



BLACKFISH

2024
PROJECTS

SHOWCASE



ANIMATRONIC

Z O M B I E



ANIMATRONIC ZOMBIE

Project made for the campaign promoting the premiere of Army of the Dead movie on the Polish Netflix platform. We built a zombie robot enclosed in a specially prepared advertising column. In addition to zombie movement, we added special effects in the form of spinning roulette, smoke, light, sound and flying zombiedollar bills.

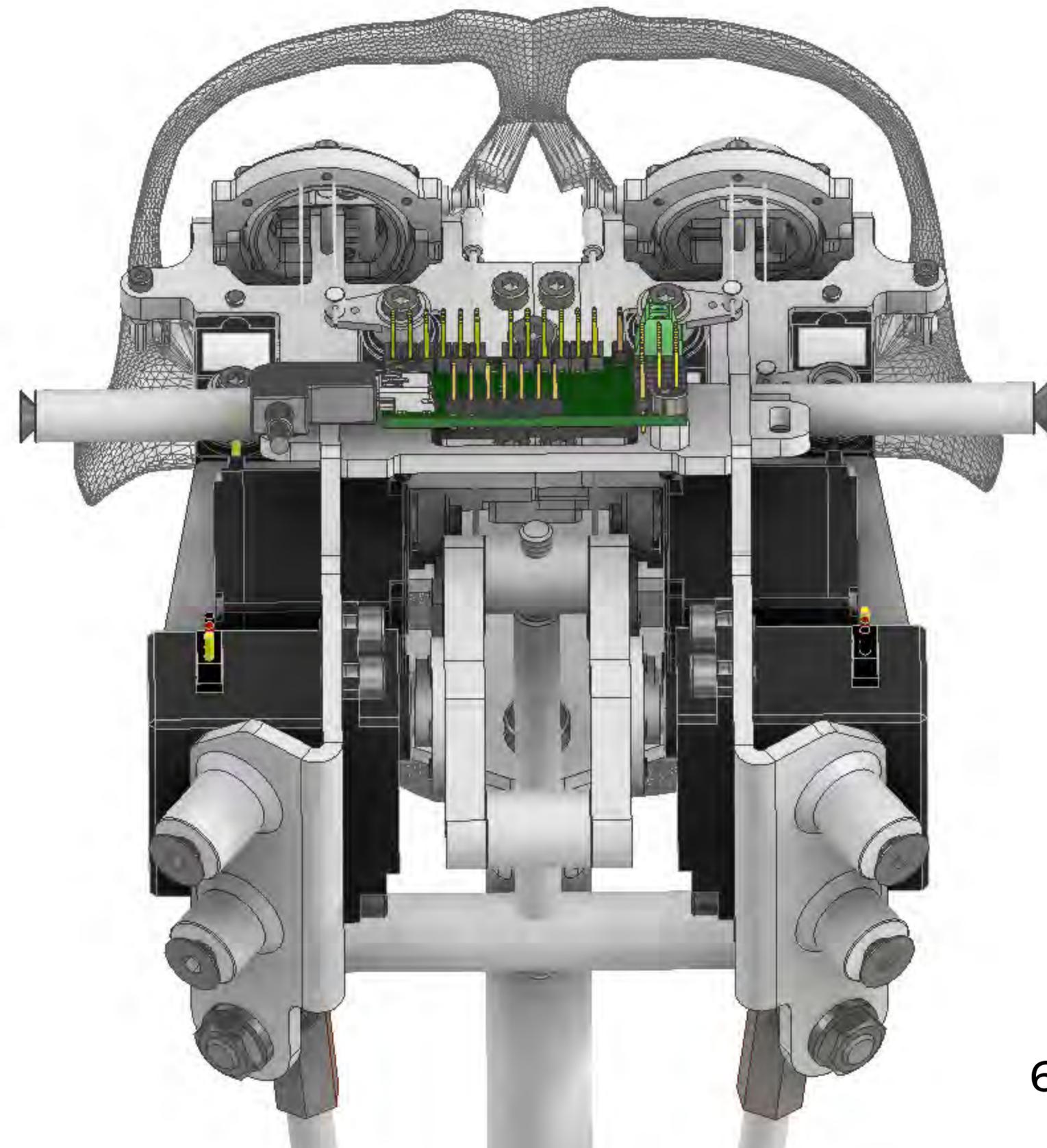
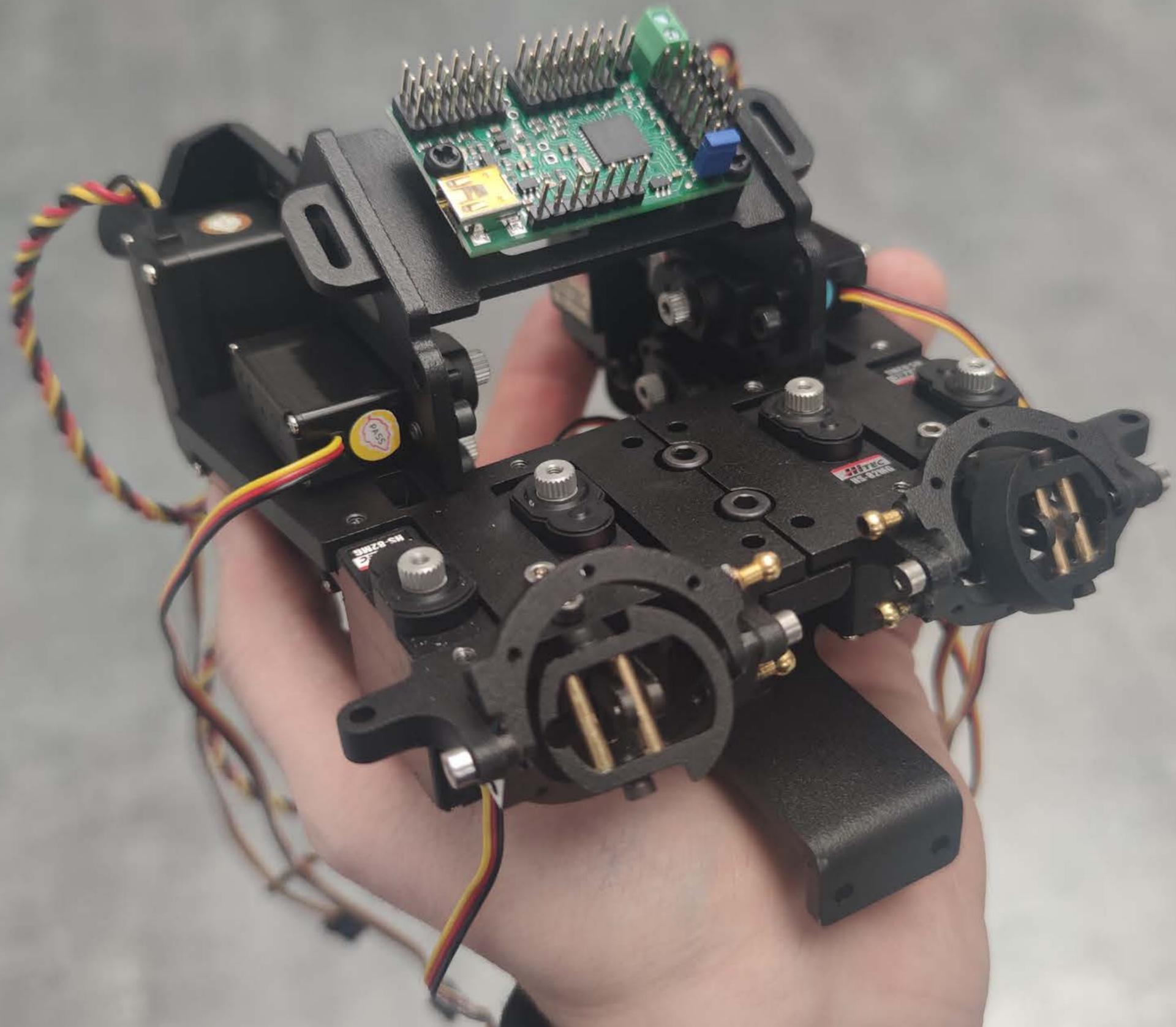
CLIENT:

