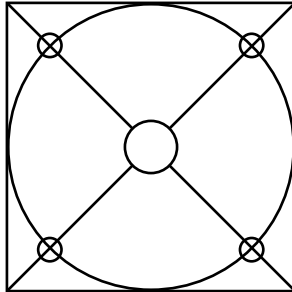


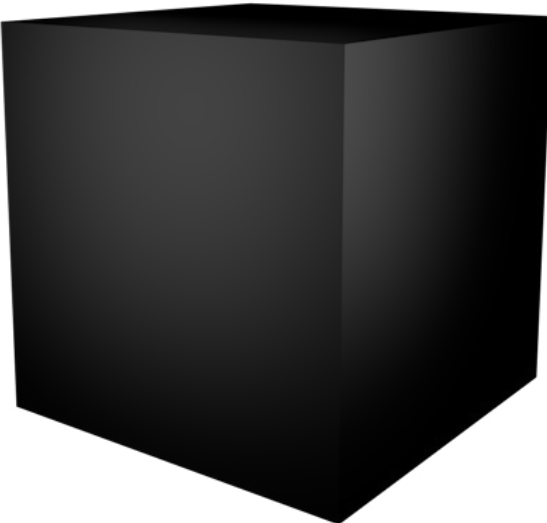
Cube

of



Space

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“The Cube of Space is a psychological map that requires us to think psychologically and symbolically about the organization of our own experience”

TABLE OF CONTENT_

- Introduction
- Concept
- Process
- Outcome

INTRODUCTION_

We were asked by a L'ale, a organisation that creates exhibitions and events, to host a project at the Noorderlicht. One of the organisers Alwin Beumer who was focusing on the exhibition, approached us with the question if we were interested in giving a audio visual performance. After having a quick look at the building of Noorderlicht we came to a fast conclusion that a installation was more suitable within the space of Noorderlicht. Already having some interests and a background in creating spacial installations, it was not a hard choice to make.

Joost Dankelman - *product designer*, Vito Willems - *Sound Designer/Engineer* and Jim Brady - *Communication Designer* took this opportunity to work together and combine forces to make this decision a logical one.

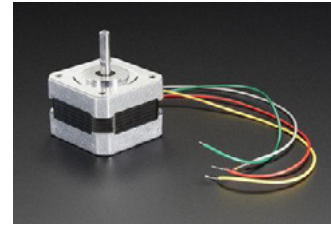
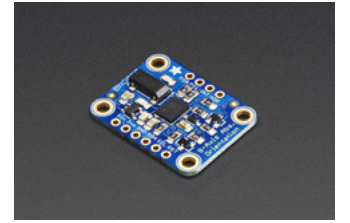
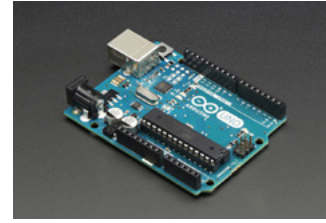
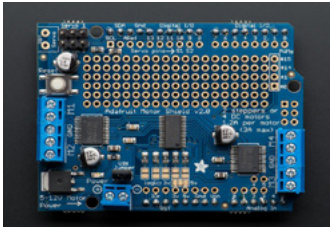
CONCEPT_

The Cube of Space explores the physiological and perceptual effect of space, light and sound. A multi-dimensional installation that focuses on the organisation of our own experience.

By bringing these elements together we tend to play with the visitors consciousness of the inner and outer space of the installation. We defined the inner play into three flows of energy: the Maximum, the one that mediates between and the Minimum flow of energy. The outer space is the reflection of the movements and input from the inner space. Through a more atmosphere use of visual elements we try to mimic the play from the inner space.

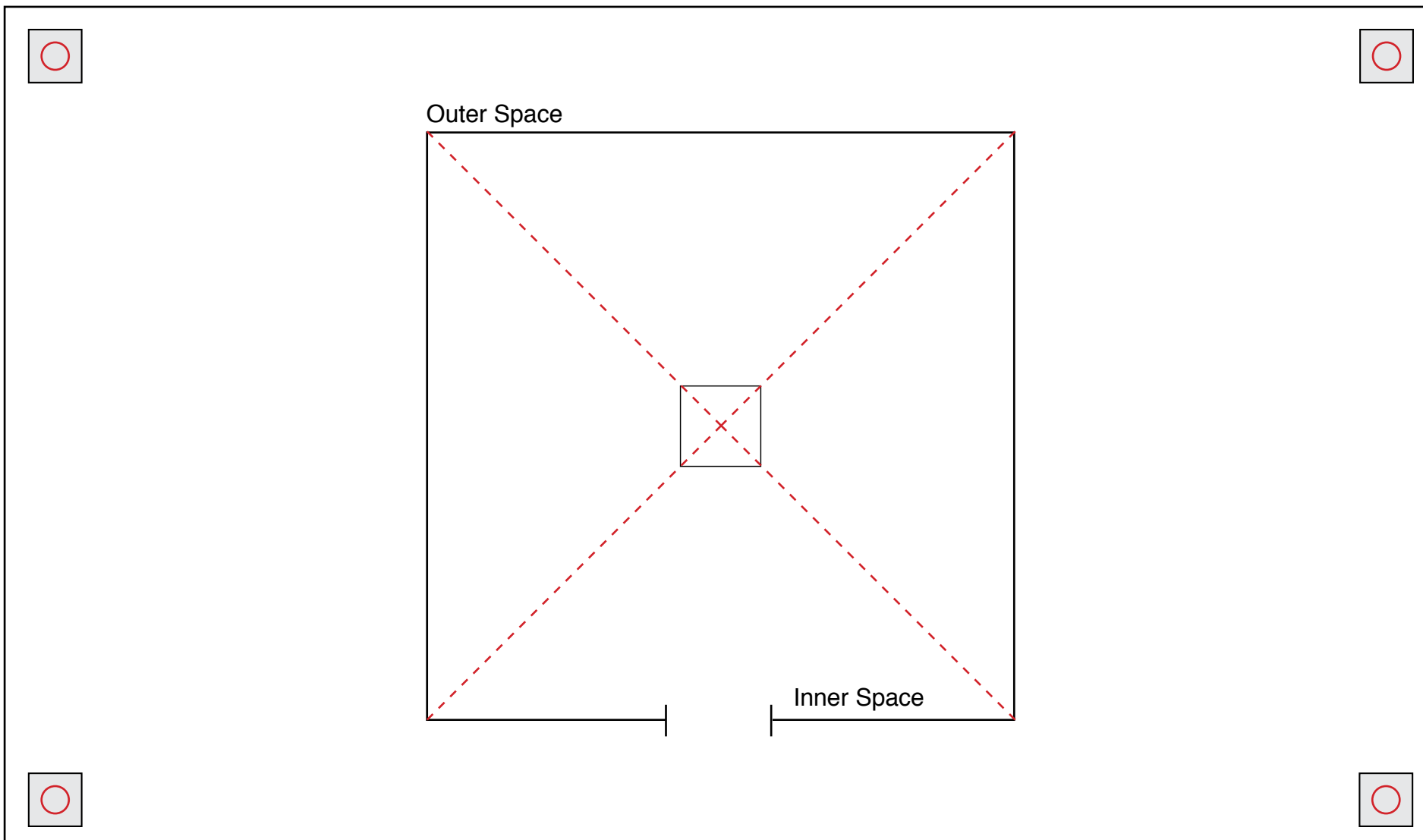
List of tools

Arduino - 3 // Laser&Orientation // Steppermotors // Lightbulbs
Lasers - Line laser diode 5mW
Absolute orientation sensor - BNO 055
Steppermotor 4x nema 17
Lightbulbs LED 4x
Quad light dimmer Krida
Adafruit Motor shield 2x
Lead screw moar tr8x8
Lead screw 8mm/30cm /4
Flexible koppeling stappenmotro 5x8x25mm



Legenda

Top view



Speaker



Light bulb



Laser



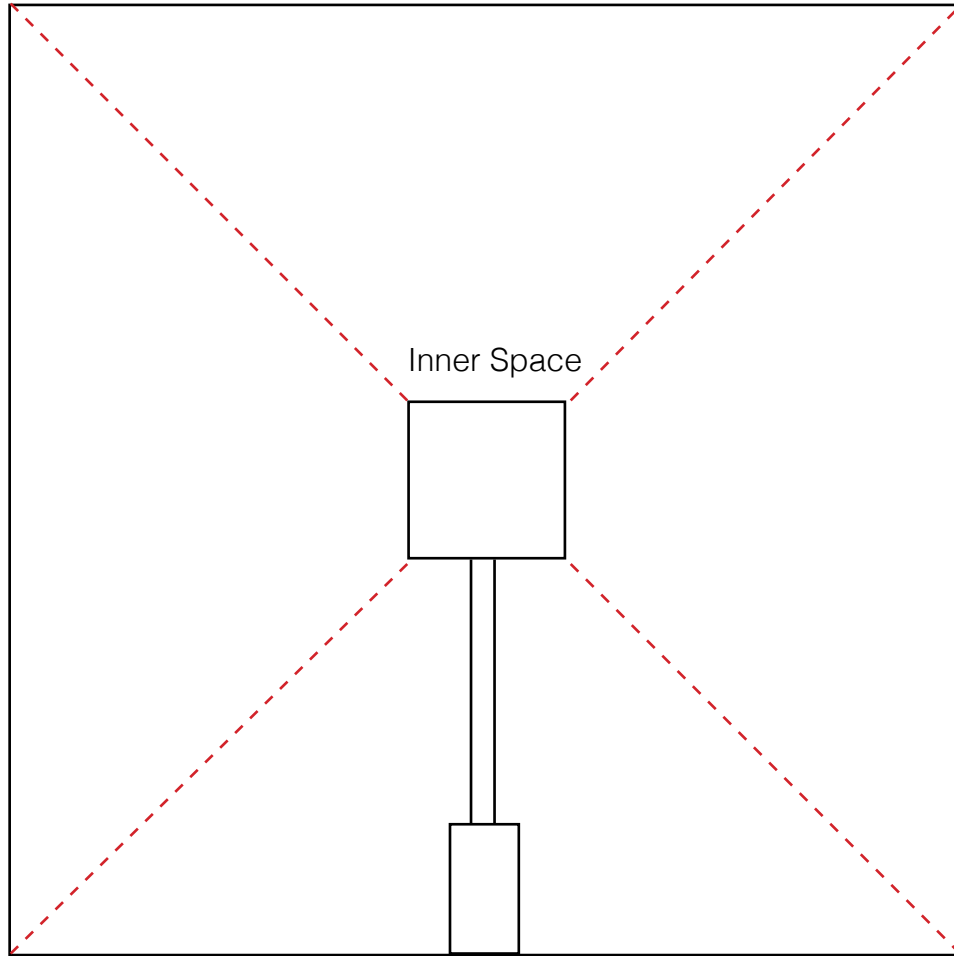
Second cube



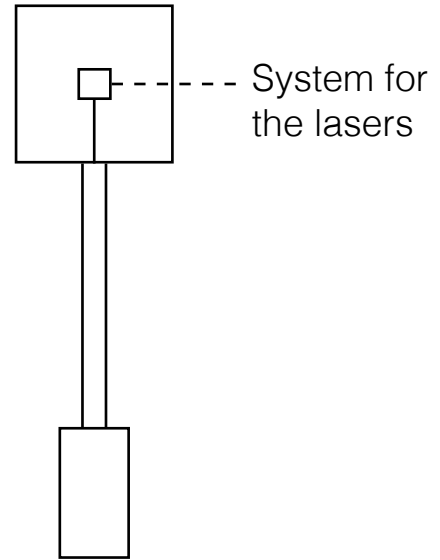
First cube

Outer Space

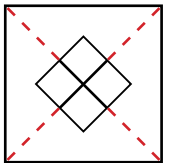
Side view



Side view



Top view



Outer Space

Inner Space

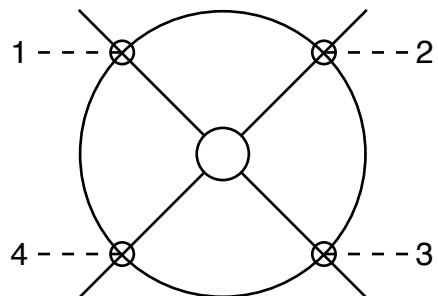


First cube

Second Cube

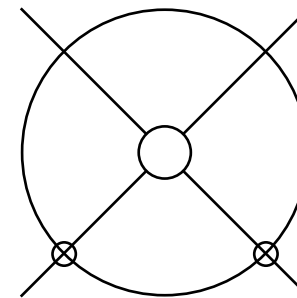
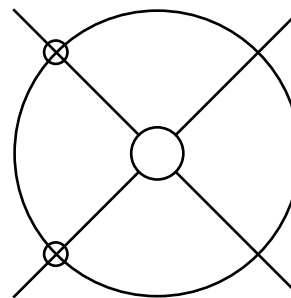
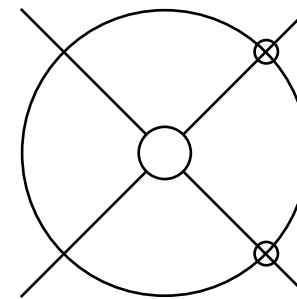
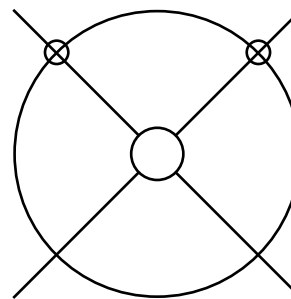
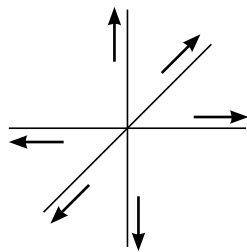


