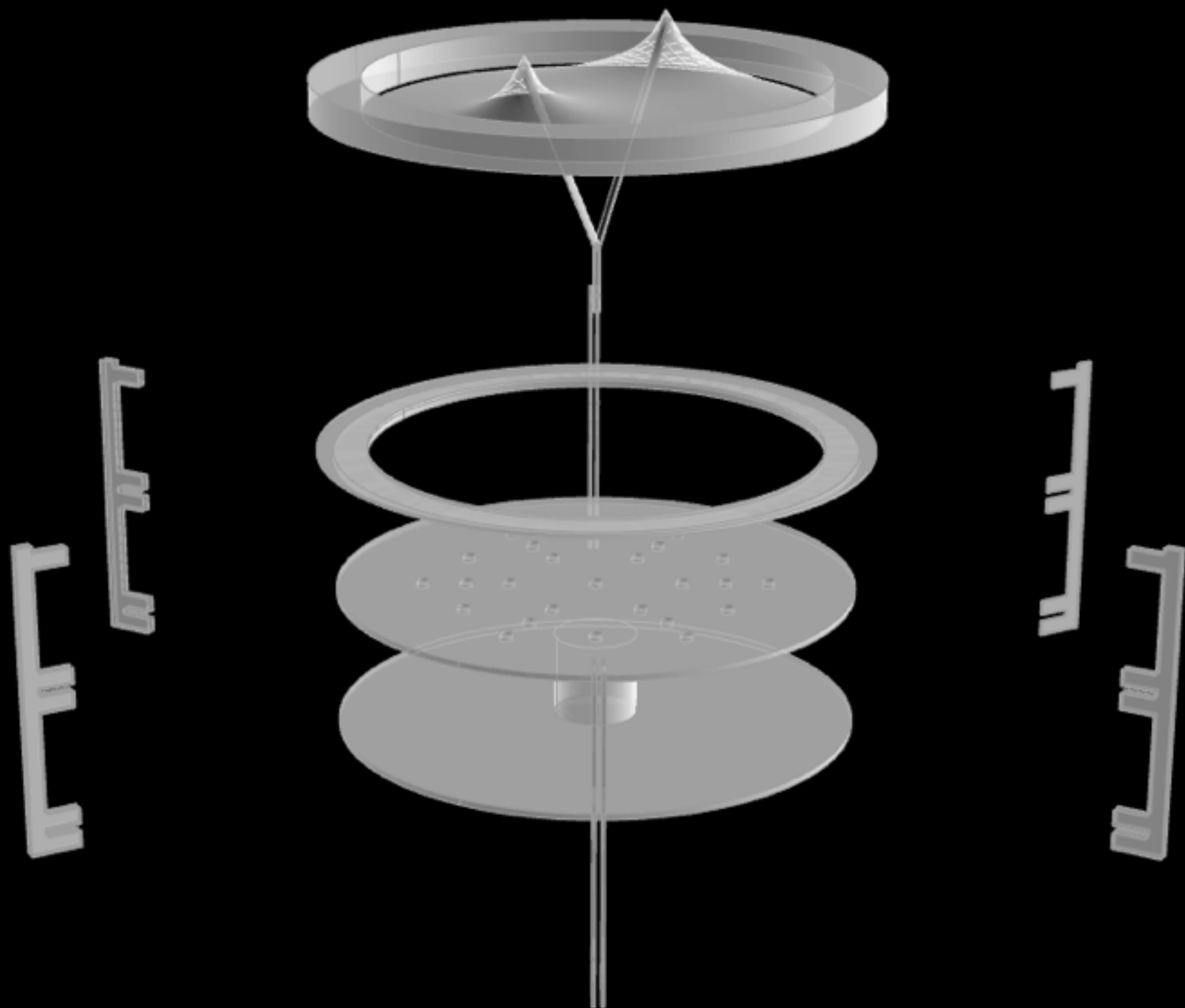


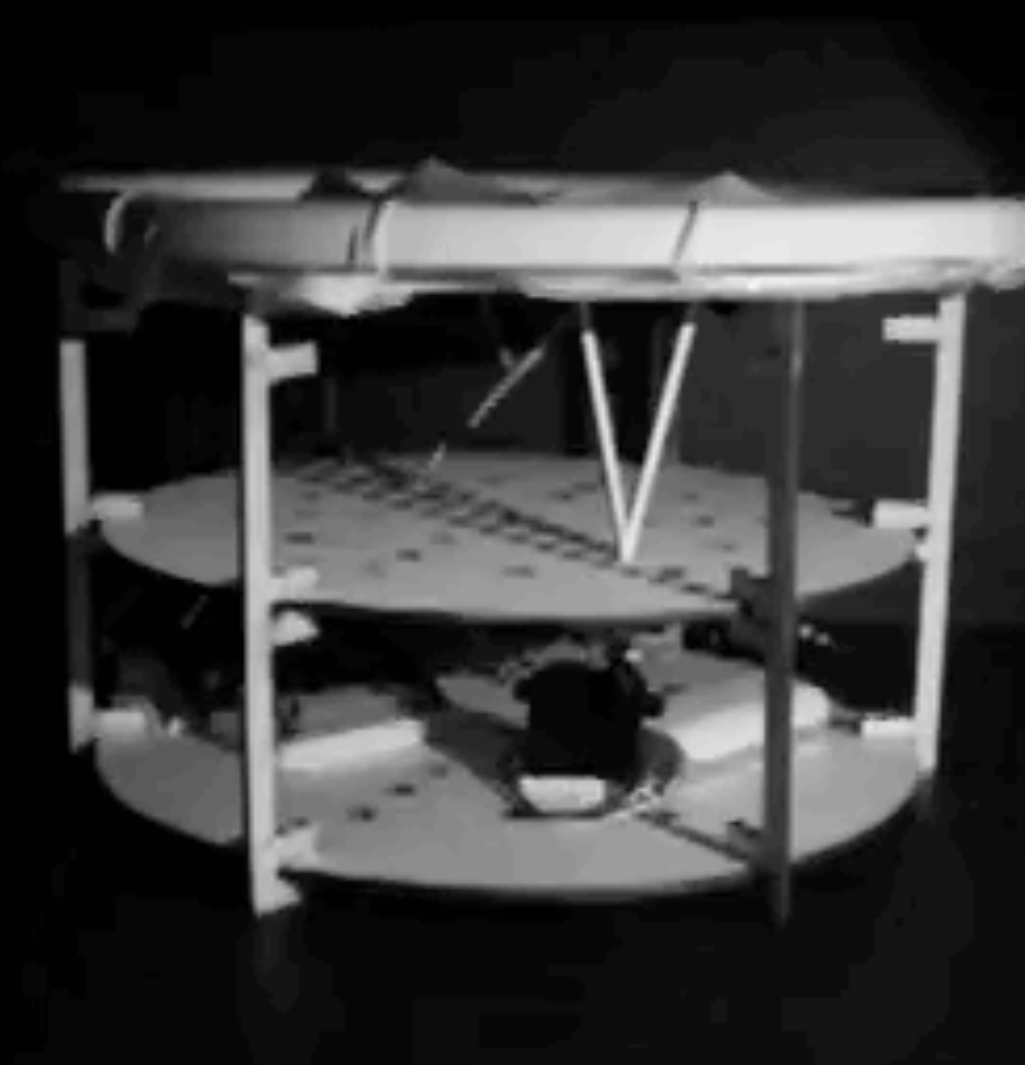
Arduino Code

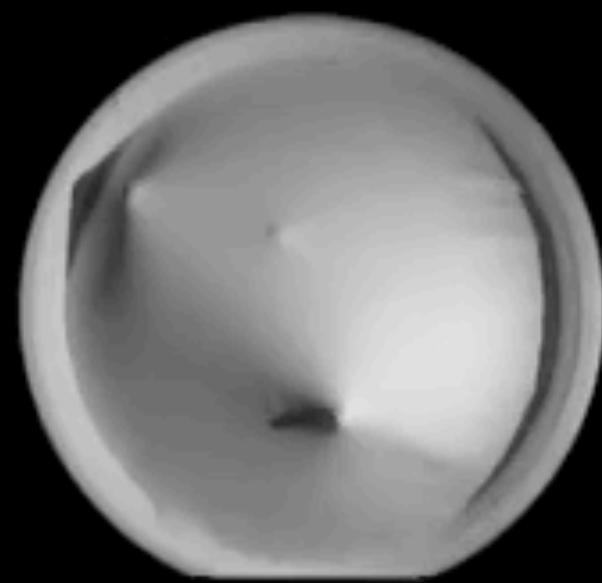
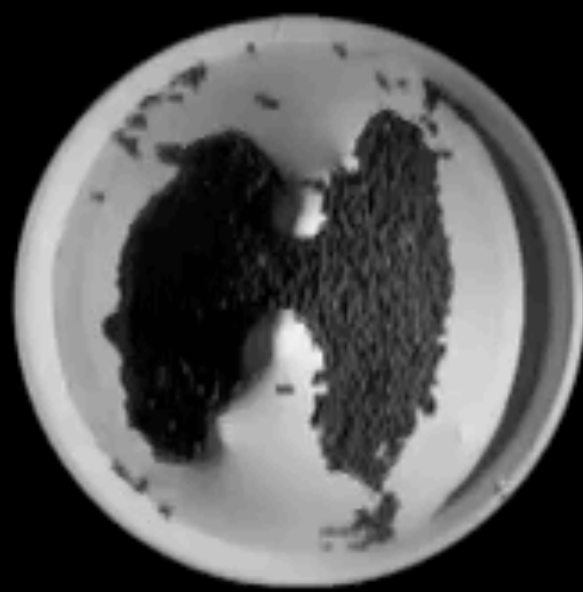
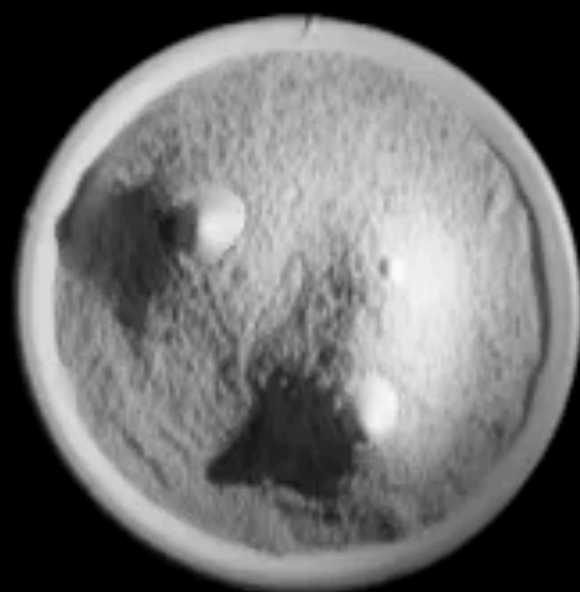
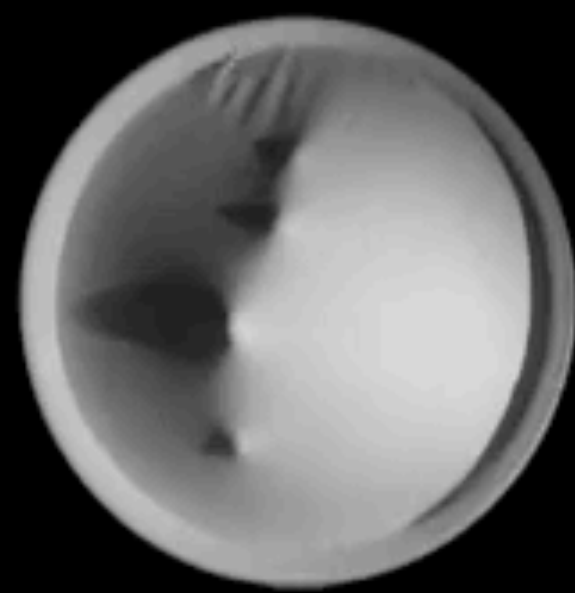
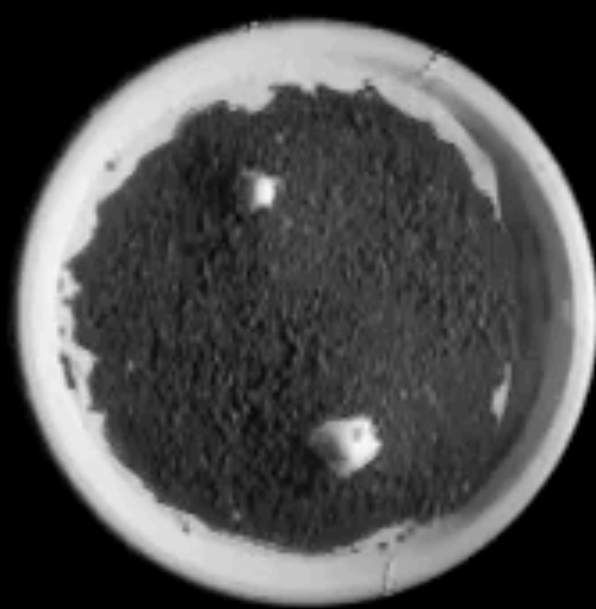
