WERKSHAU

ANDREY AKSENOV

PROJECTS UNTIL 2025

ALICE
pouf

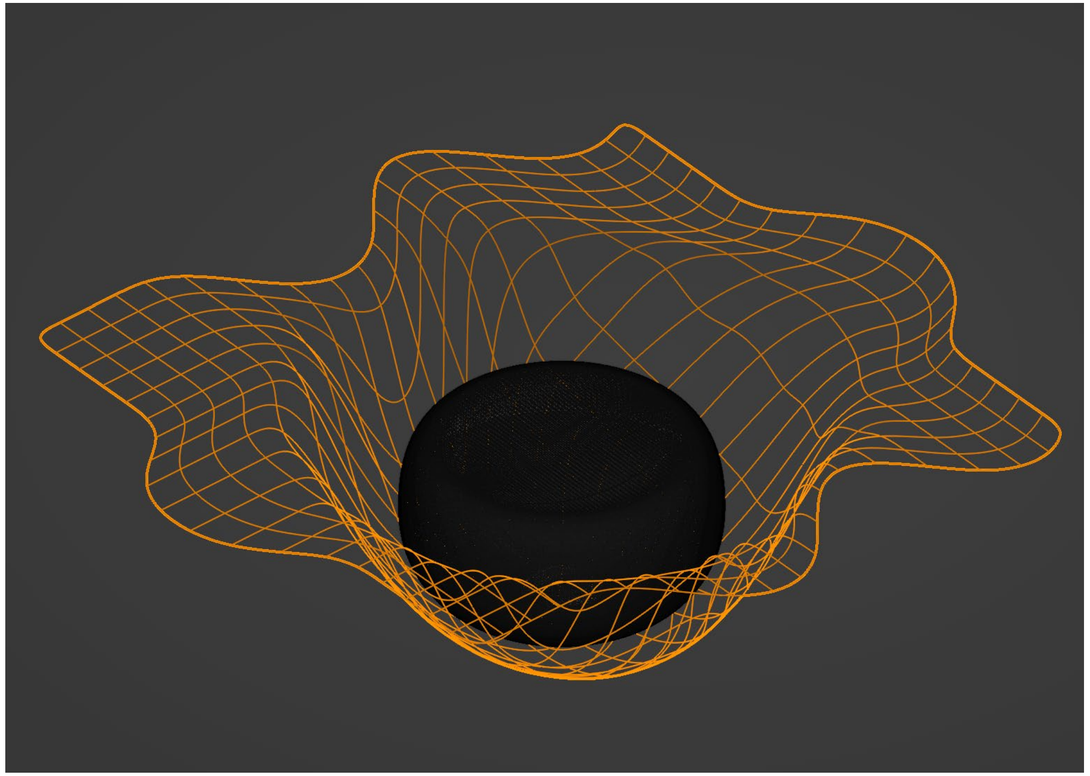
A new interpretation of a traditional weaving technique

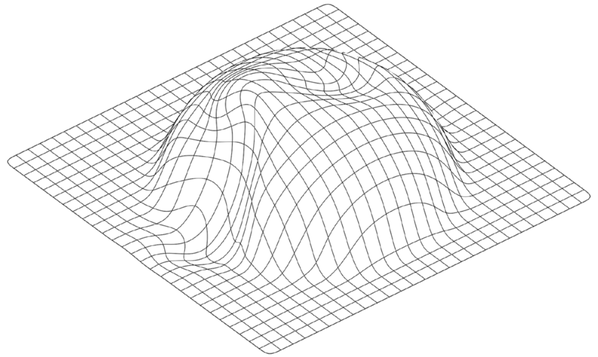
SoSe 2024
It`s a Pouf!
Course taught by Prof. Silvia Knüppel

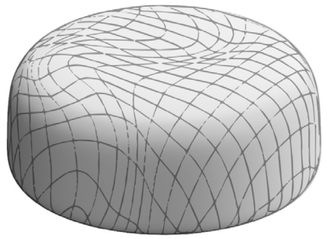
Concept

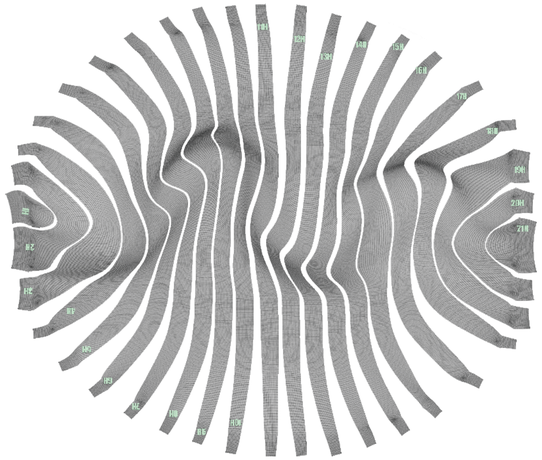
Weaving is one of the oldest crafts, yet in modern times it seems to be losing its relevance, perhaps because it is so closely tied to manual work. As I reflected on this technique, I noticed that it is inseparably linked to basic geometric forms such as circles, lines, squares, and triangles. But in my attempt to break away from this pattern, I created the pouf “Alice.”

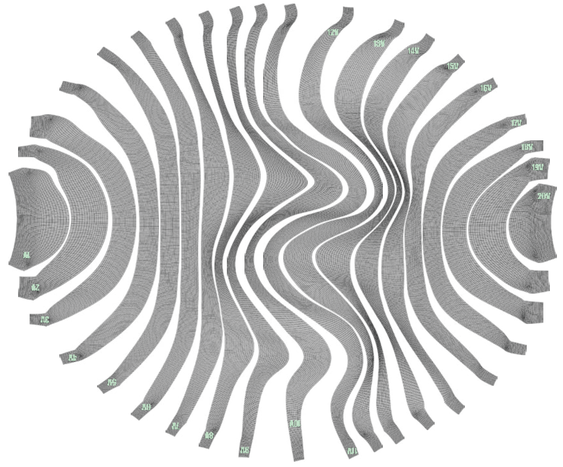
At the core of my idea are curvature, illusion, and flowing, organic lines that deliberately oppose strict geometry. This piece of furniture is meant to blur the boundaries between the familiar and the new, adding an element of surprise and playfulness to the space.











MANUFACTURING

MATERIALS
leather, jersey fabric, TPU, plywood,
base pouf

MANUFACTURING EQUIPMENT
Sewing machine, Blender, 3D printer, knife.