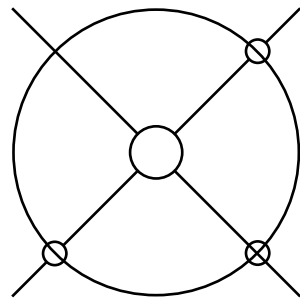
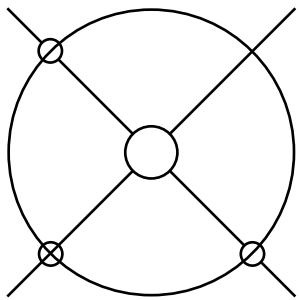
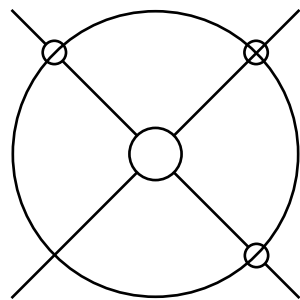
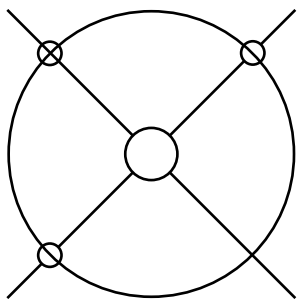
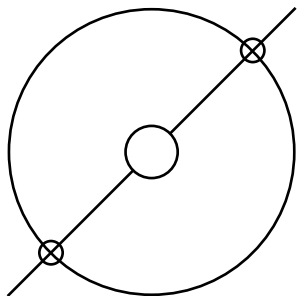
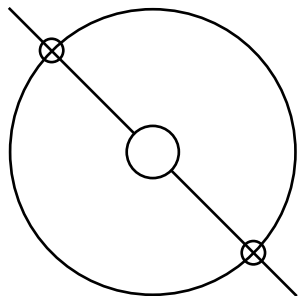
Adjacent stepper motors



Possible movements. w motor pairs 1, Adjacent motor pairs: 1&2, 2&3, 3&4, 4&1 can be moved synchronously in the same direction.

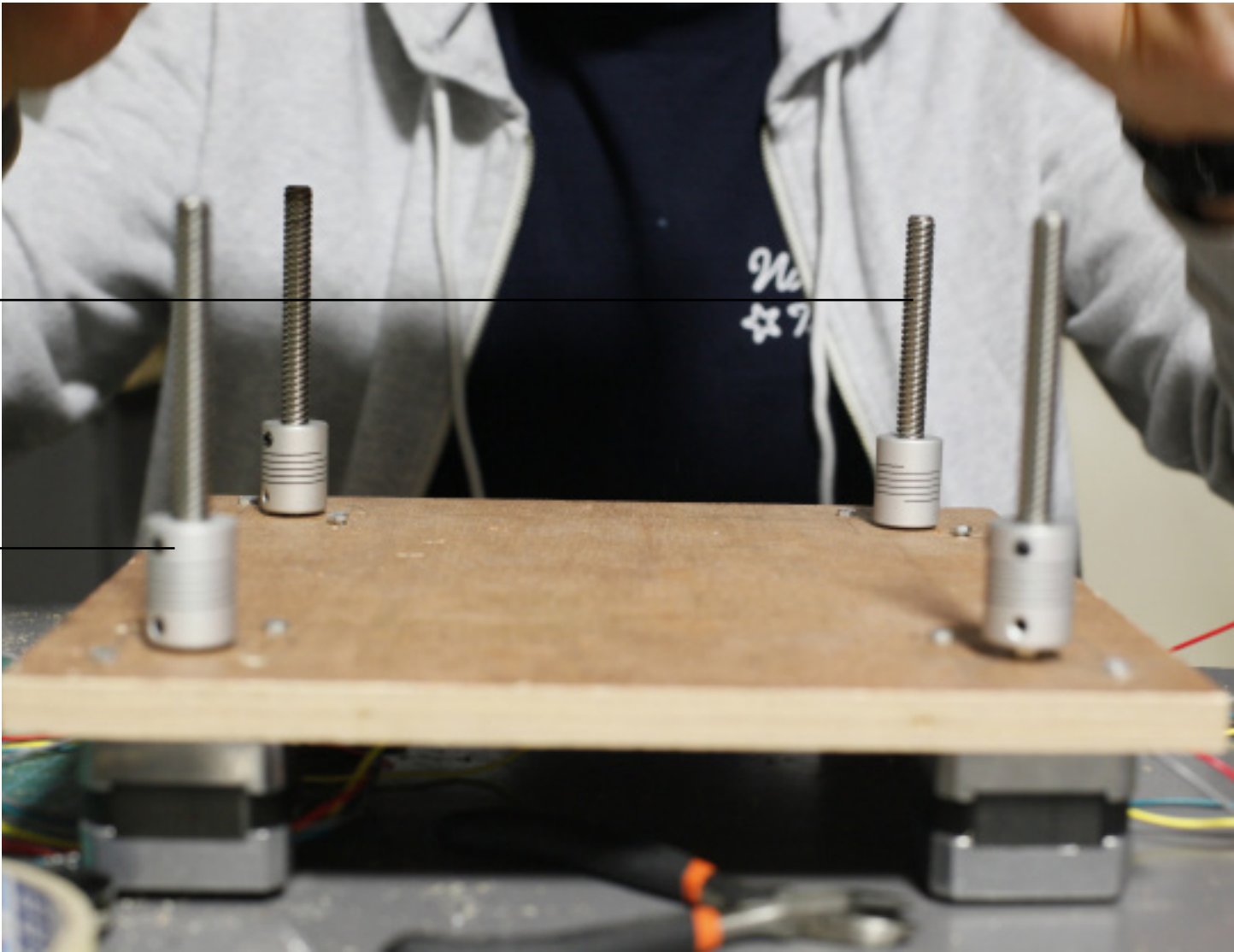
Opposite motor pairs 1&3, 2&4 can be moved synchronously in opposite directions.