NETFLIX



















ZOMBIE MAKING OF

VIDEO

CLICK



<https://youtu.be/rCly1pxOqX8>



M A R S I A N

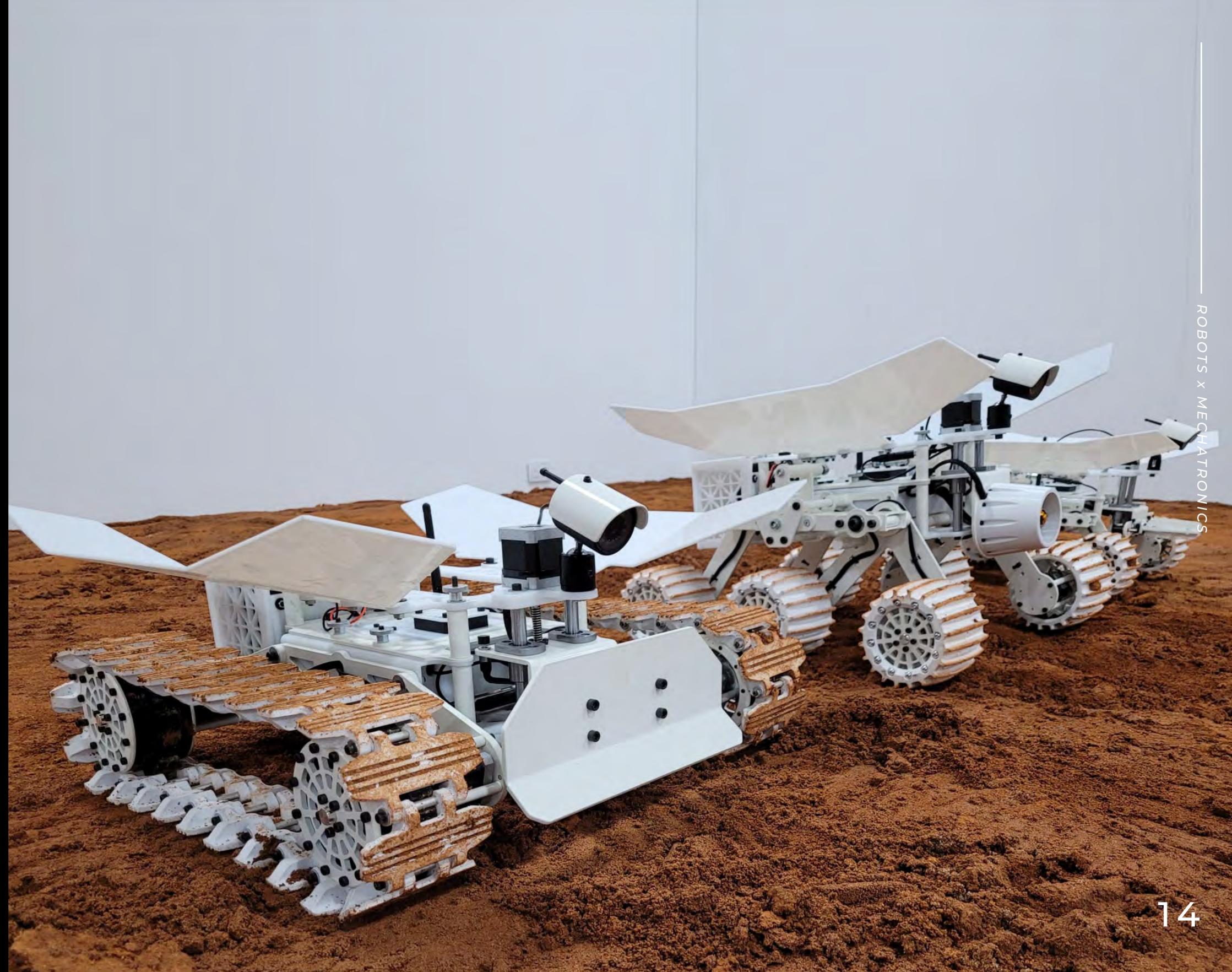
R O V E R S

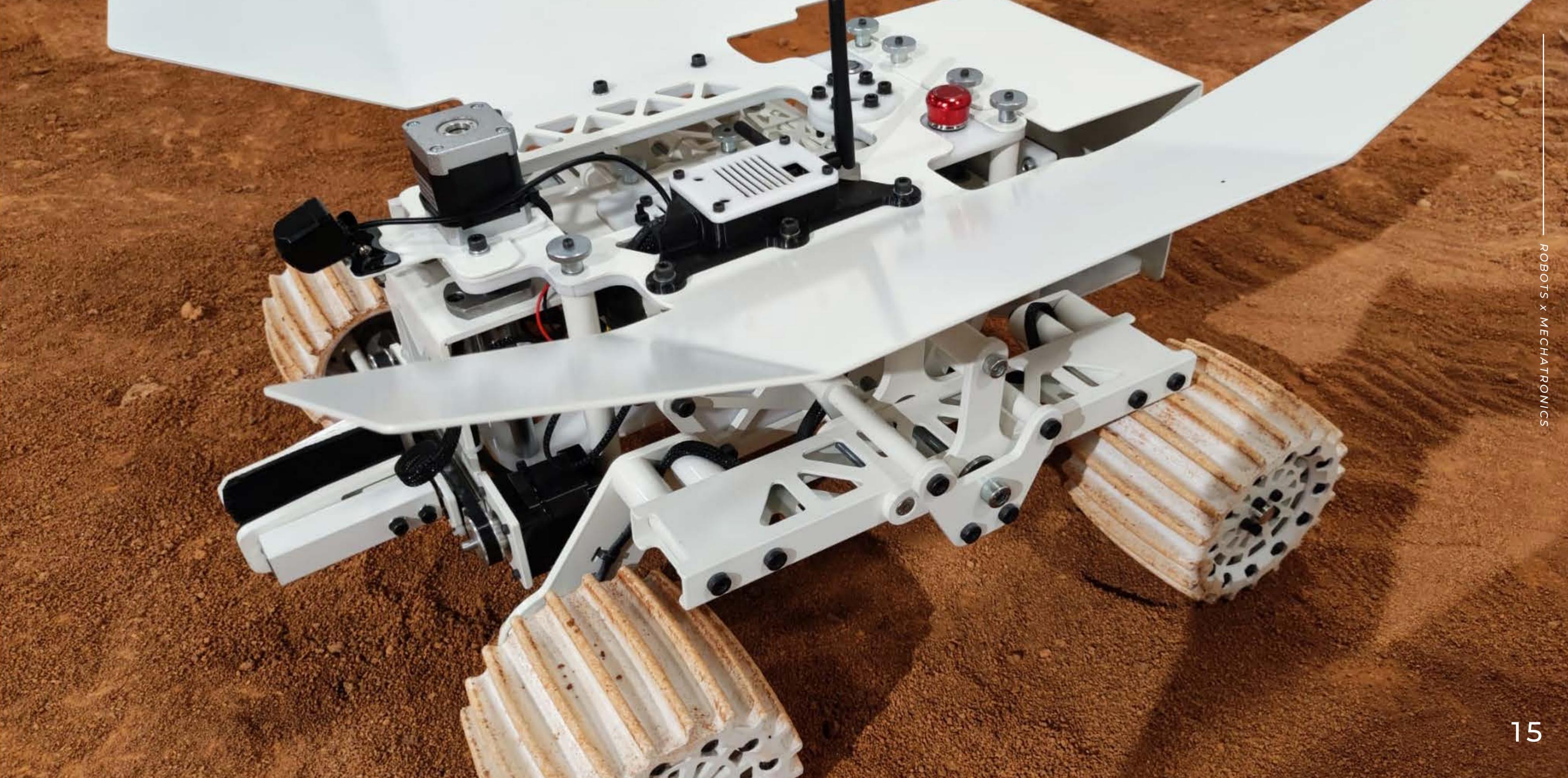


MARSIAN ROVERS

Three remote-controlled Marsian Rovers with control panels and wireless vision. Each of the rovers has a different functionality and a different suspension. Project made for the needs of an interactive museum exhibition.