JAMMY

sampler

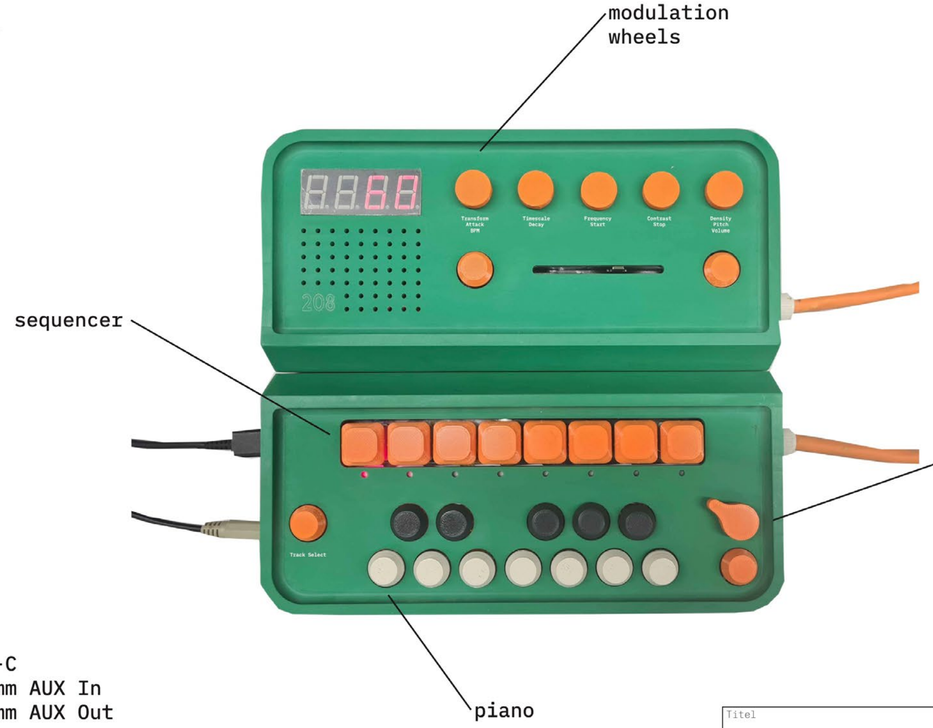
A new way to play together

Team work with Maximilian Dohr
SoSe 2024
Audio Interface Design 2024
Course taught by Angelika Tavella and Prof. Dr. Sebastian Meier

Concept

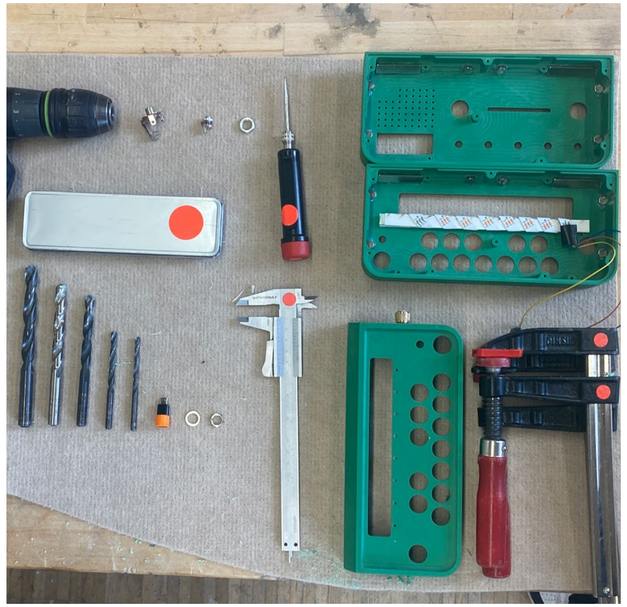
Jammy is a stand-alone groove machine that you can take everywhere. It features integrated sample recording and modulation so you can finally use all the sounds from your surroundings that you would otherwise miss out on. Jammy can fold shut so you dont have to worry when you throw it into your bag for a session at the park, or even split into halves when you want to collaborate with someone.