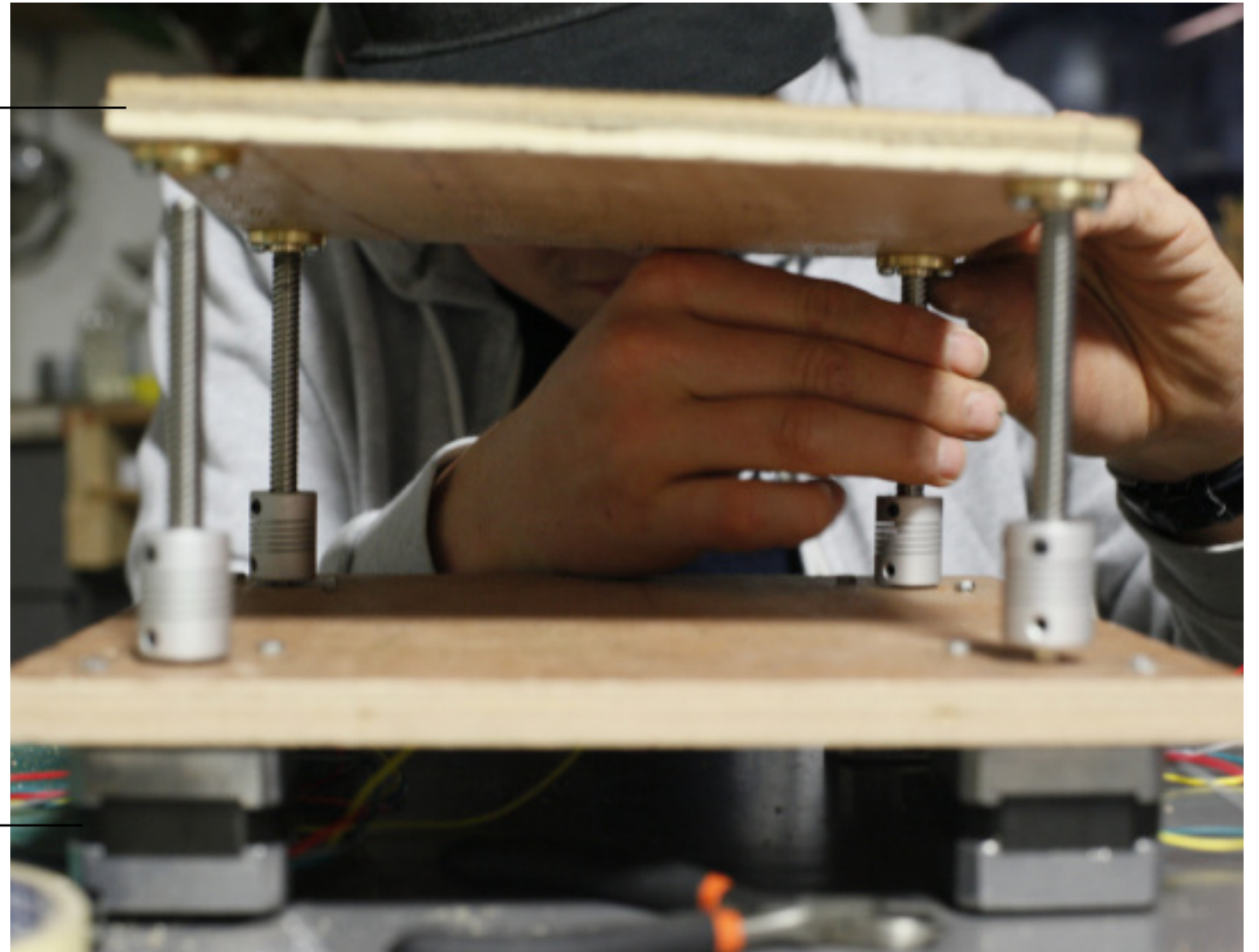


Lead screw
8mm/30cm /4

Lead screw moar
tr8x8

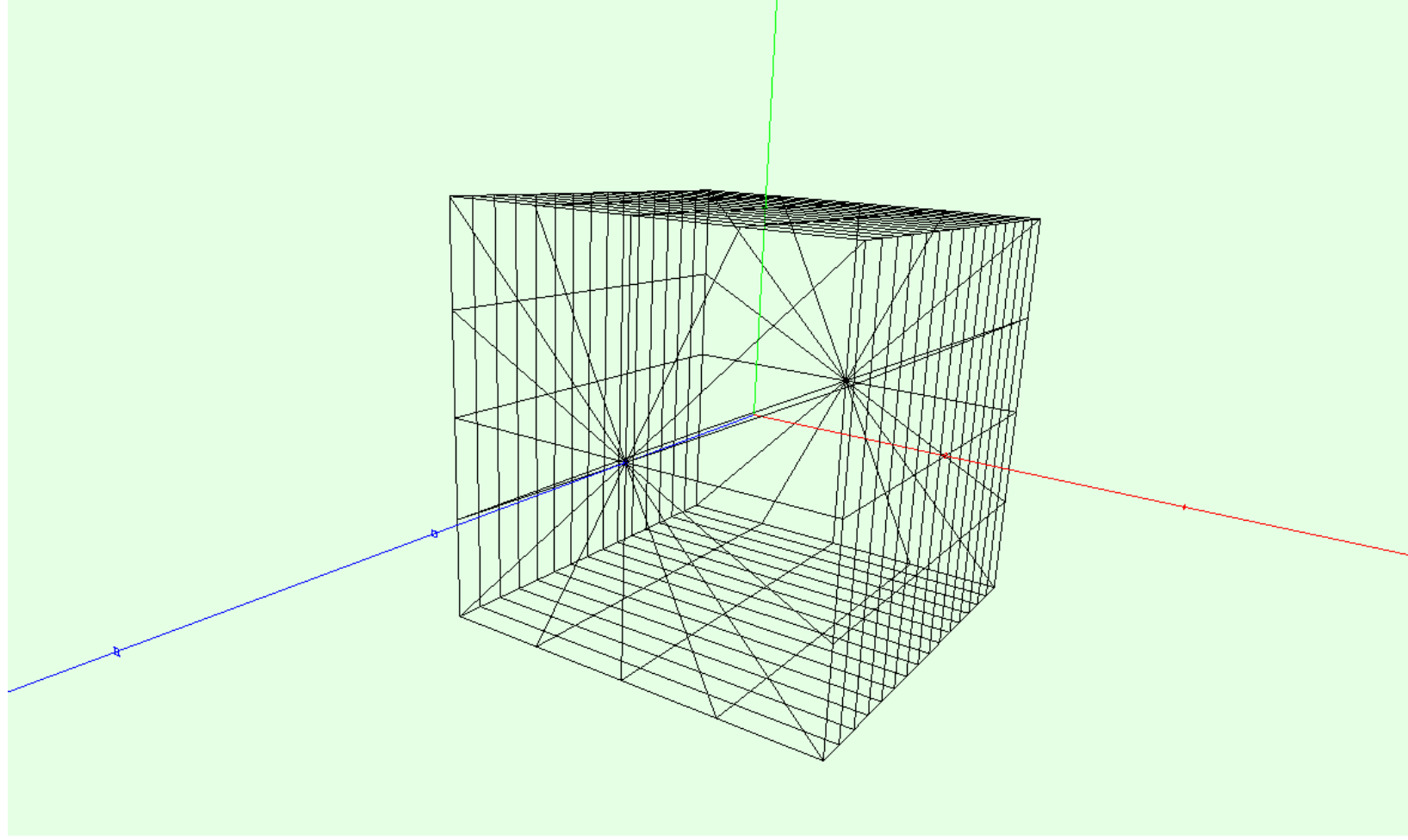


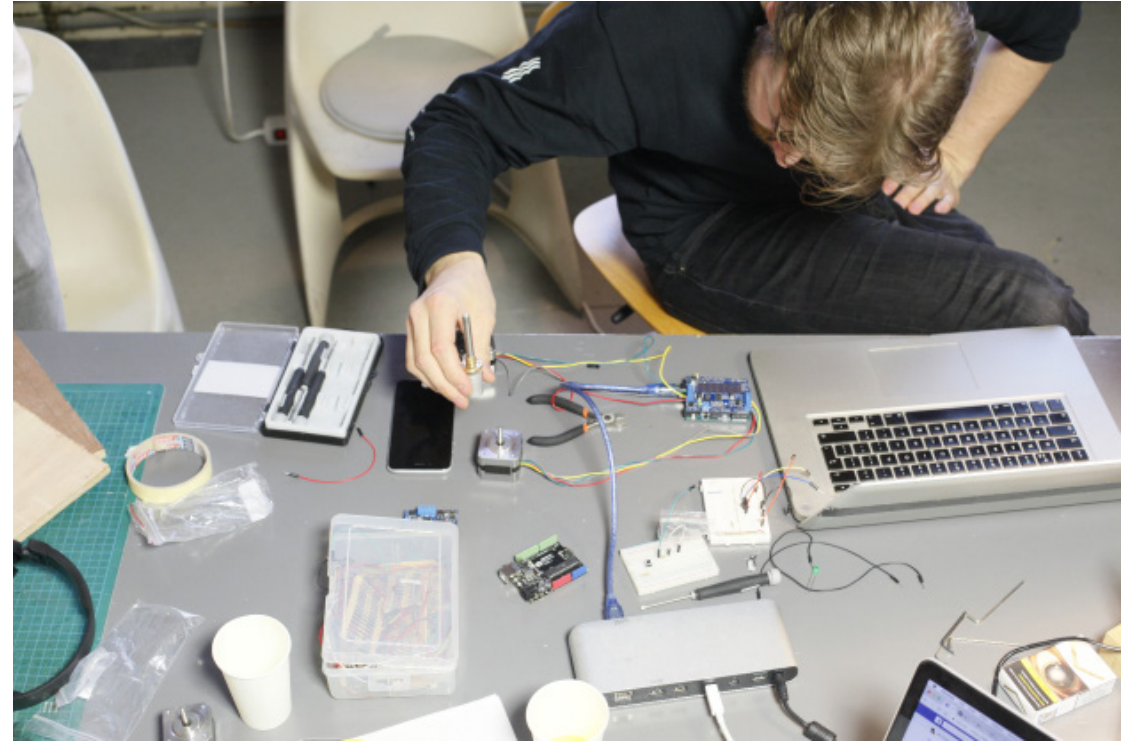
The lowest plane of
the cube that rotates

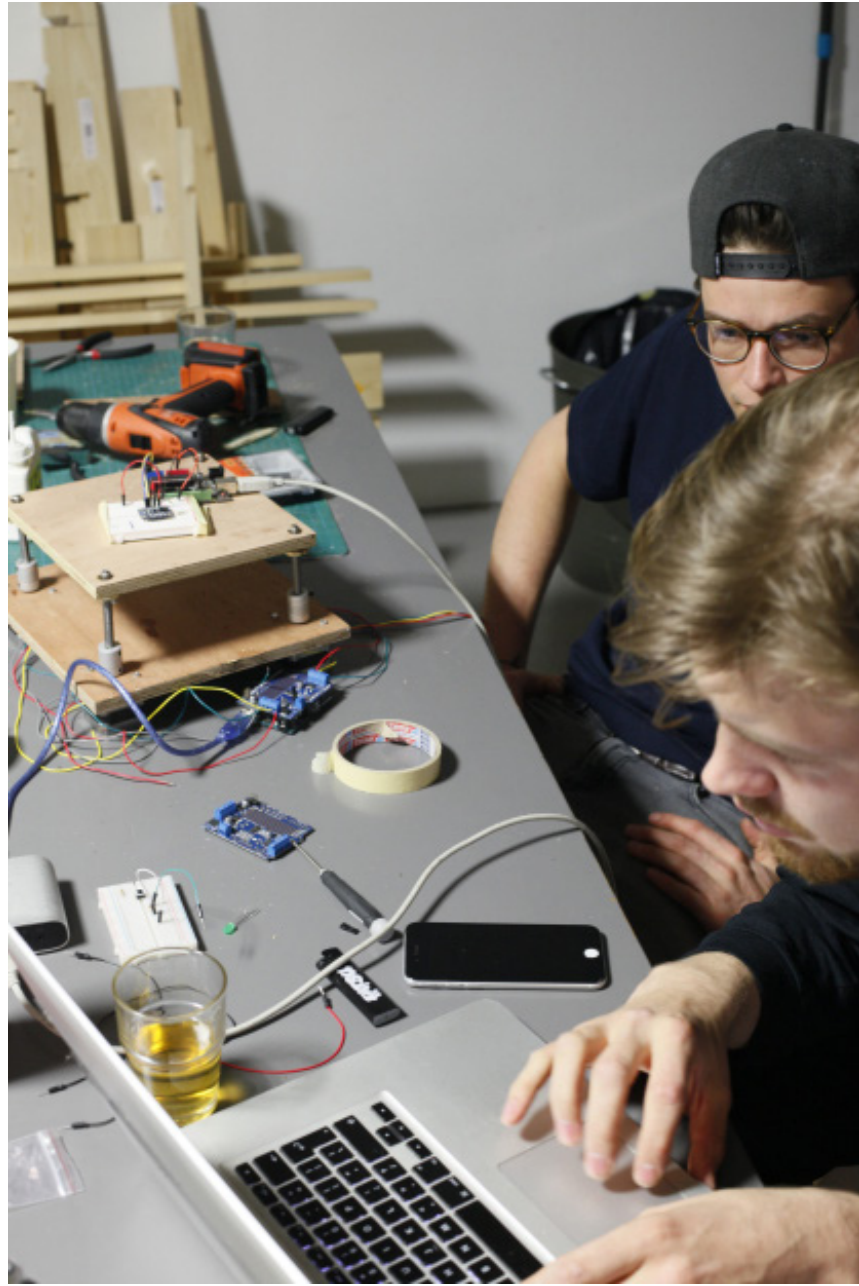


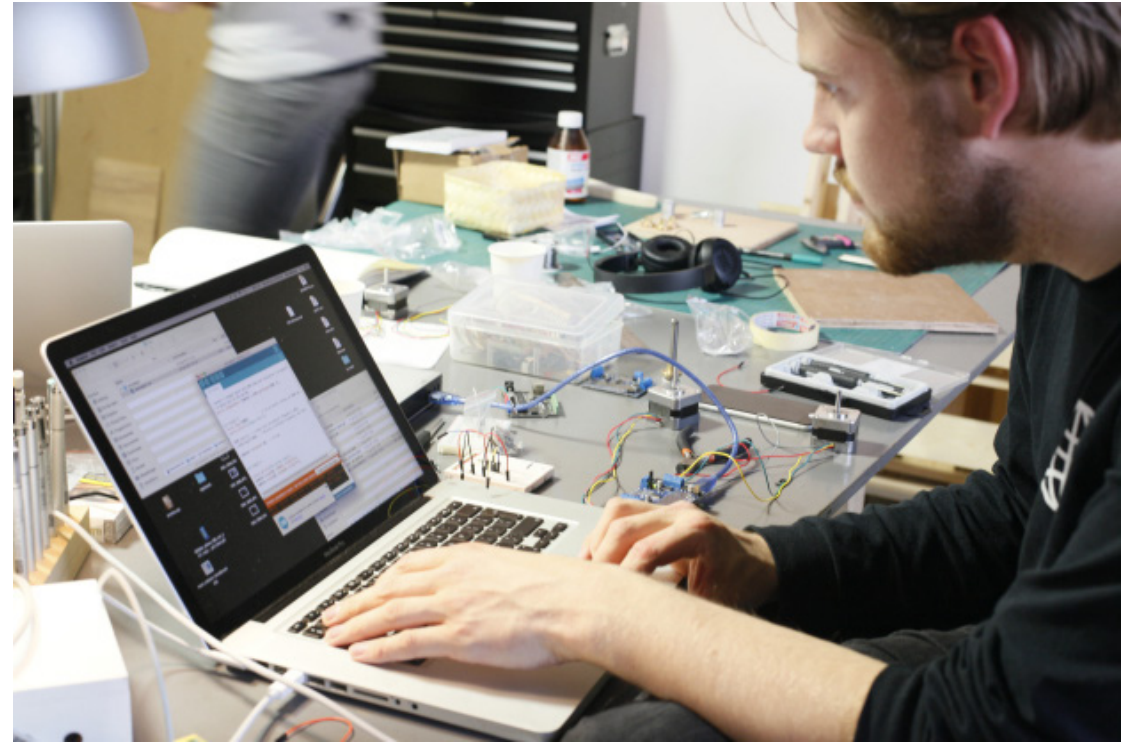
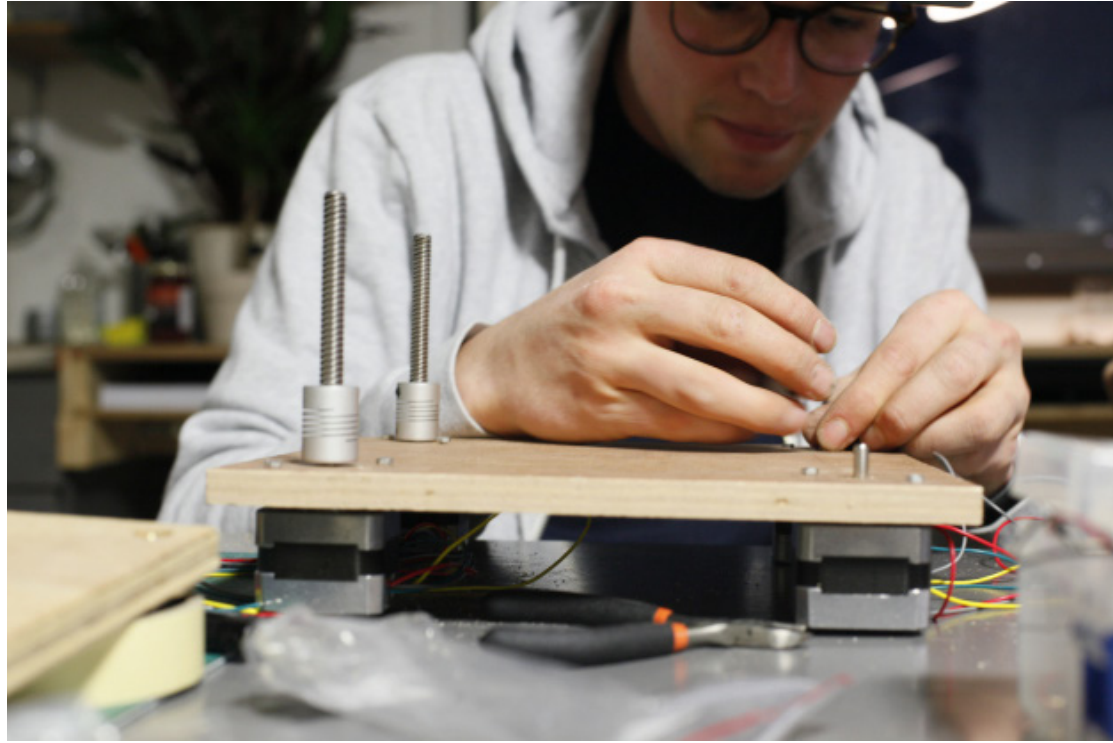
4 steppen motors