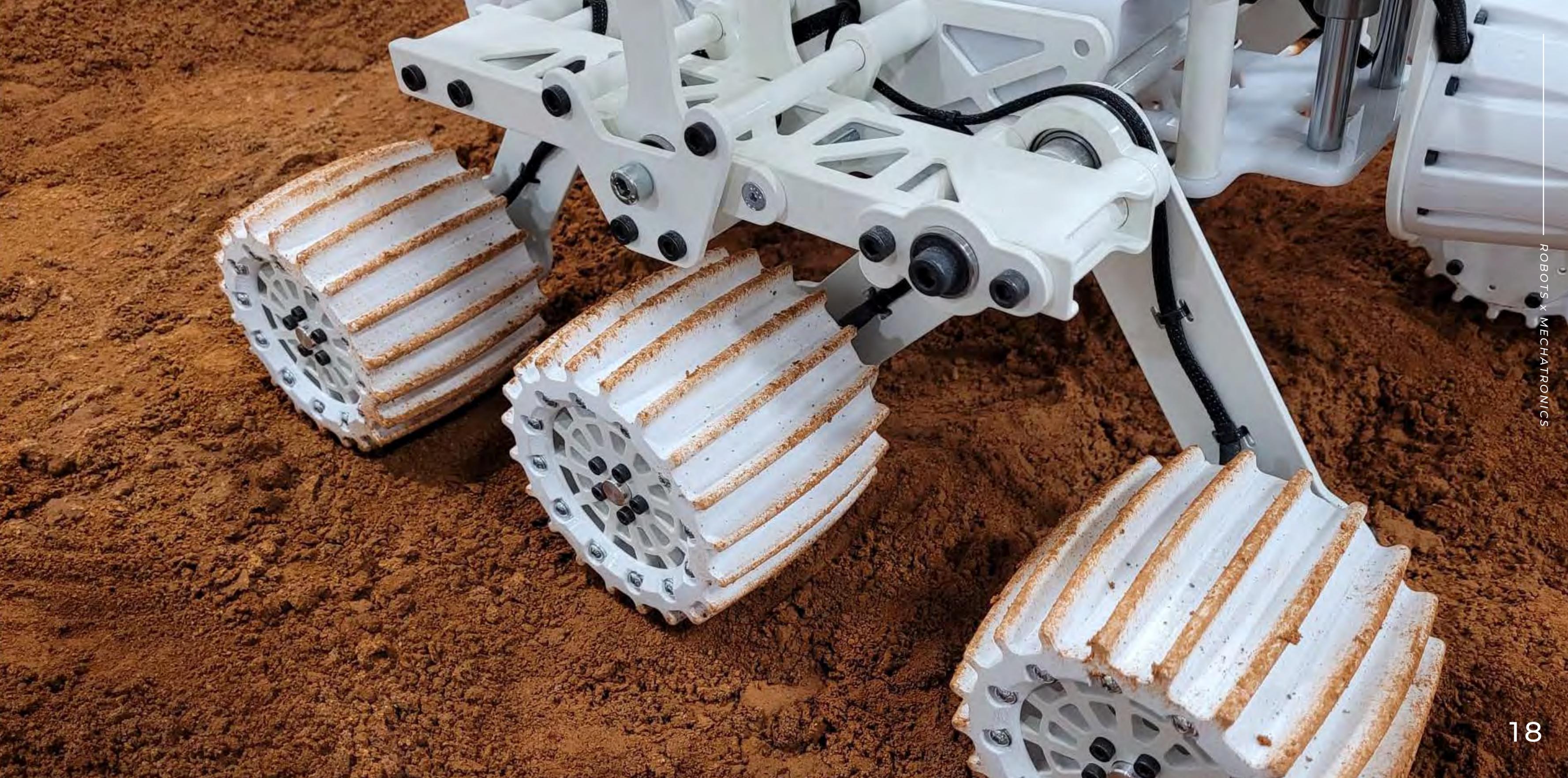
CLIENT:



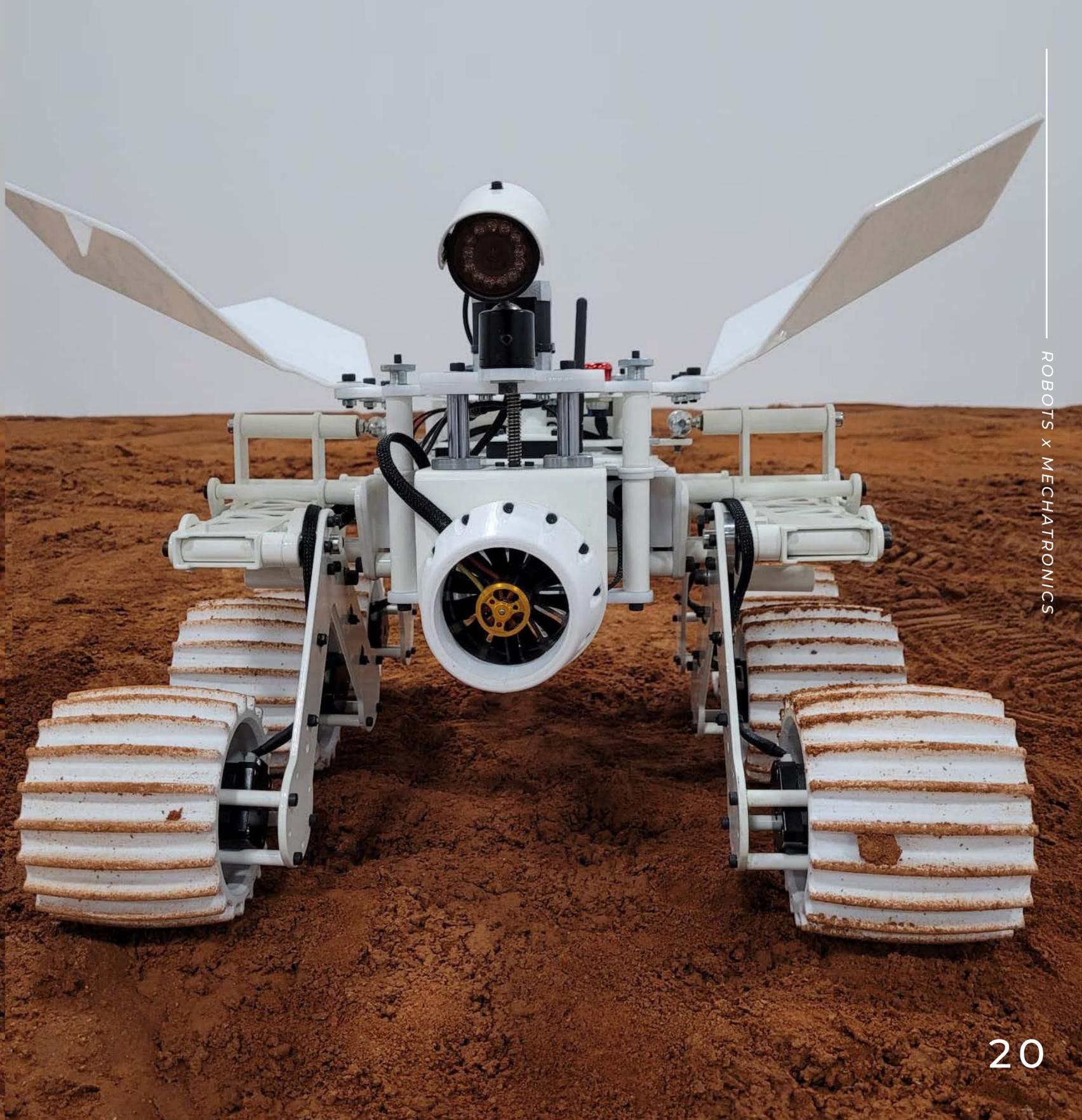
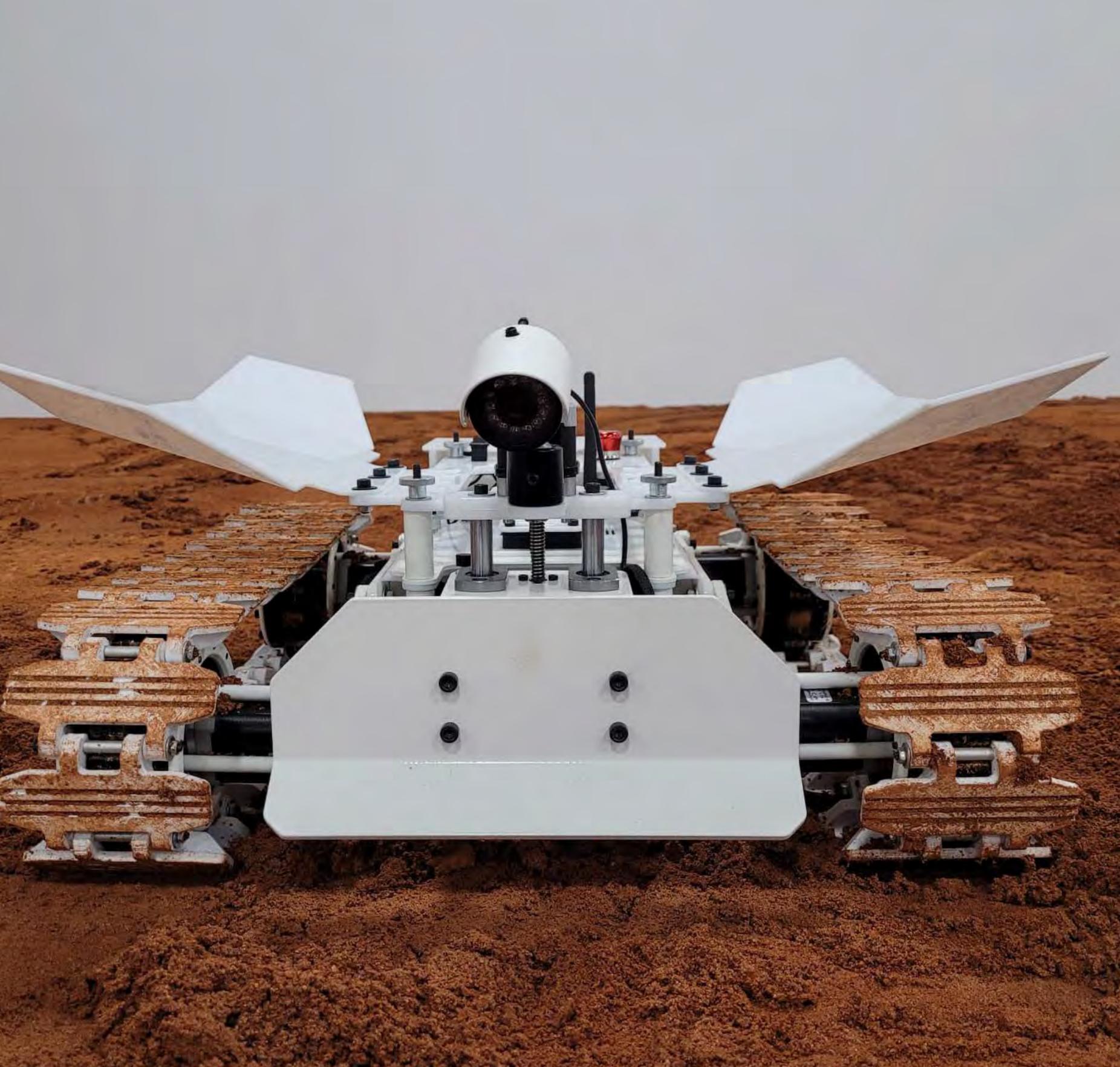
