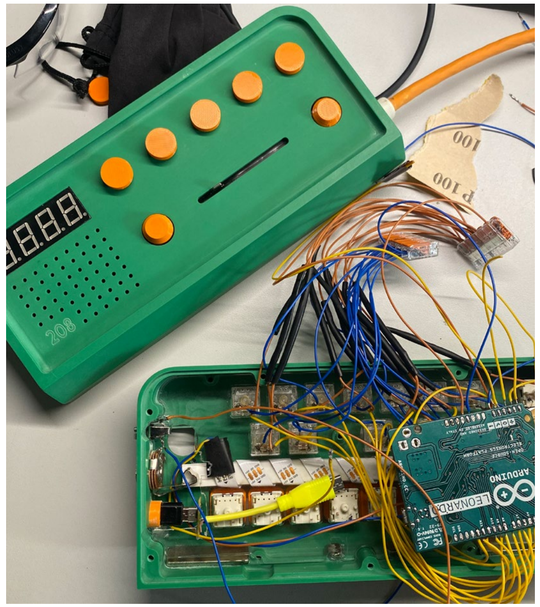
overview

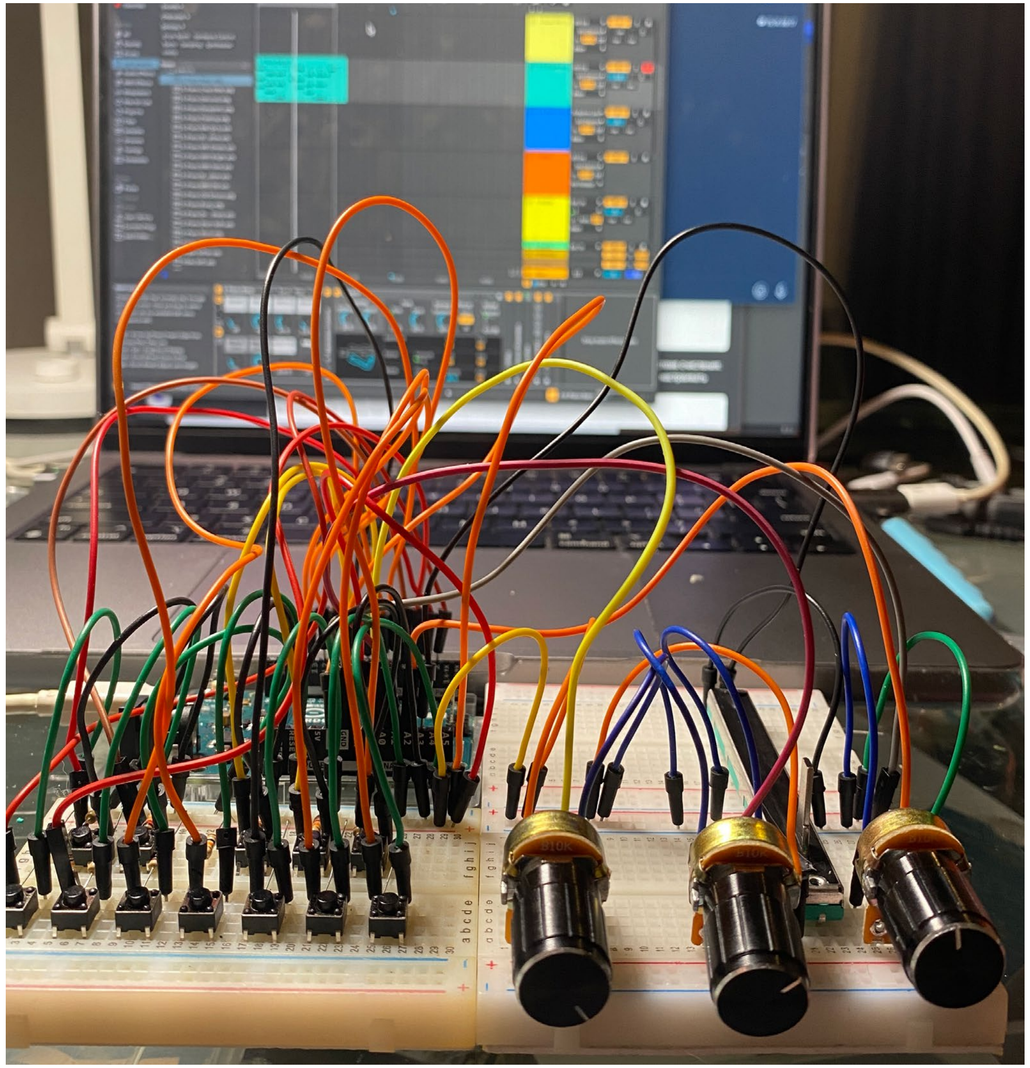


IO
_USB-C
_6.3mm AUX In
_3.5mm AUX Out

Titel: JAMMY SAMPLER	Kurs: Audio Interface Design
	Erstellt durch: Andrey Aksenov & Max Dohr
Projekt: Folding Sampler Concept; Prototype 1	Datum: 09.07.2024







MANUFACTURING

MATERIALS
POM, Arduino,Push Buttons, LED RGB strip, lineal potentiometr, encoders

MANUFACTURING EQUIPMENT
CNC milling machine, Arduino IDE, 3D-Printer, Fusion 360.