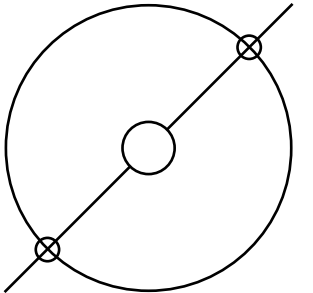
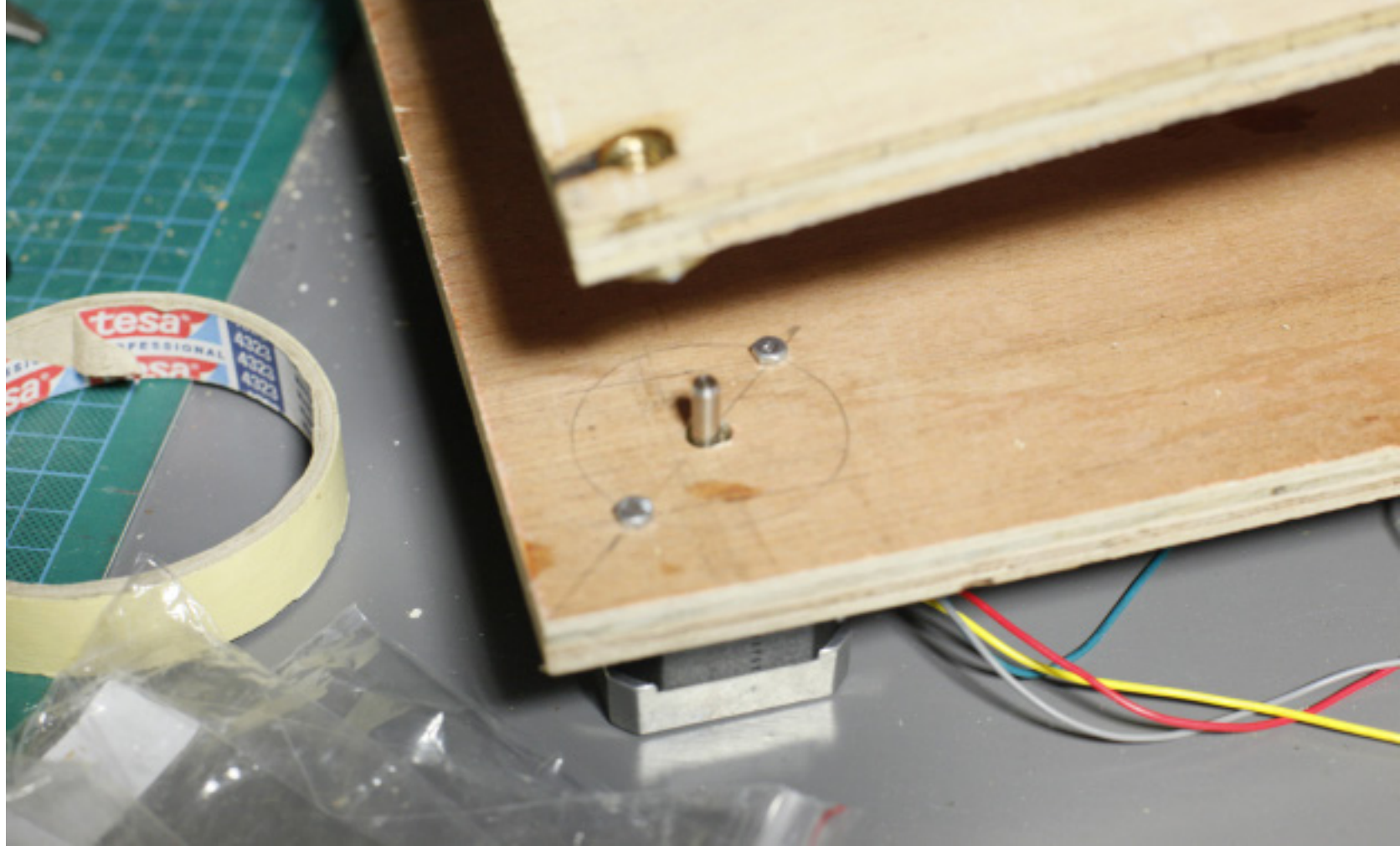
PROCESS_

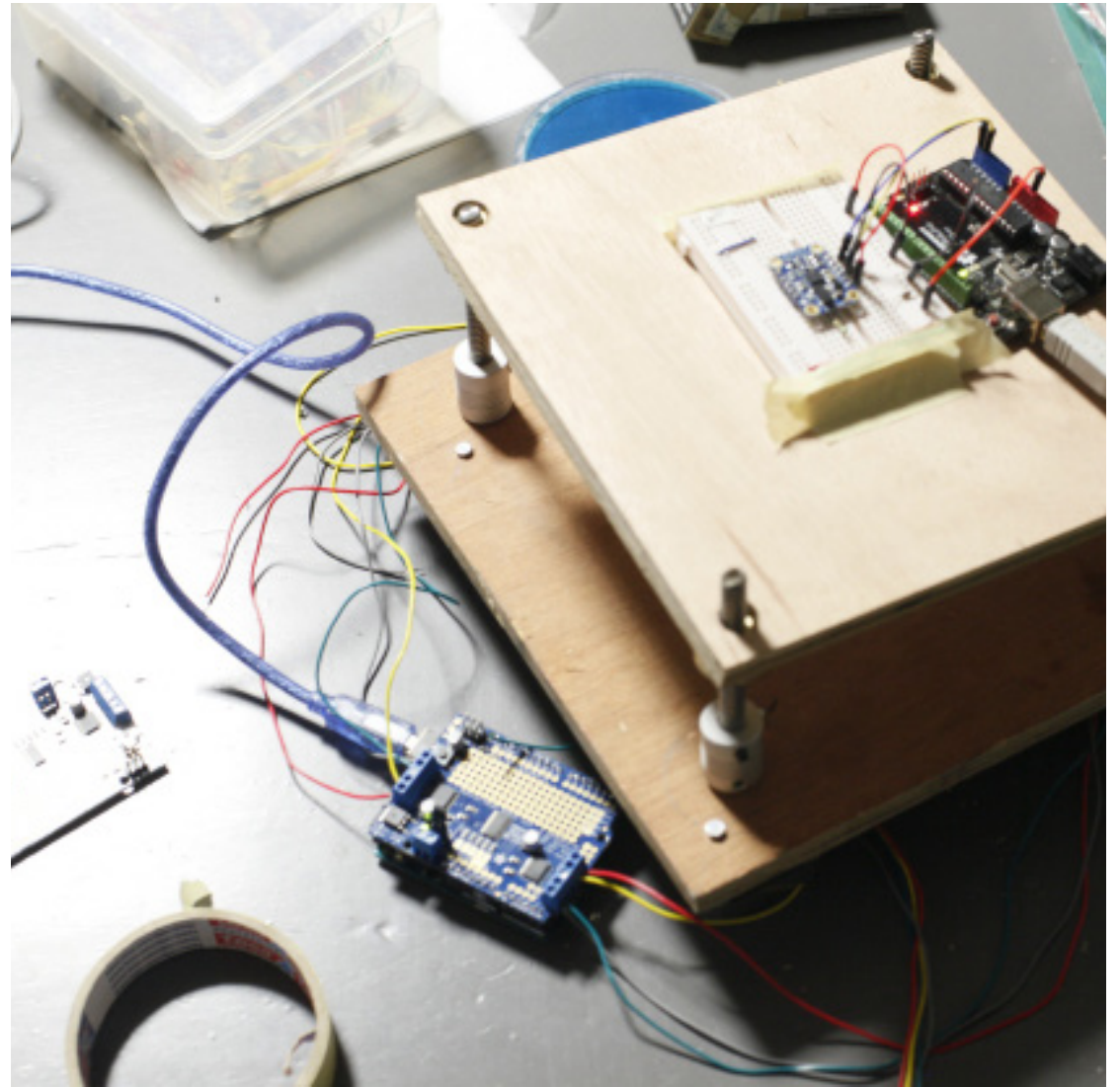
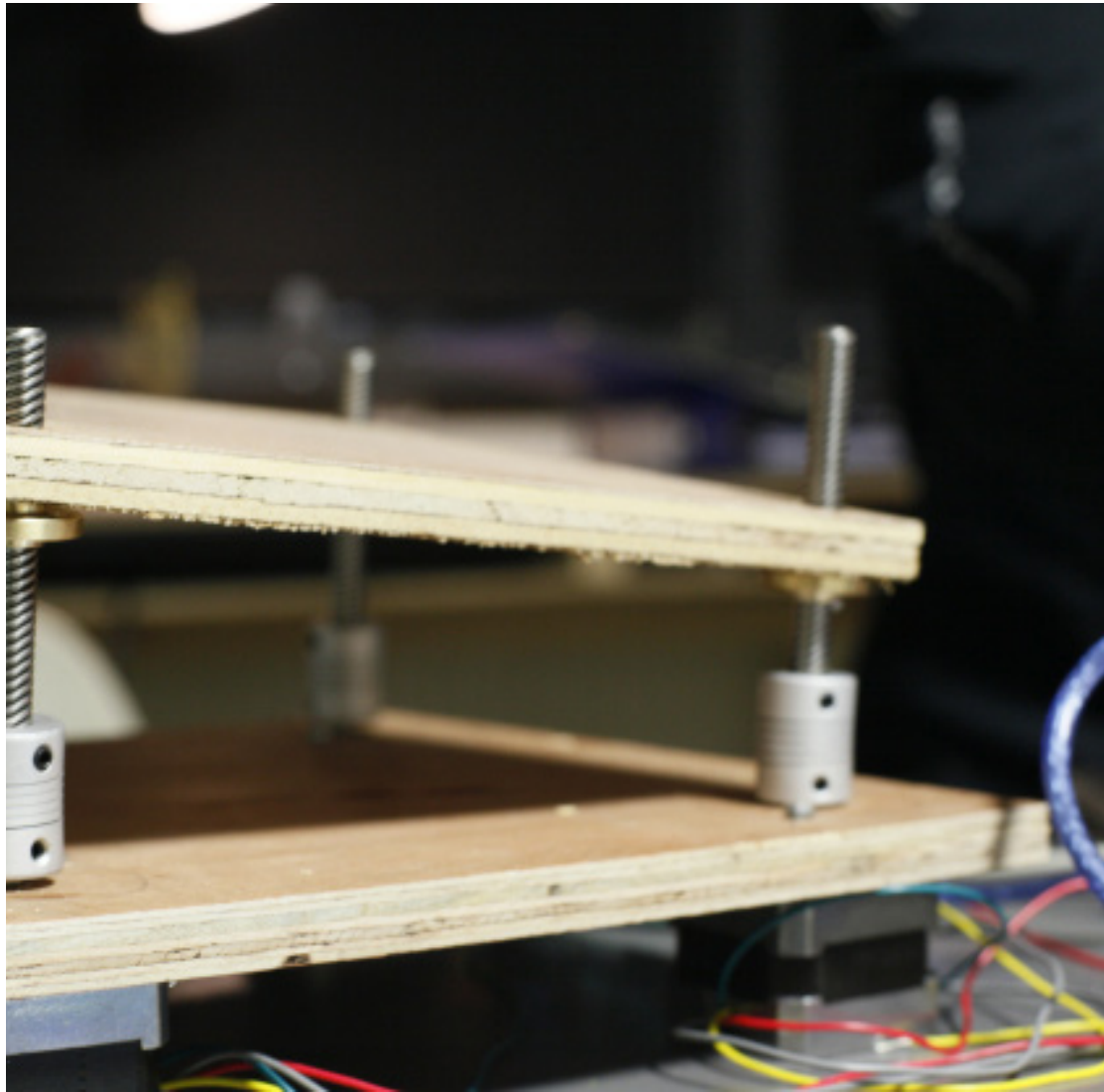


