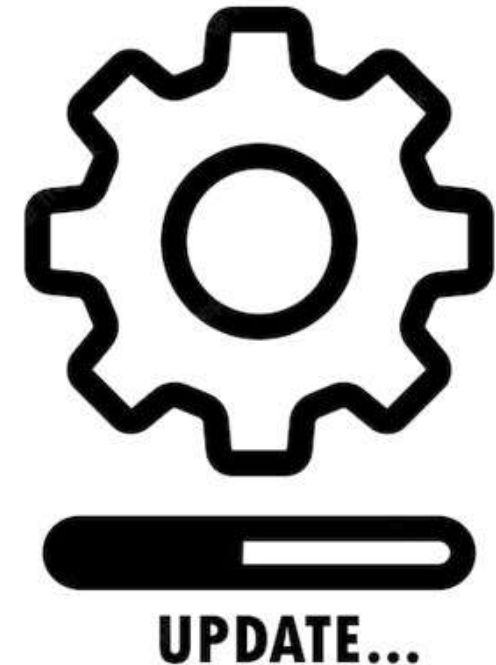


Yogurt machine



Updates

- Choice of materials
- Modification of the structure
- First part of the assembly
- Planning of the electric part
- Creation of the website



<https://qrco.de/bctadL>



Components

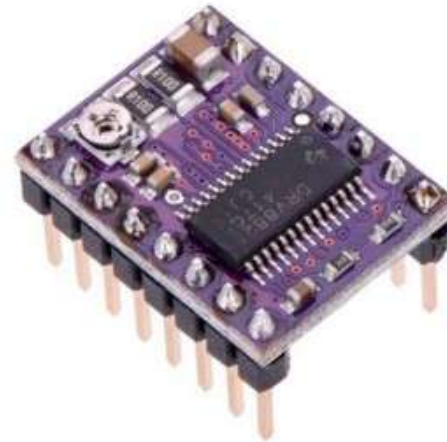
- 2 x Stepper motor NEMA 17
- 1x Pump
- 4x Slide
- 4x Guide supports
- 2x Timing pulley+ timing belt
- 1x Dispenser
- 2x Chrome bar



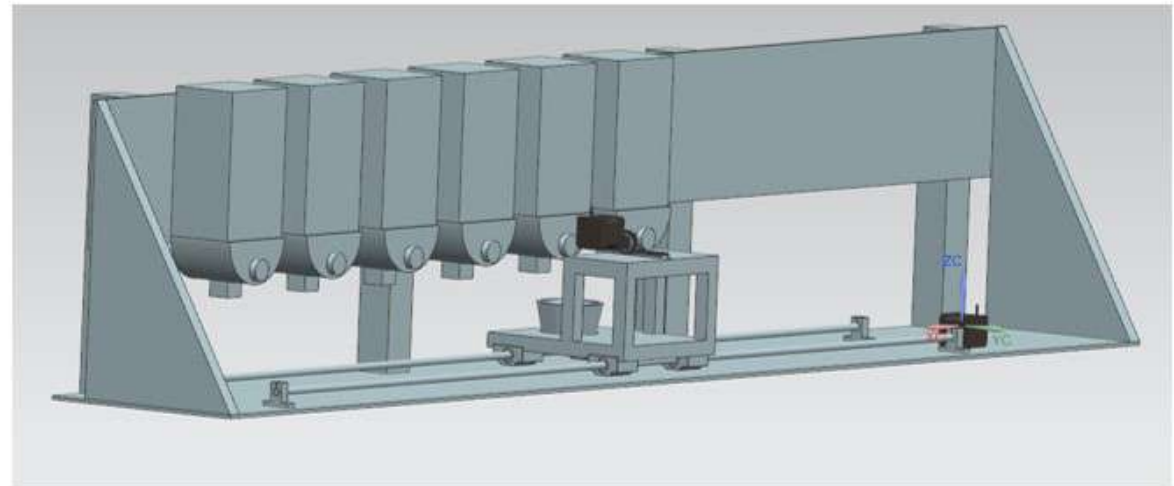
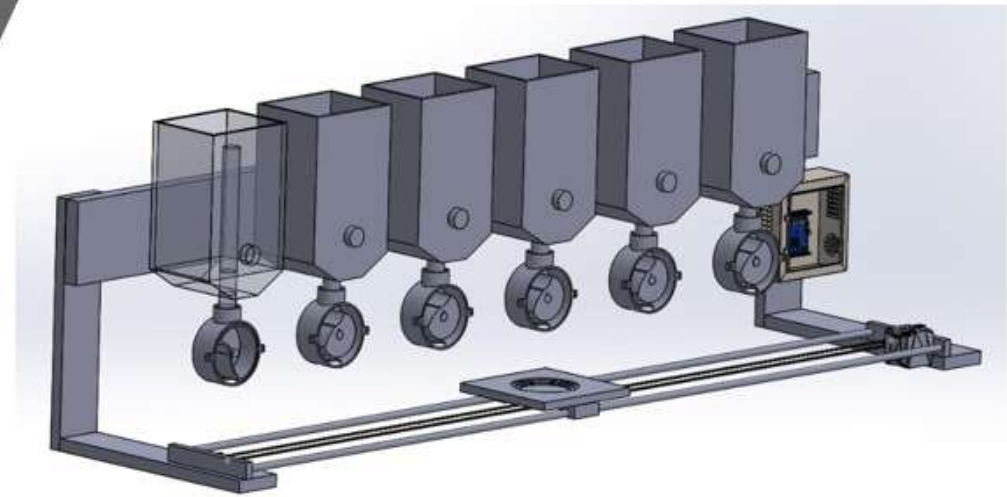