watch the video!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INDIGO

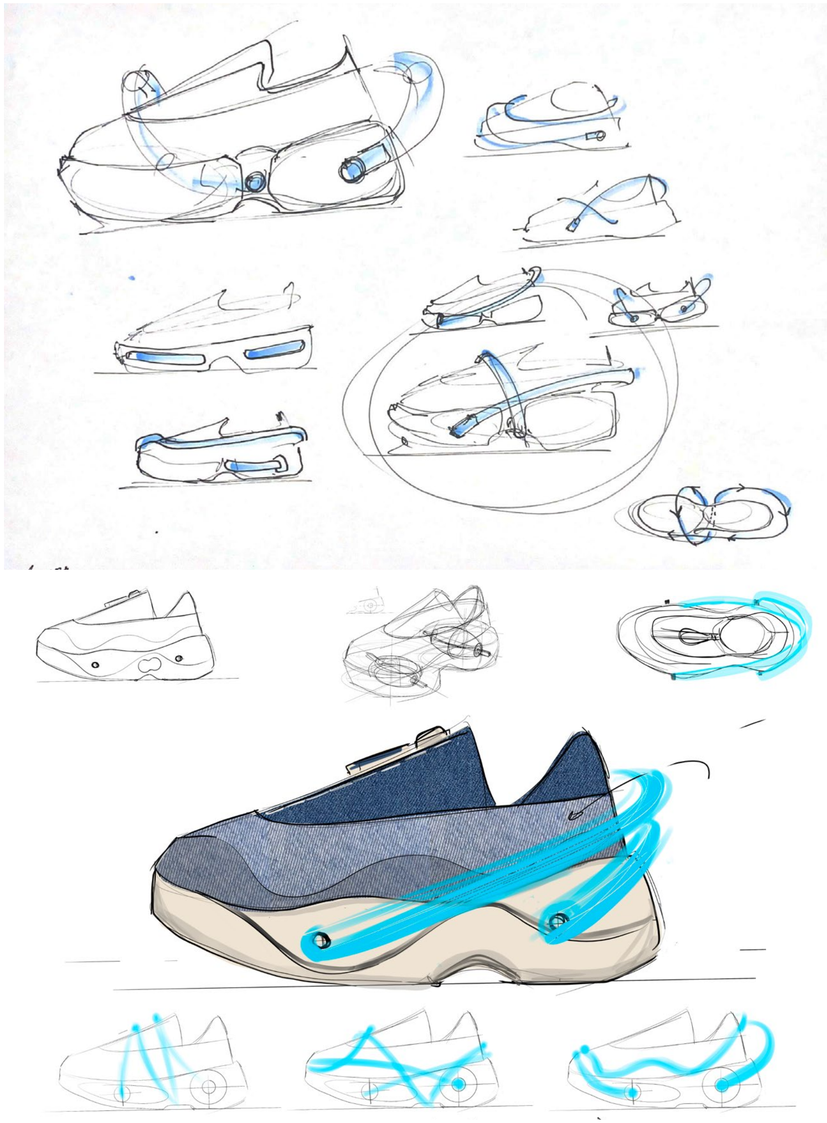
Sneakers

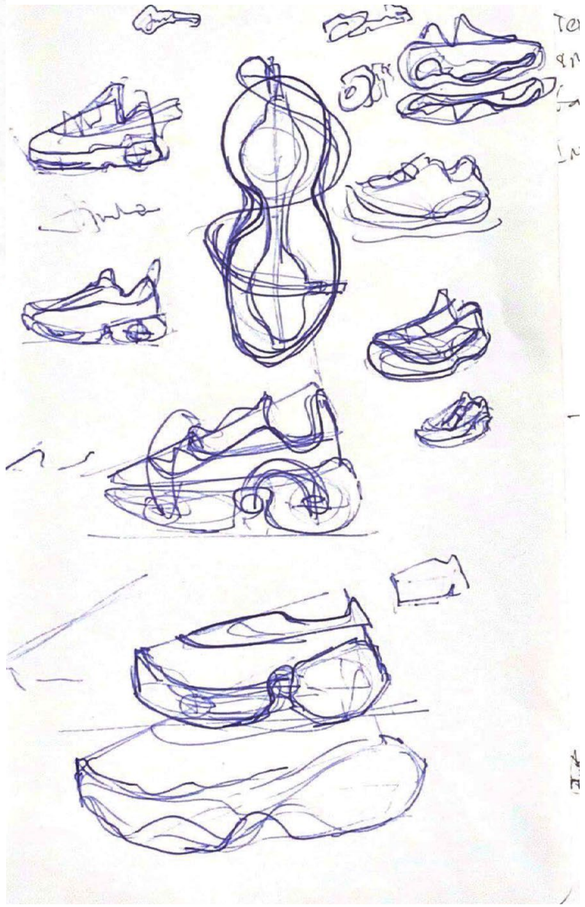
Reflections on denim consumption culture

WiSe 23/24
SHOE REBELS
Course taught by Prof. Silvia Knüppel

Concept

How much water does the production of a pair of jeans pollute? About 4000 liters. In turn, the dyeing process is considered one of the most environmentally damaging steps in production. We rarely think about this when buying new jeans. The “Indigo” project aims to remind people of this issue and bring it closer to them. The tubes with dyed water directly show the environmental impact of jeans production.

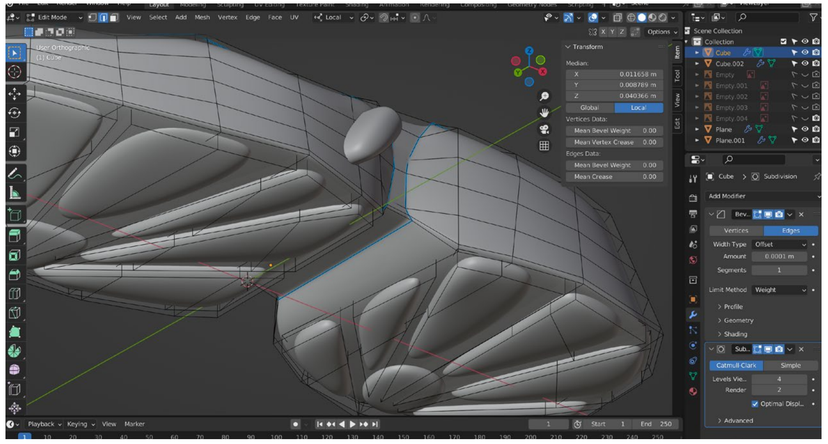




MANUFACTURING

MATERIALS
Old jeans, foam, felt, PETG filament, PVC tubing, water, wire rope.

MANUFACTURING EQUIPMENT
Sewing machine, shoe lasts, blender, 3D printer.



watch the video!