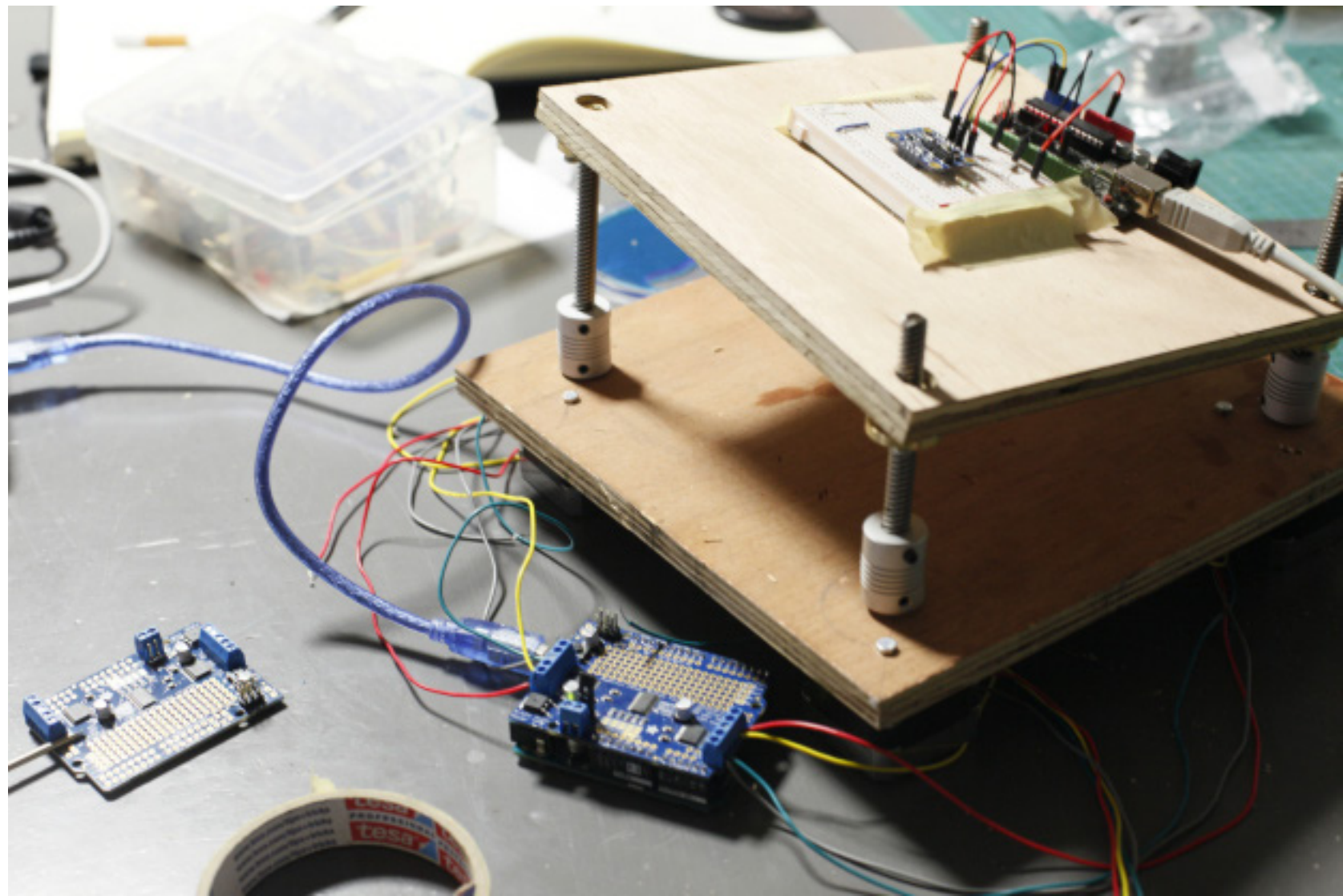


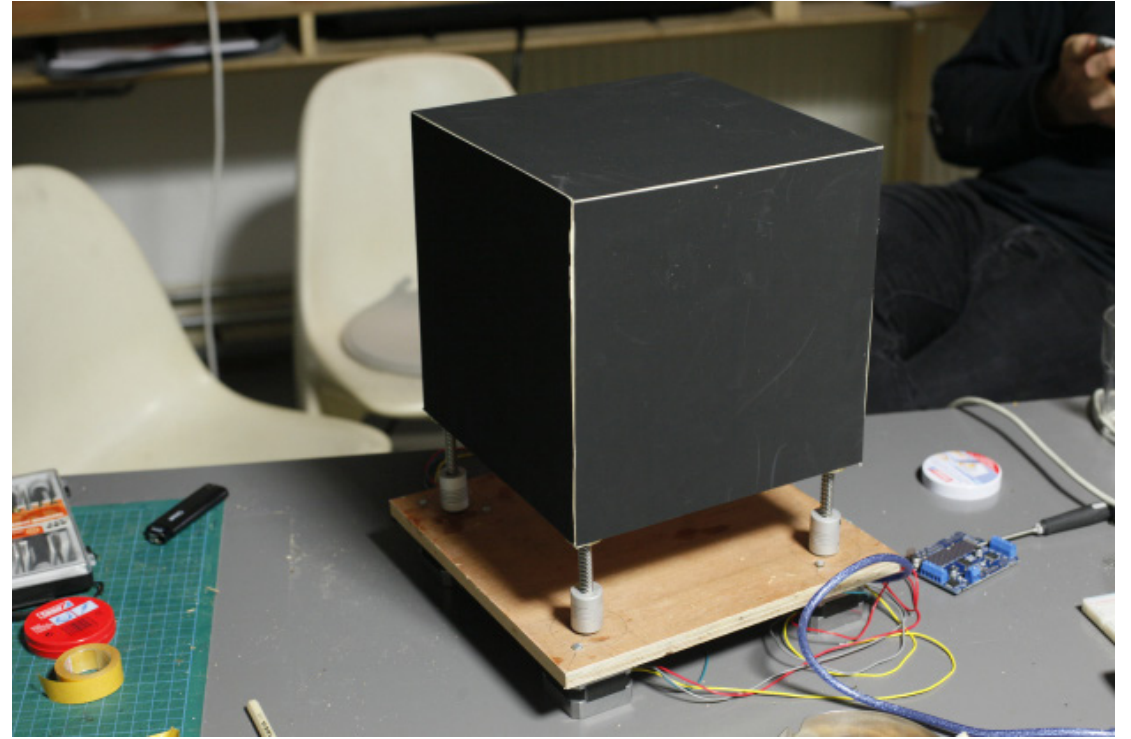
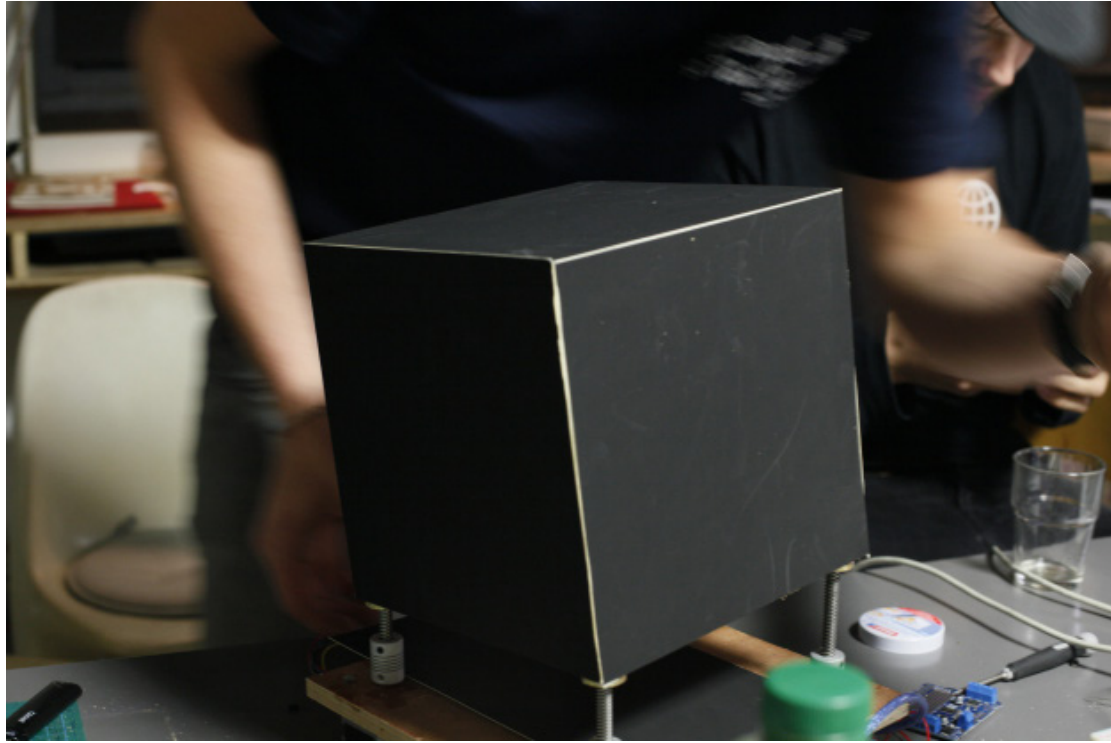