CUSTOM-BUILT

CNC

PLASMA



CNC PLASMA

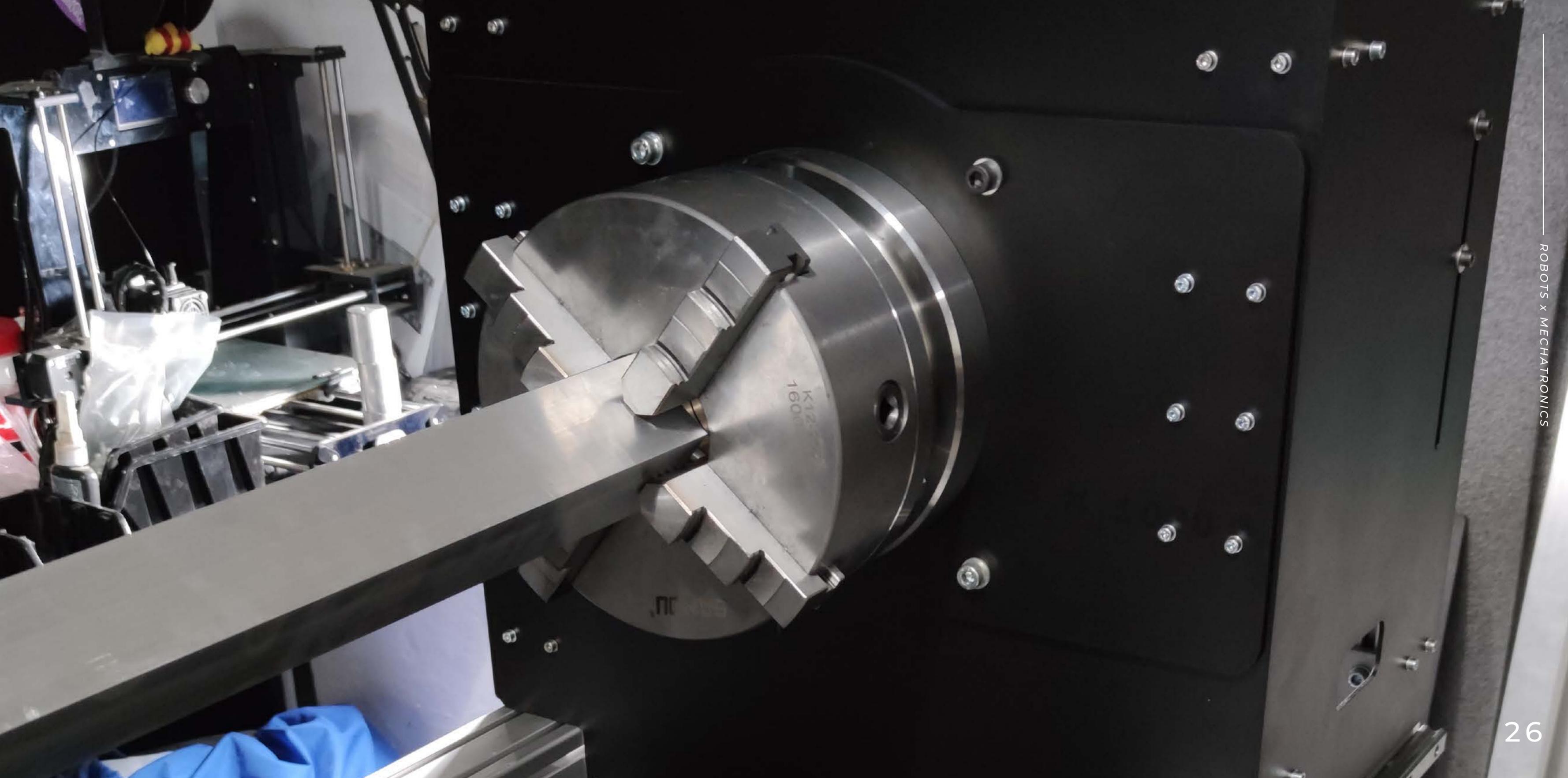
Custom-built for special customers needs
4-axis cnc machine for cutting steel elements
using a plasma source.