MAGNETIC LOCK

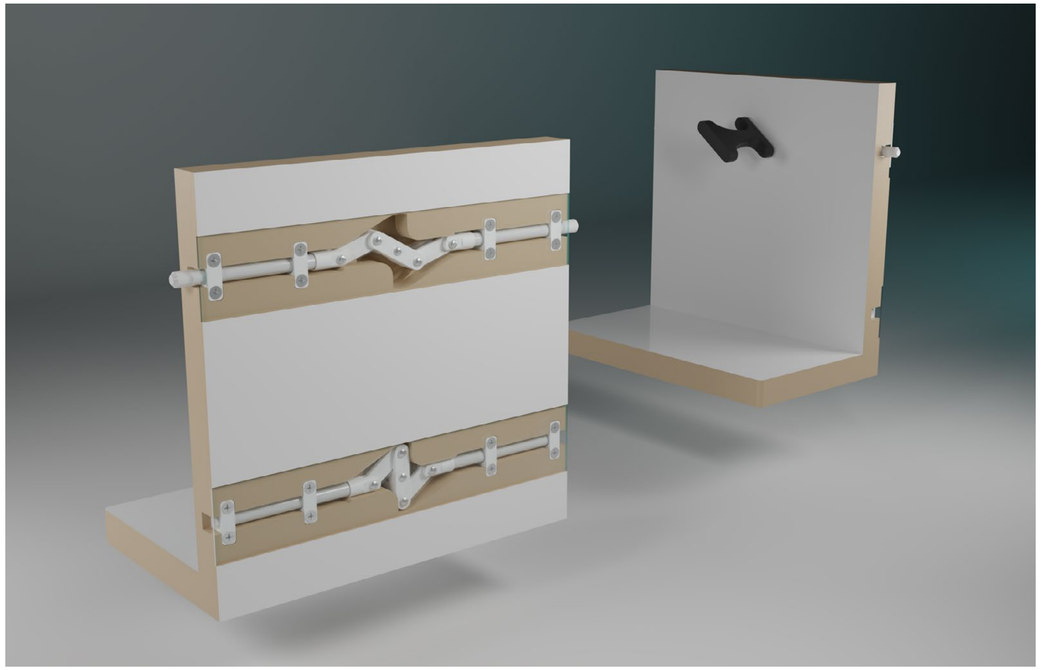
Fastening furniture technology

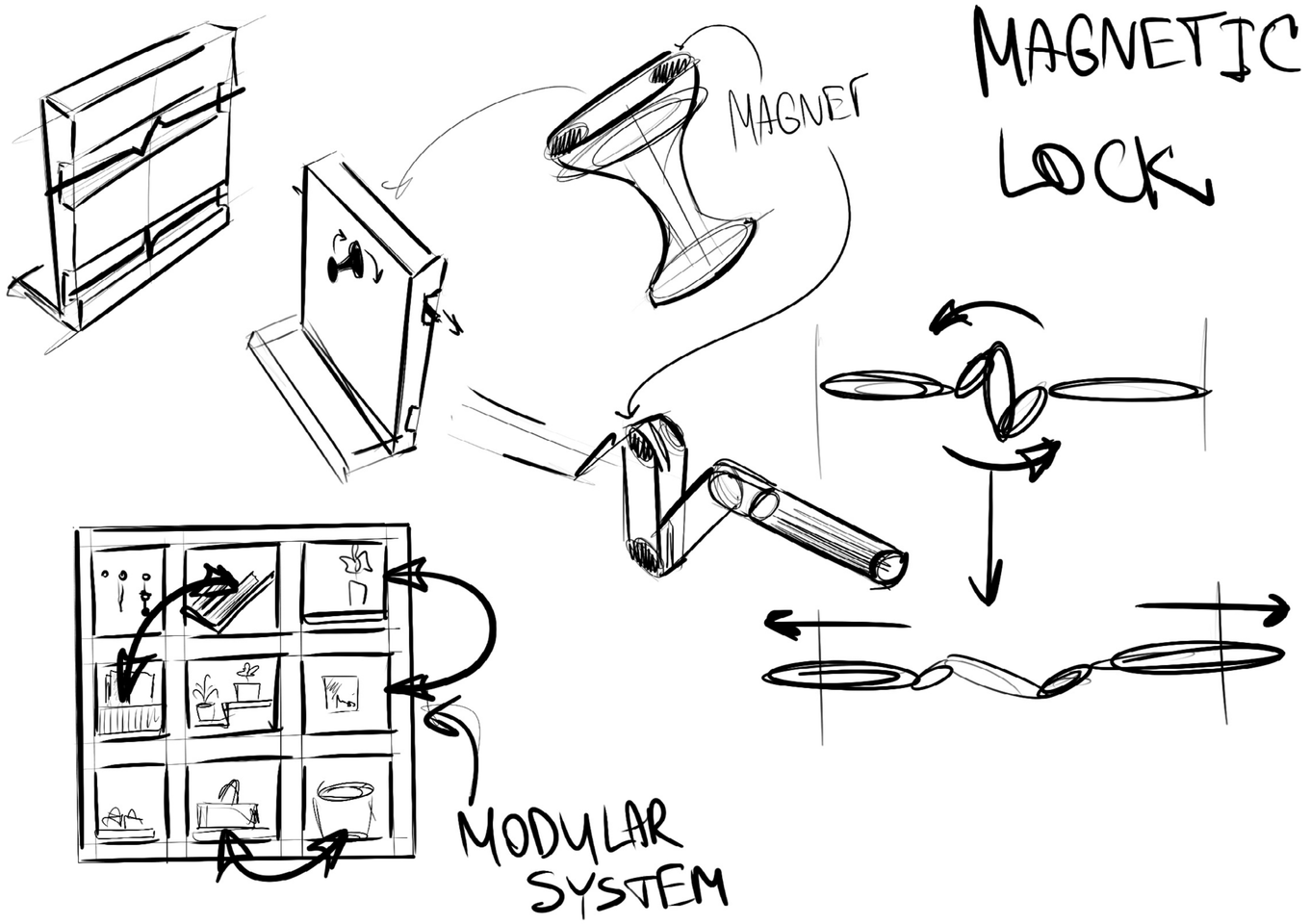
Unconventional use of magnets in furniture.

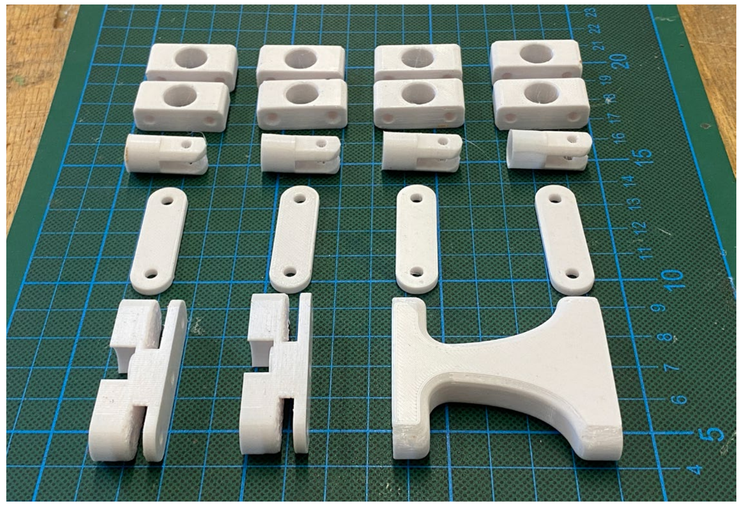
SoSe 2023
Vom Verbinden und Trennen
Course taught by Prof. Hermann Weizenegger

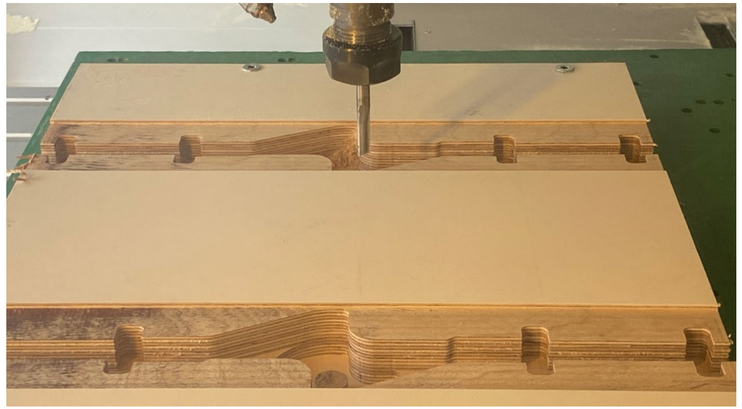
Concept

The technical fasteners in furniture production are fundamental. Typically, the object, the piece of furniture, takes precedence in development. However, I decided to take a different path and attempt to develop a new type of connection. The magnetic lock I've designed solves the problem of quick assembly/disassembly of individual modules and eliminates the need for technical holes on the front side, making the surface clean.