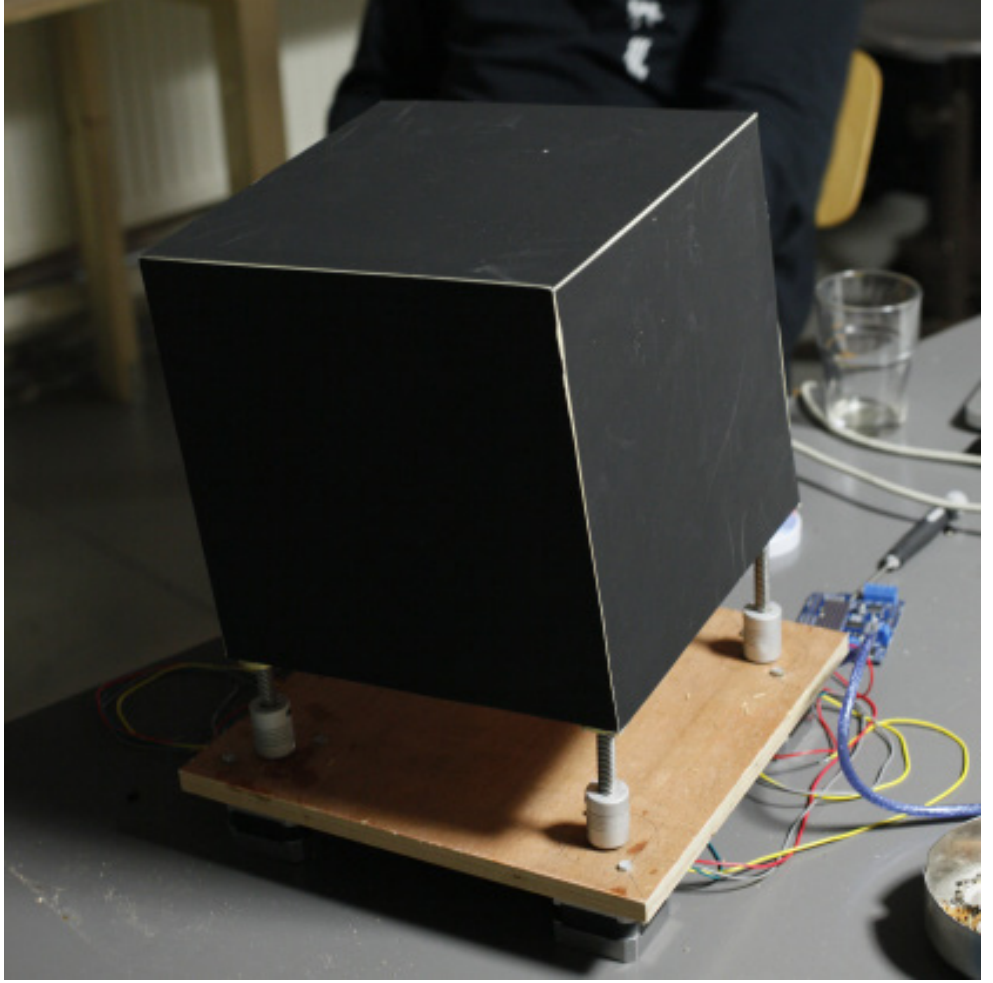






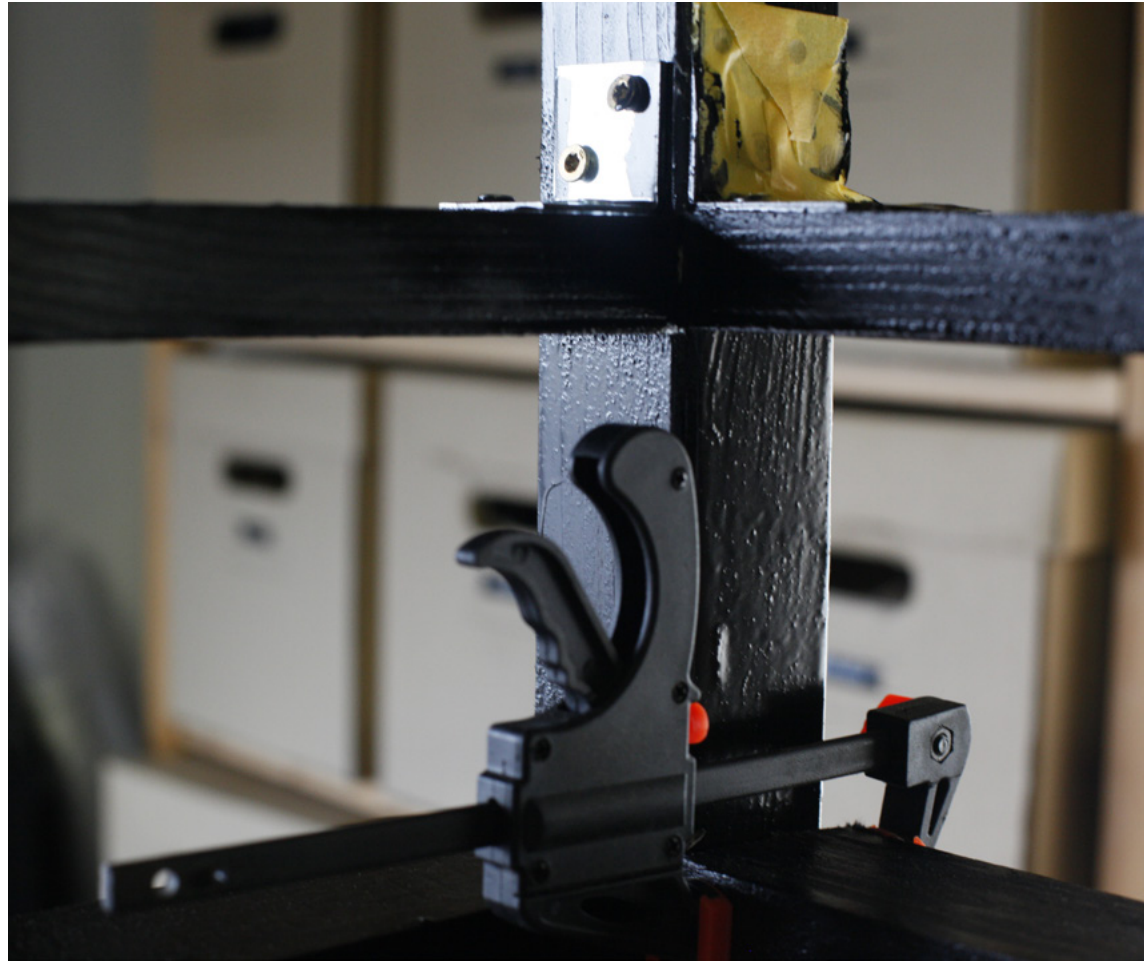




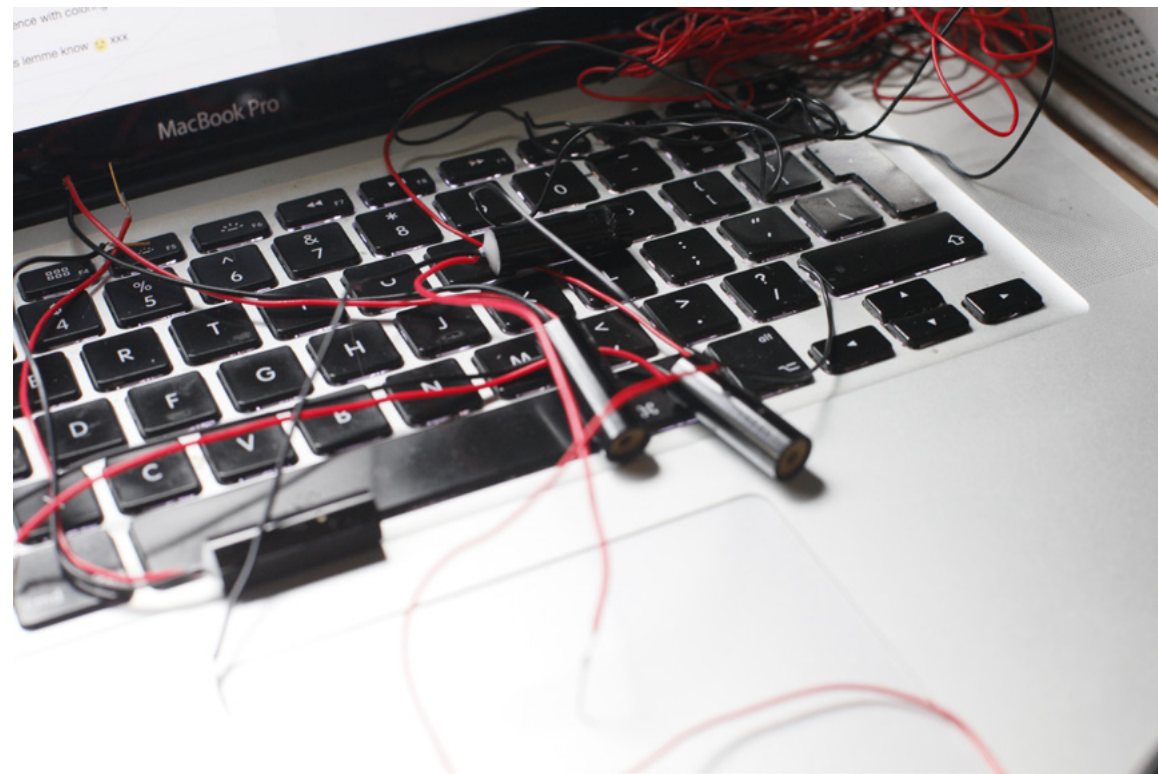


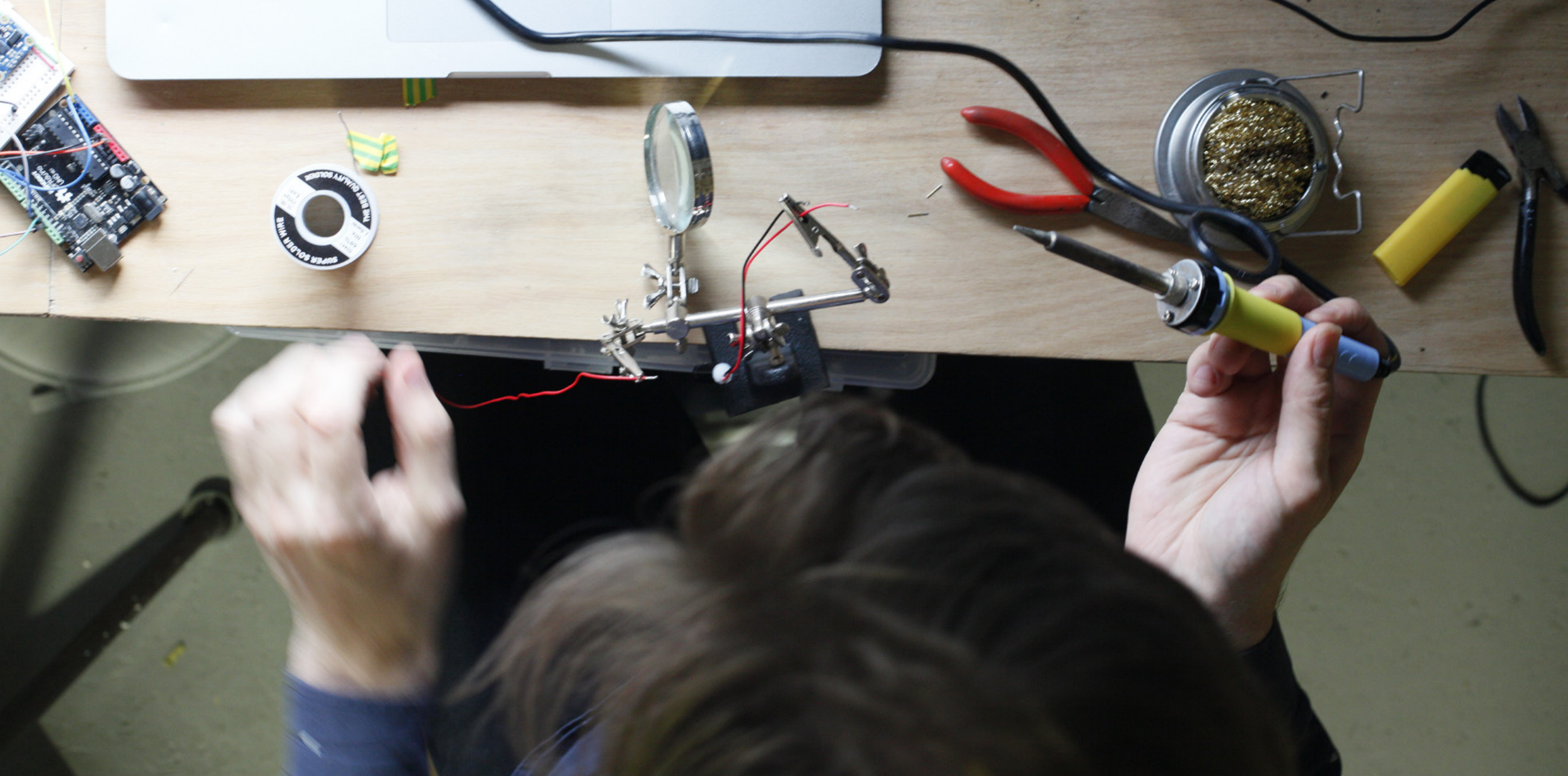