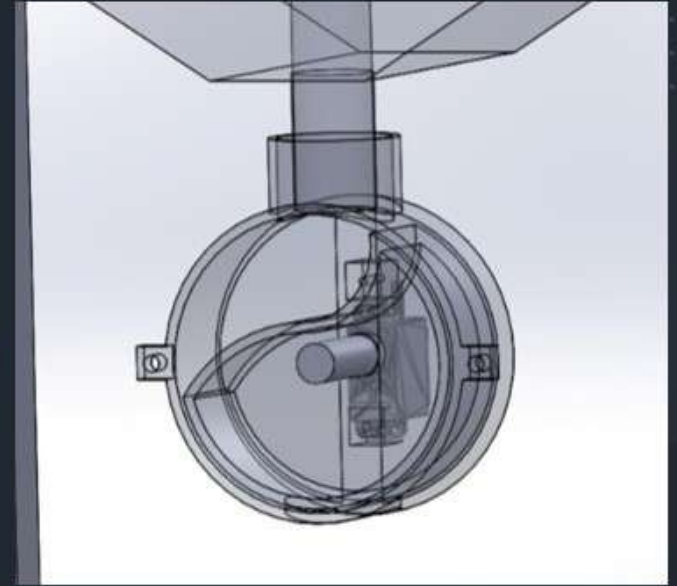
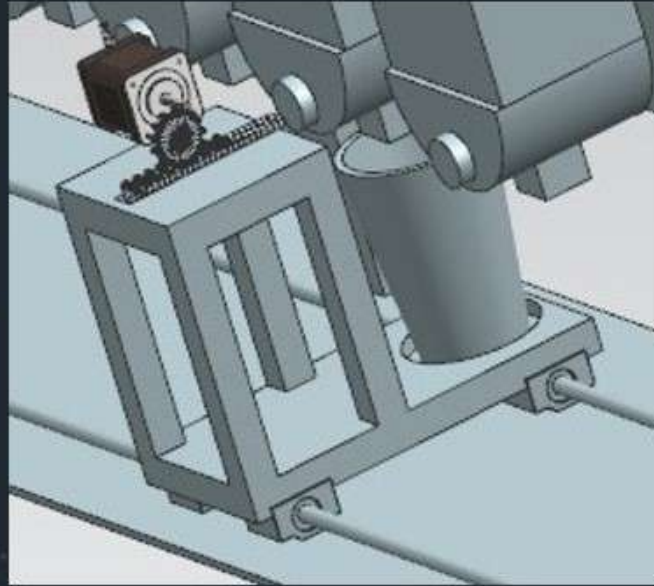
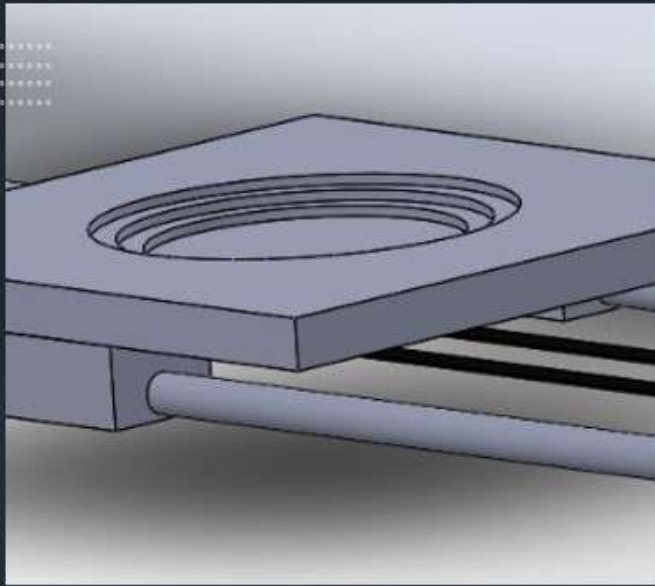
Components