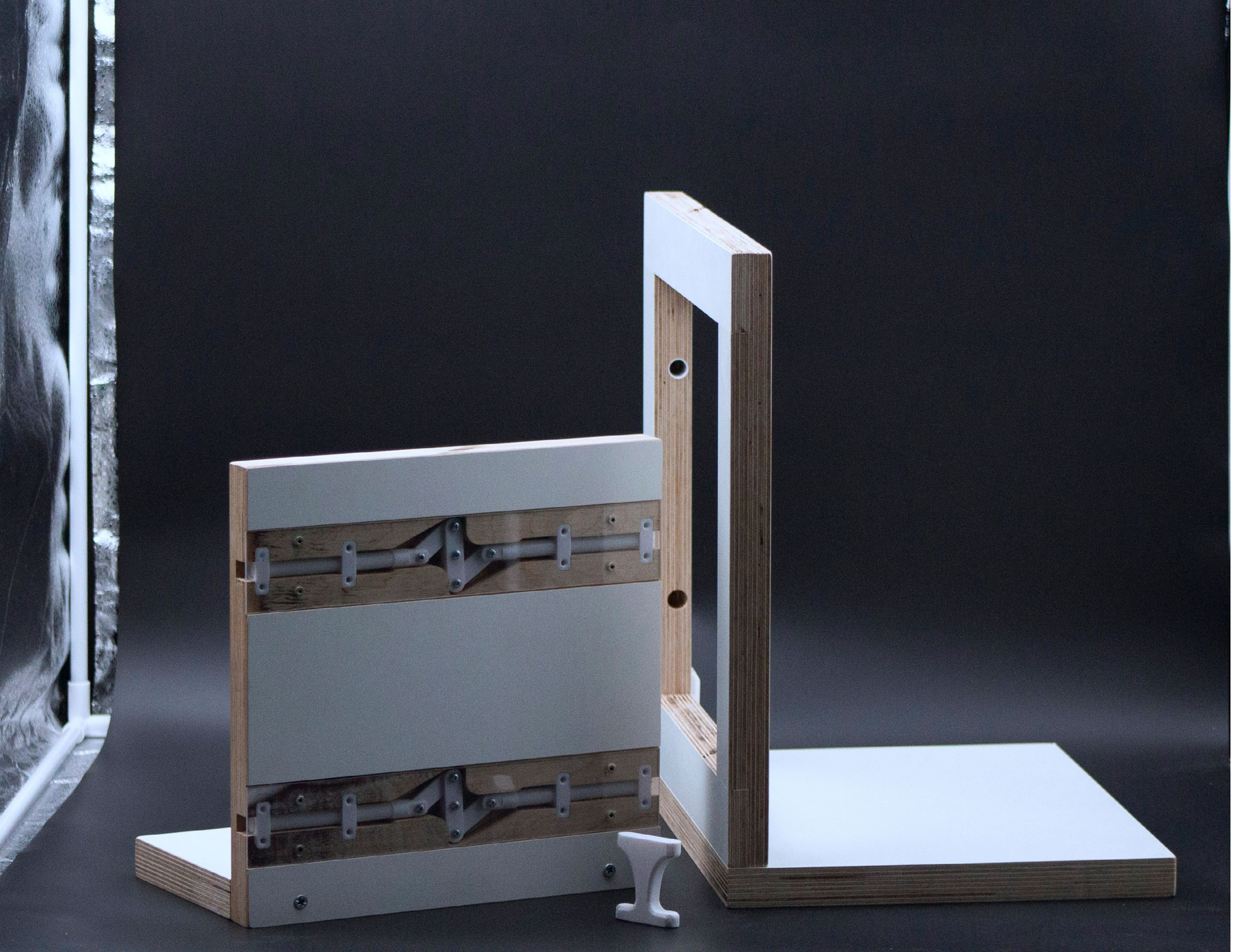




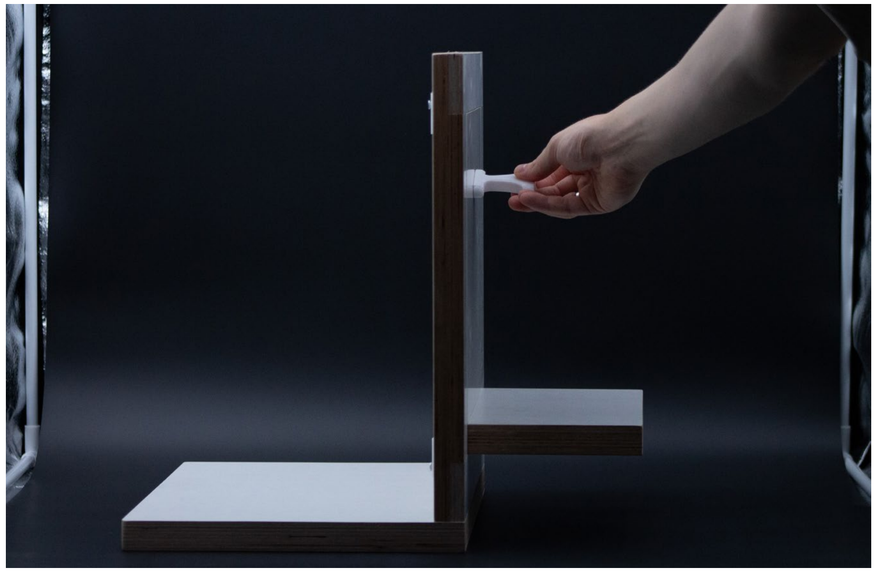
MANUFACTURING

MATERIALS
Plywood, acrylic, nylon rod, PLA

MANUFACTURING EQUIPMENT
CNC milling machine, woodworking machinery, Fusion 360, 3D printer.



To understand the principle
of operation, watch the video!