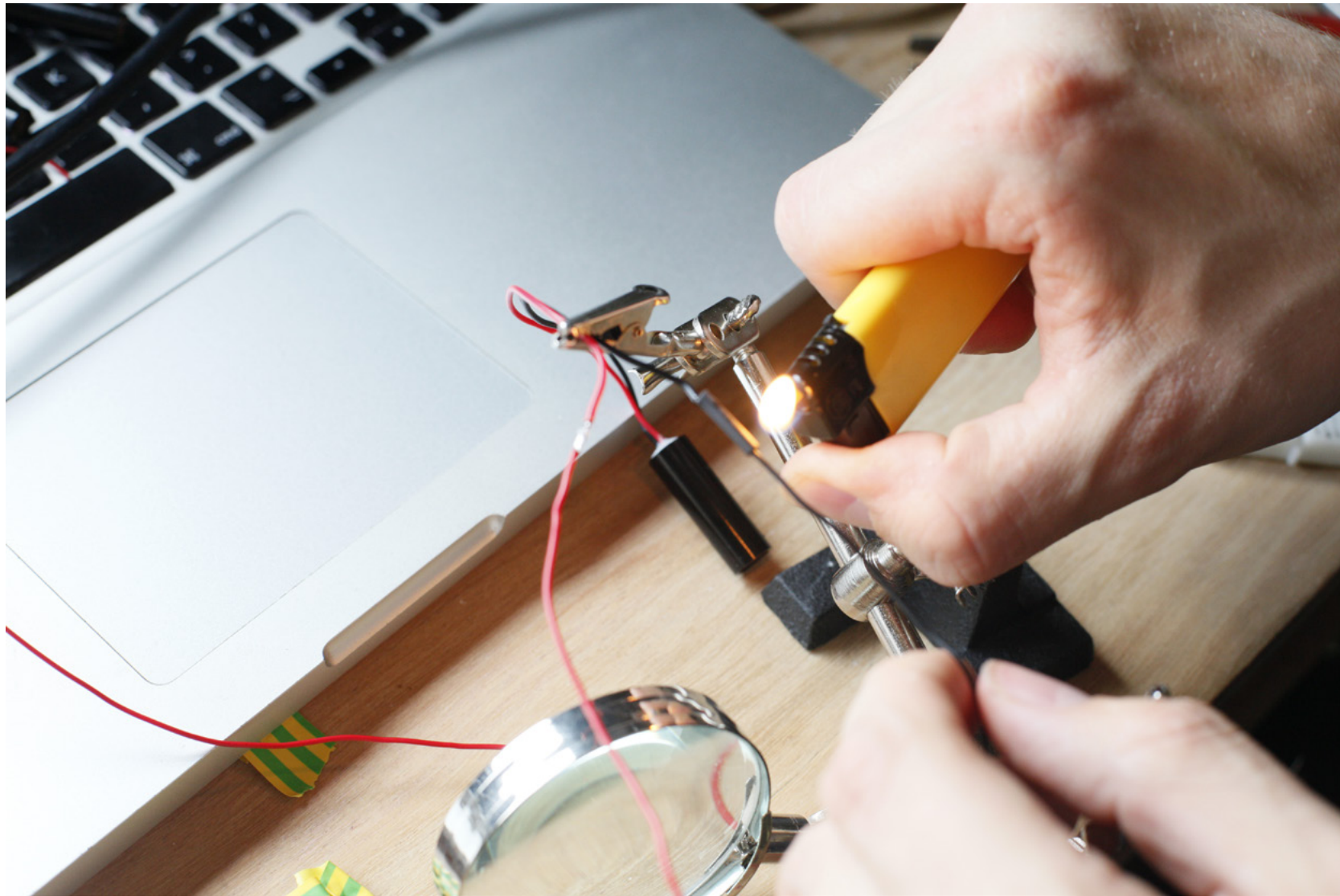


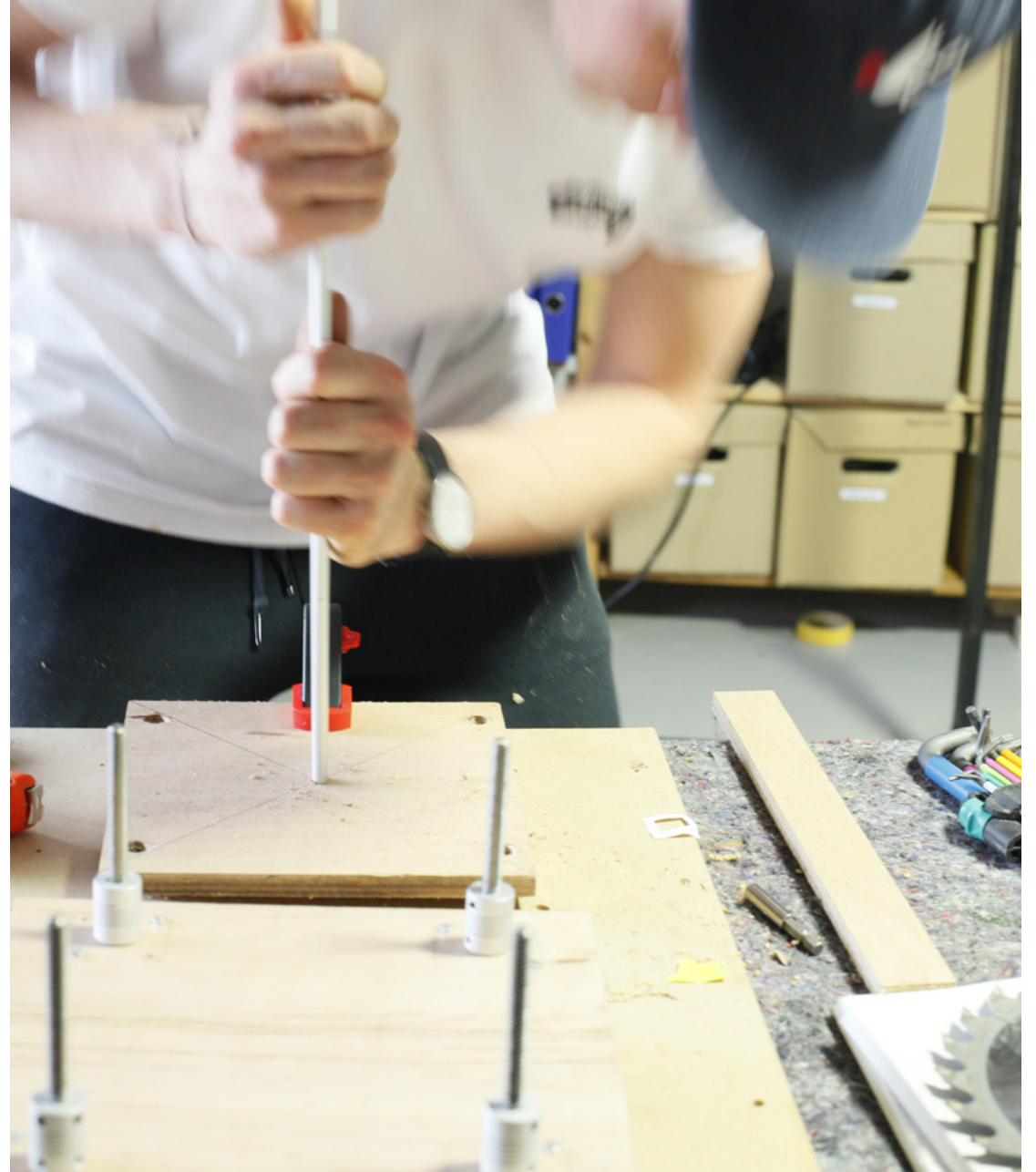




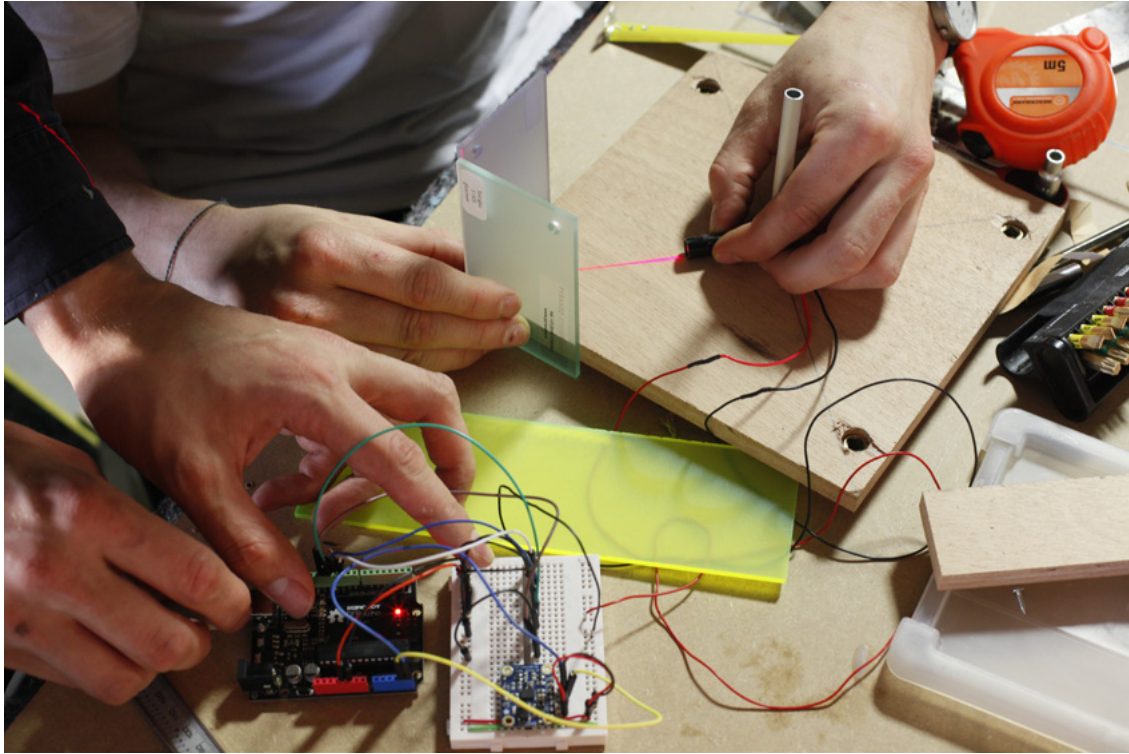


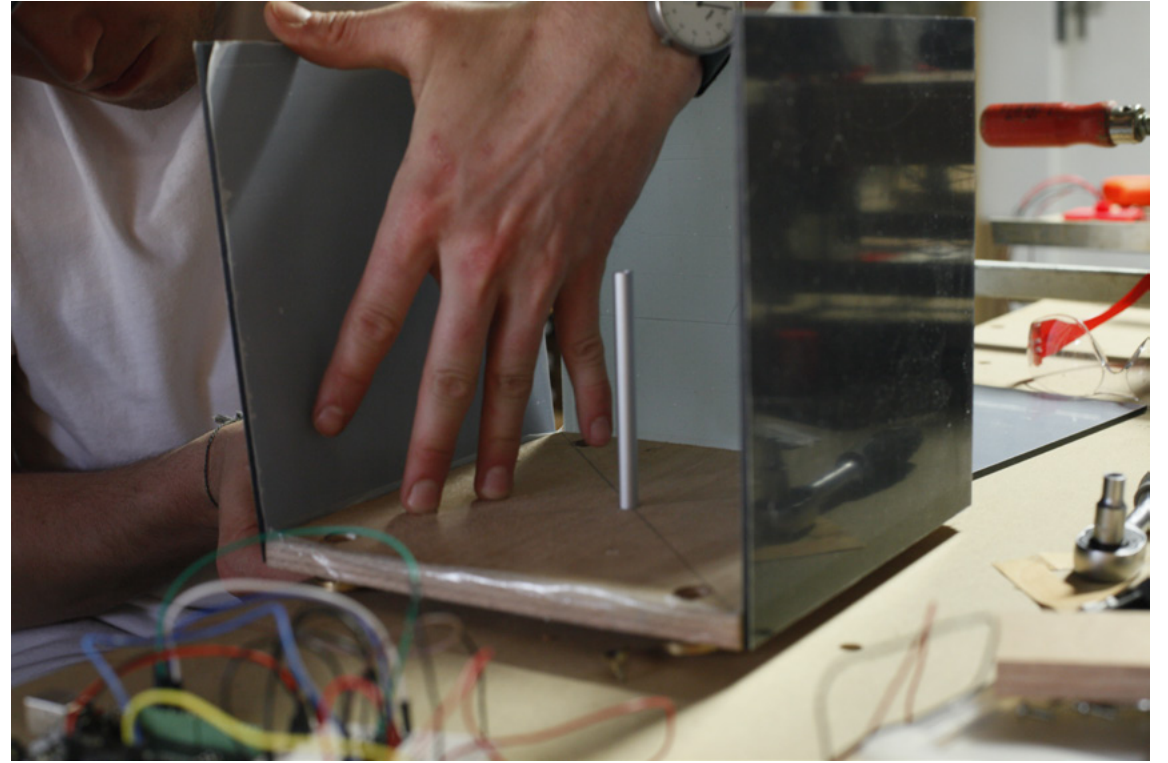




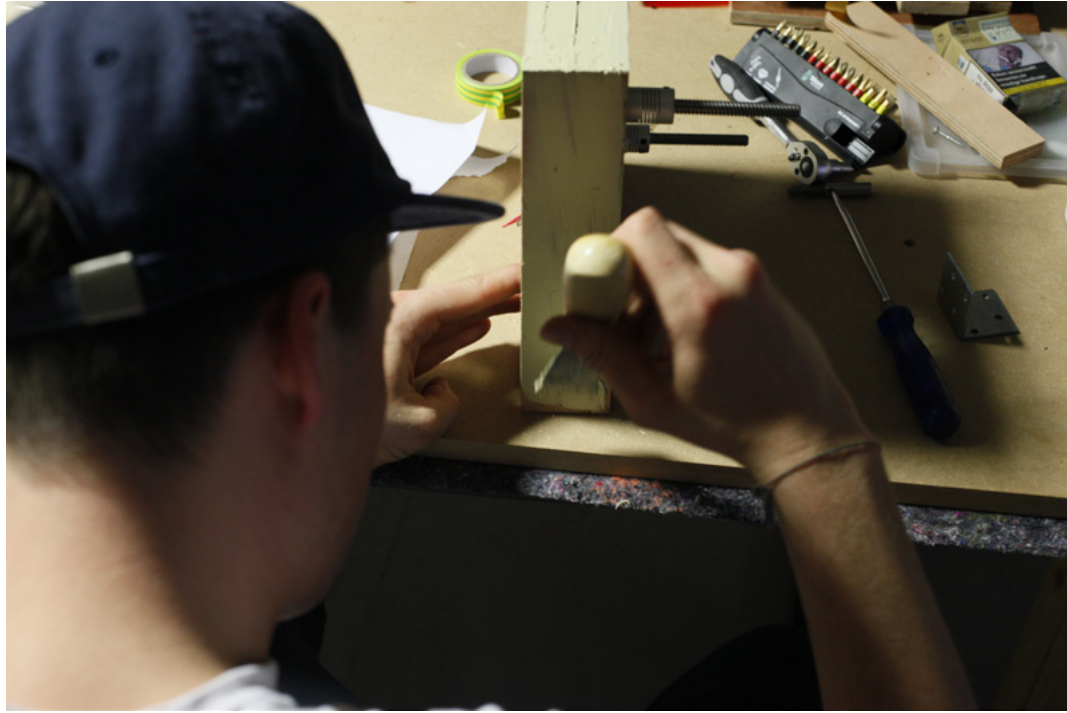