- 2x Driver DRV8825
- 1x ESP32
- 2x DC-DC converter
- 1x Arduino MEGA
- 1x Power supply 12V - 5A
- 1x Protoboard



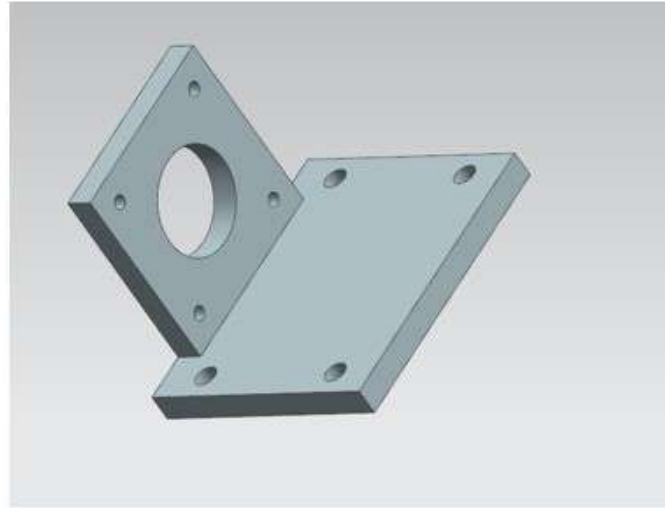
Mechanical Changes





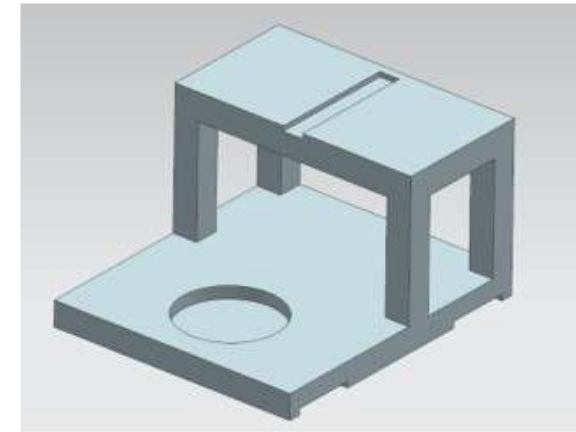
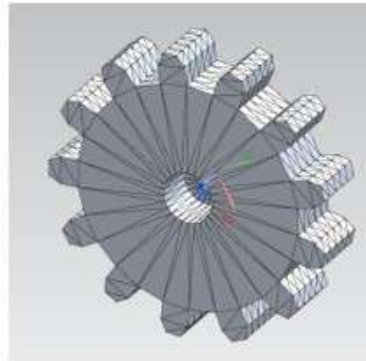
Changes

- Modifications of the structure for regulation the toppings.
- Utilization of 2 stepper motors instead of 6 servos.
- Changes in the platform.