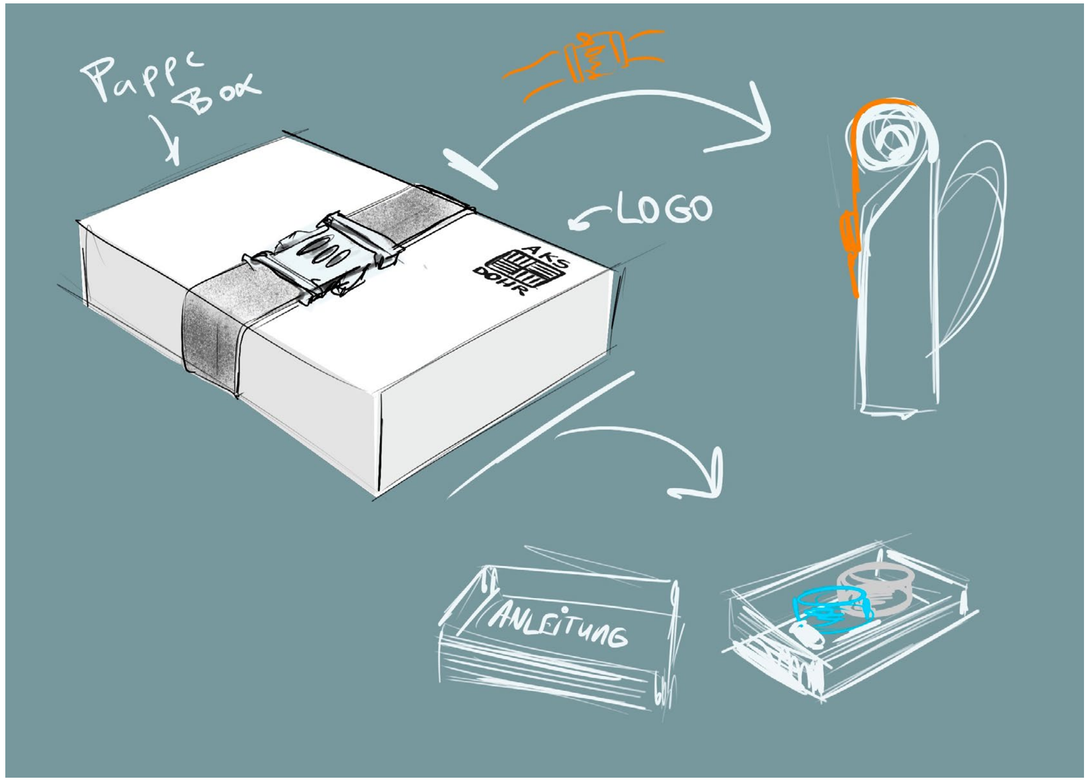
FLECHT MAL!
(Let’s weave!)
Backpack

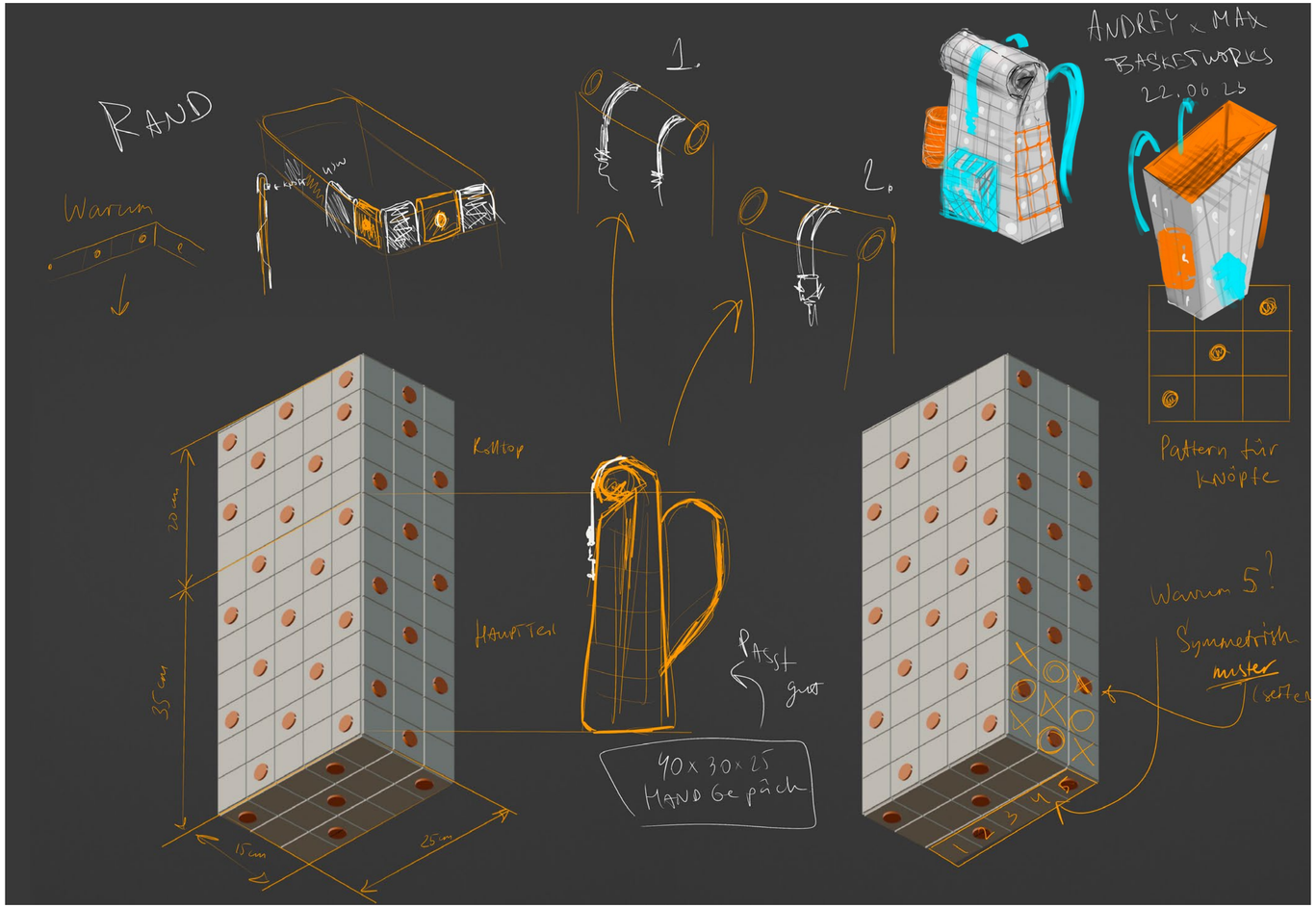
A fresh look at accessory customization

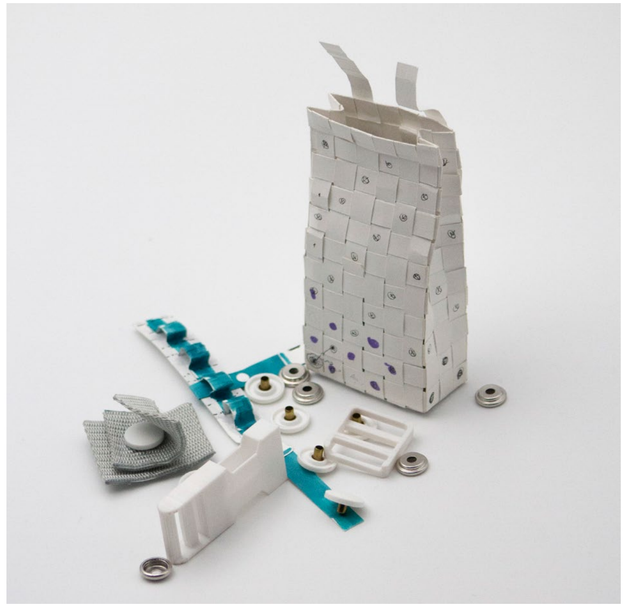
Team work with Maximilian Dohr
SoSe 2023
BASKETWORKS
Course taught by Prof. Silvia Knüppel