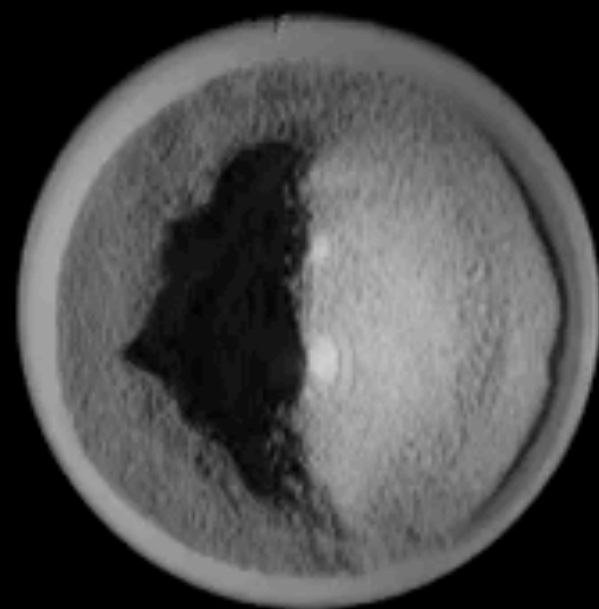
```
#include <Servo.h>
Servo servo1;
Servo servo2;
const int distanceSensor = 0;

void setup() {
  Serial.begin(9600);
  servo1.attach(9);
  servo2.attach(10);
}
void loop() {
  int distanceValue;
  int servoposition1;
  int servoposition2;
  distanceValue = analogRead(distanceSensor);
  servoposition1 = map(distanceValue, 520, 40, 0, 180);
  servoposition1 = constrain(servoposition1, 0, 180);
  servo1.write(servoposition1);
  servoposition2 = map(distanceValue, 40, 520, 0, 180);
  servoposition2 = constrain(servoposition2, 0, 180);
  servo2.write(servoposition2);

  Serial.print("sensorvalue");
  Serial.print(distanceValue);
  Serial.print("servo1");
  Serial.print(servoposition1);
  Serial.print("servo2");
  Serial.println(servoposition2);
  delay(200);
}
```





Visualisations