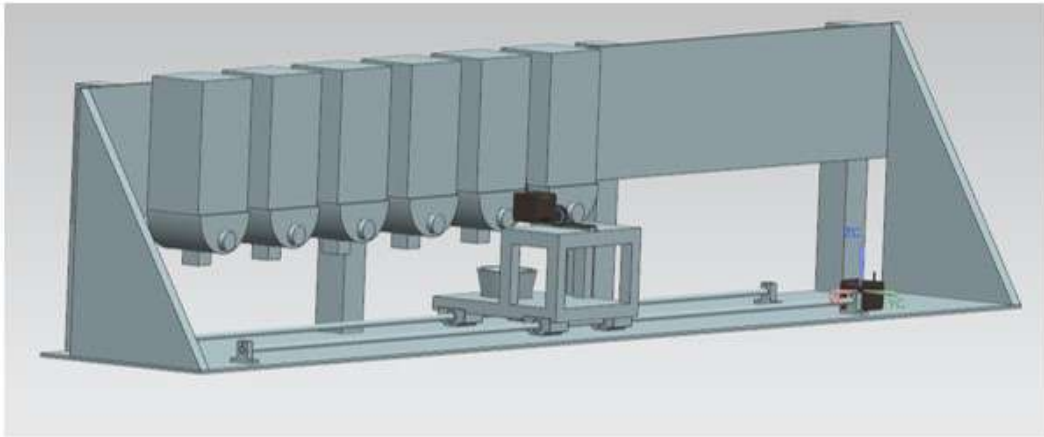


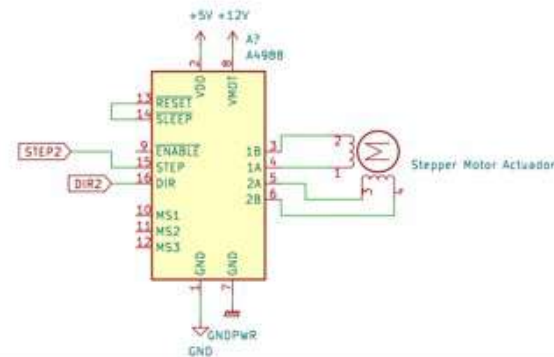
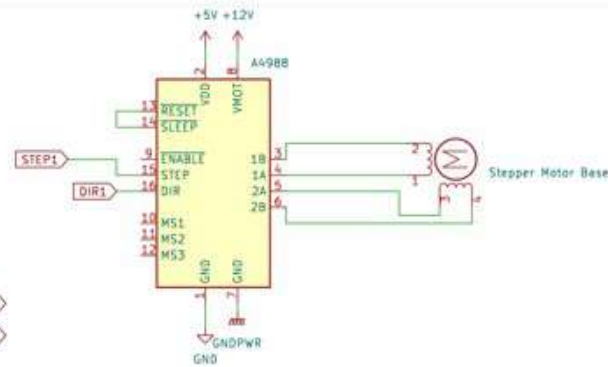
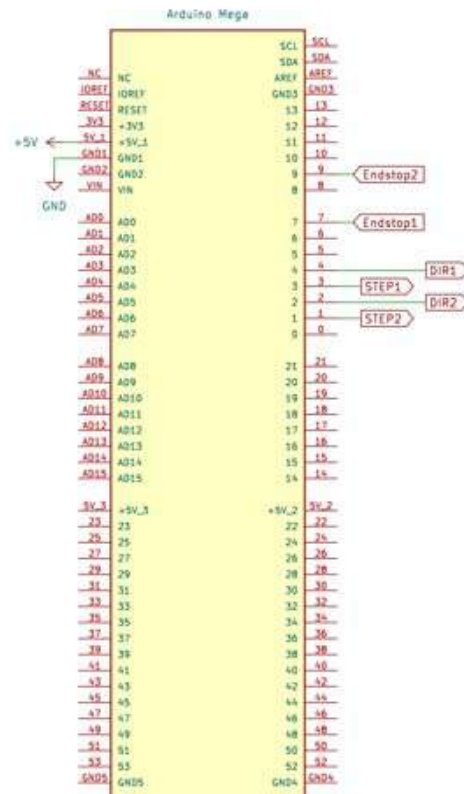
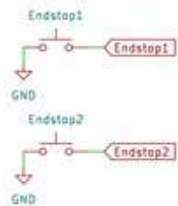
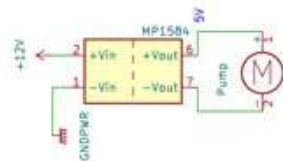
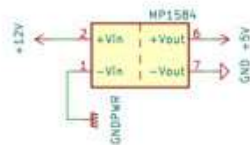
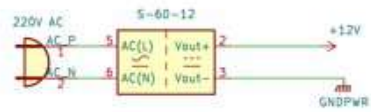
Our pieces

- Support of dispenser
- Support of motor
- Gear rack
- Transport structure



3D vs Real prototype





SCAN ME
<https://qrco.de/bctaCR>

Electronic part





Time work

Jordi G - 47h

Denise B - 48,30h

Ignasi C - 45,30h

Enric D - 49,30h



Github

14 To do + ...

List of borrowed material. ...
11 tasks
#3 opened by moises-garin
Teacher communication

List of materials to buy 2 ...
Added by DeniseBermeoDB

Assembly (Transport line) ...
Added by DeniseBermeoDB

Assembly (Support tanks) ...

2 In progress + ...

Design the prototype ...
Added by DeniseBermeoDB

Print 3d parts ...
Added by DeniseBermeoDB

9 Done + ...

Electrical schematic ...
Added by DeniseBermeoDB

Assembly (Base) ...
Added by DeniseBermeoDB

Presentation and report 1 ...
Added by DeniseBermeoDB

List of materials to buy 1 ...
Added by DeniseBermeoDB

Any questions?