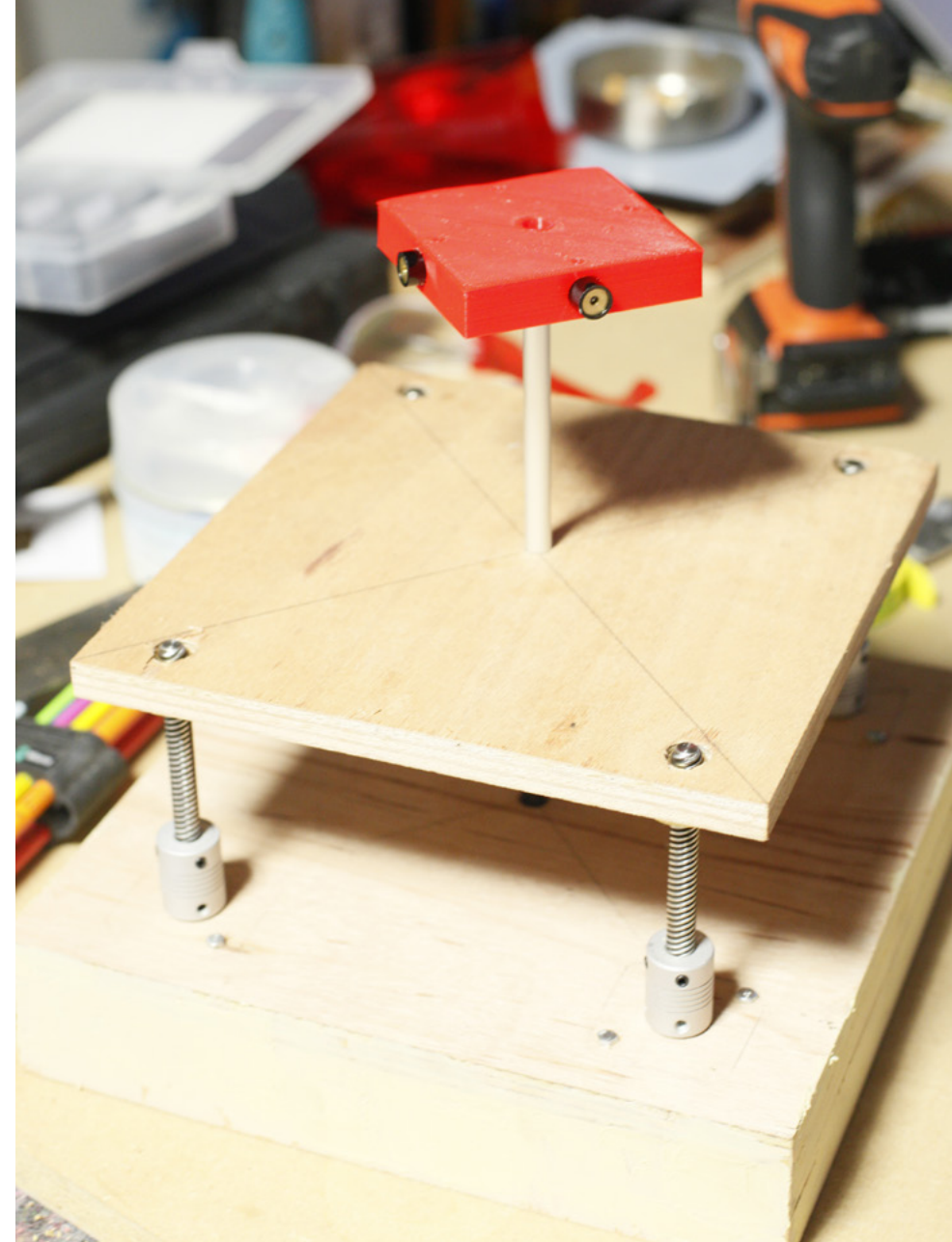
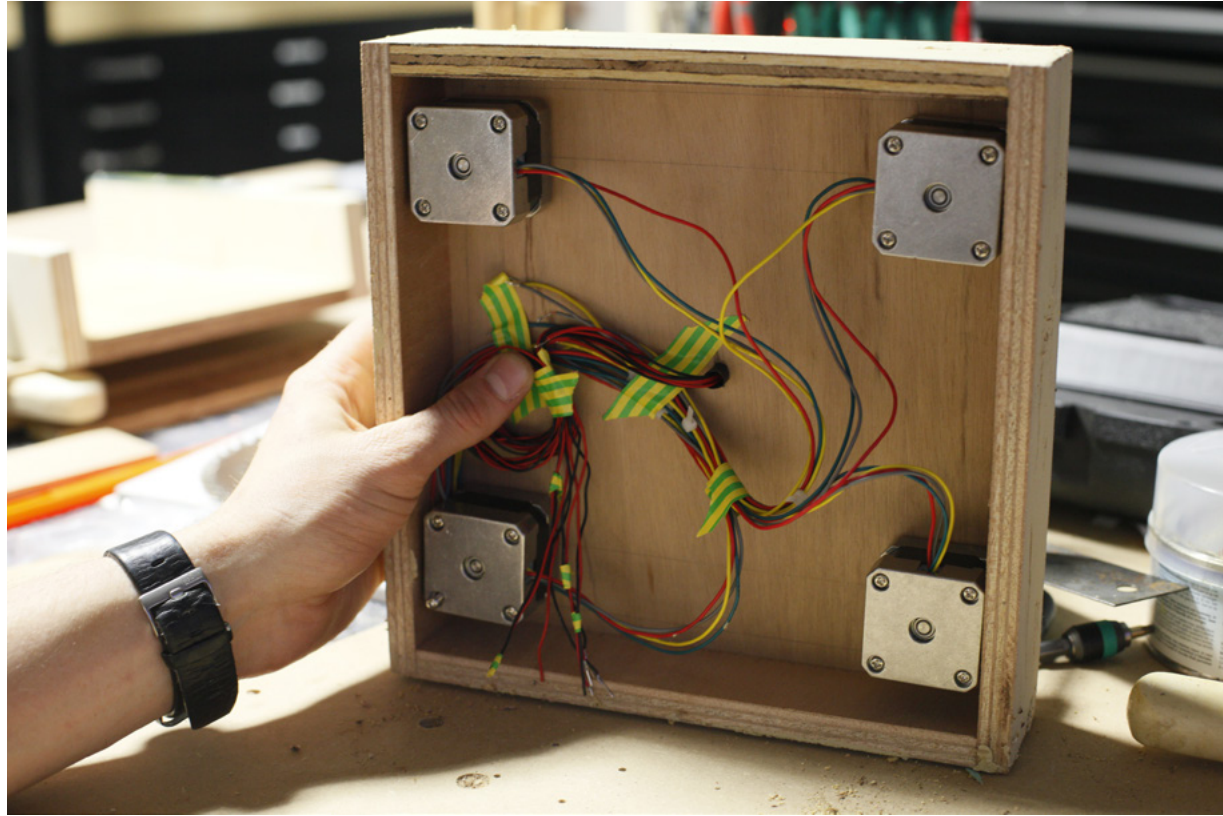






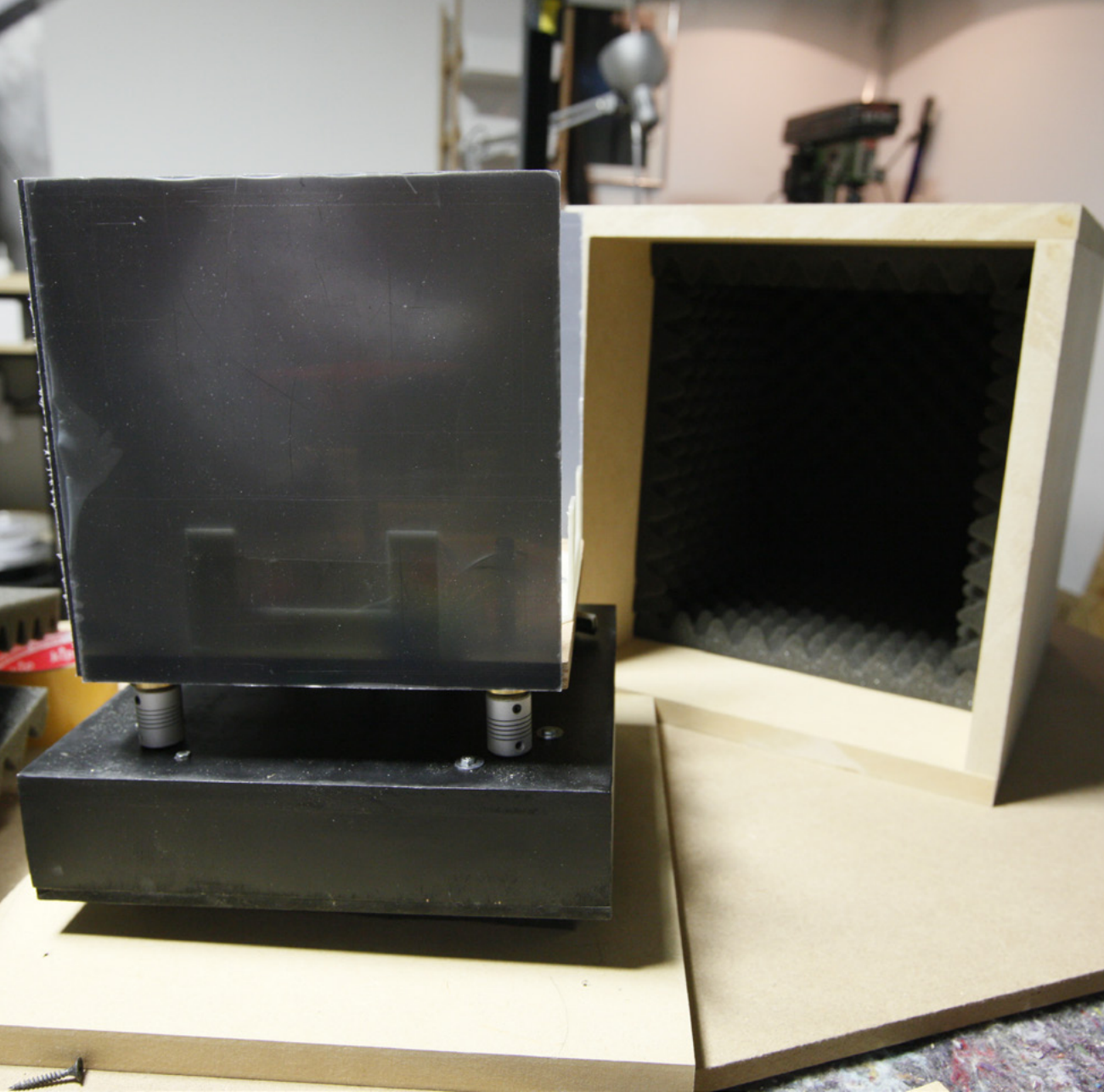














REACTION
/V1
REACTION
SET 1A/V1