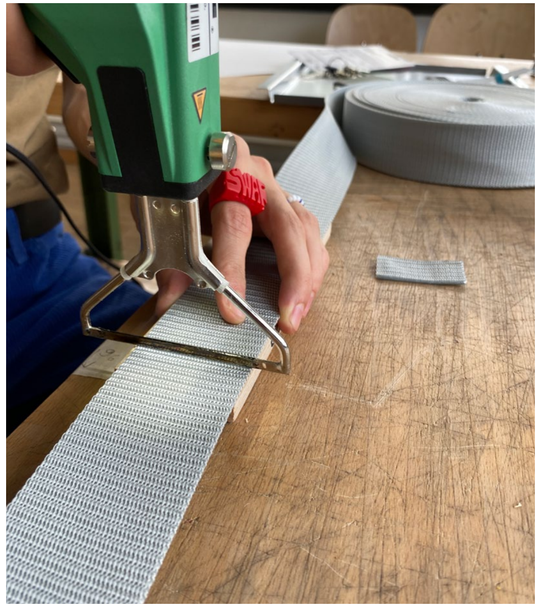
Concept

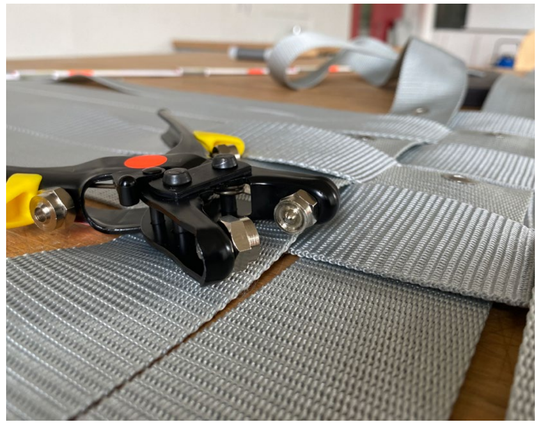
“Flecht mal!” This is a call to creativity and a return to the traditions of basket weaving, but in modern times. The product initially comes in a disassembled state. Thanks to the use of buttons, the backpack is easily assembled/disassembled and remains sufficiently stable. The backpack’s design allows for adding and attaching various modules, whether it’s an additional pocket, a bottle holder, or a net for a jacket. User can choose the location for the module freely. The backpack is fully repairable; simply unfasten the necessary part/strap and replace it with a new one. This way, the backpack’s service life is practically unlimited.









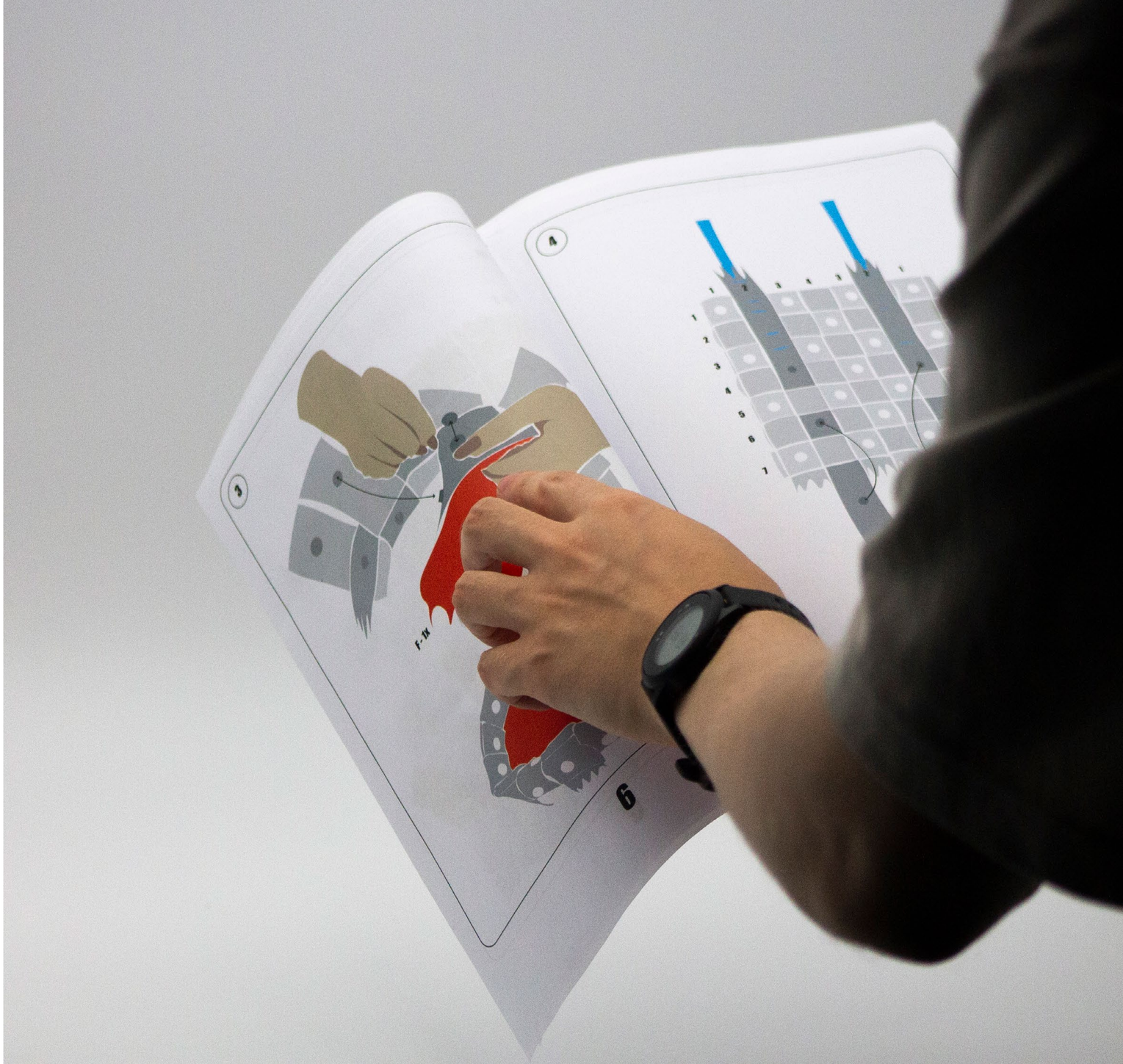


MANUFACTURING

MATERIALS
Polypropylen, push-buttons, PLA, polyester

MANUFACTURING EQUIPMENT
button press,
sewing machine, Fusion 360, heated cutter, 3D printer.

watch the video!



Thank you!