CLIENT:

NETFLIX







PLASMA IN WORK

VIDEO

CLICK



<https://youtu.be/knK-BoG5Suk>

CUSTOM-BUILT

THREADING

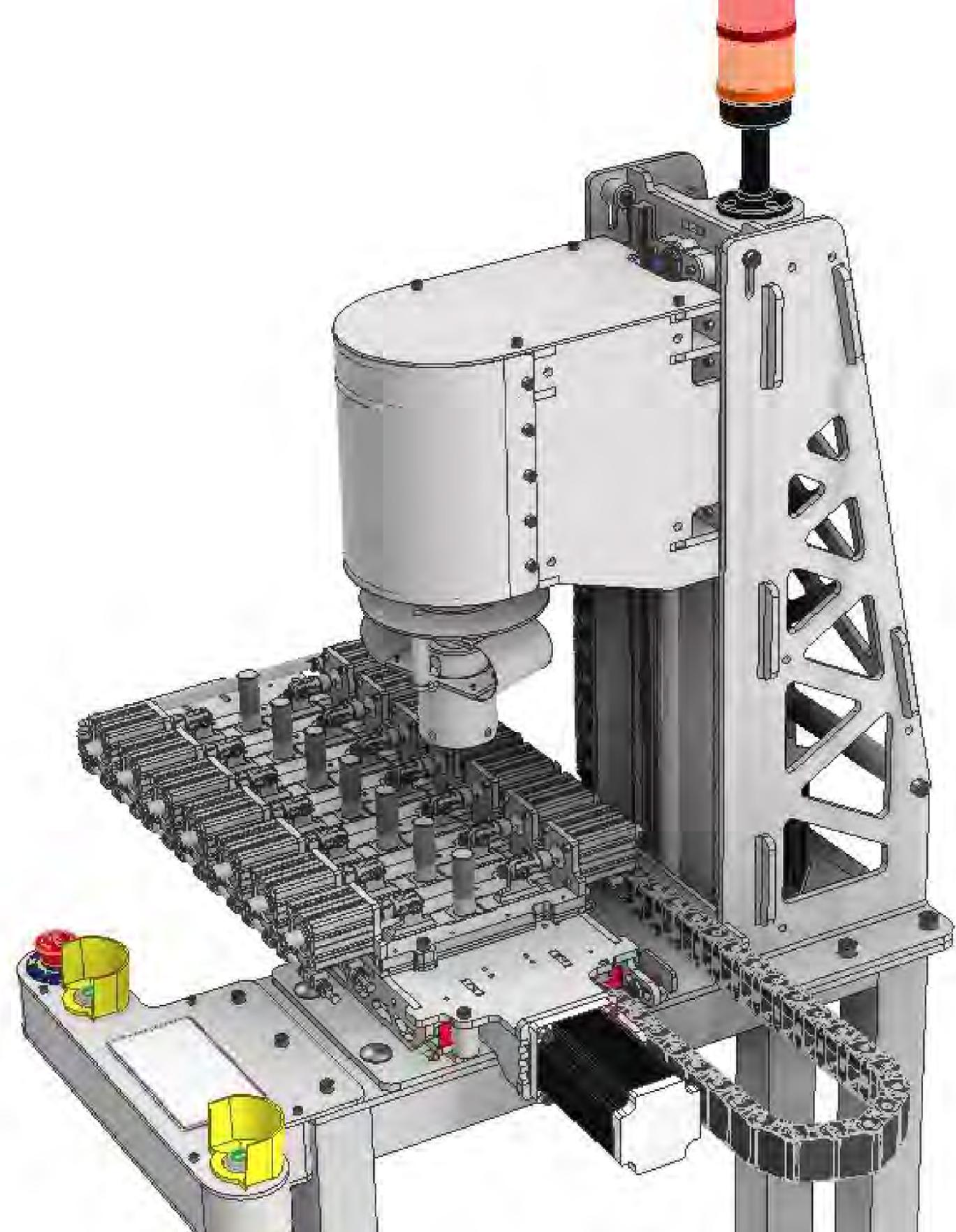
MACHINE

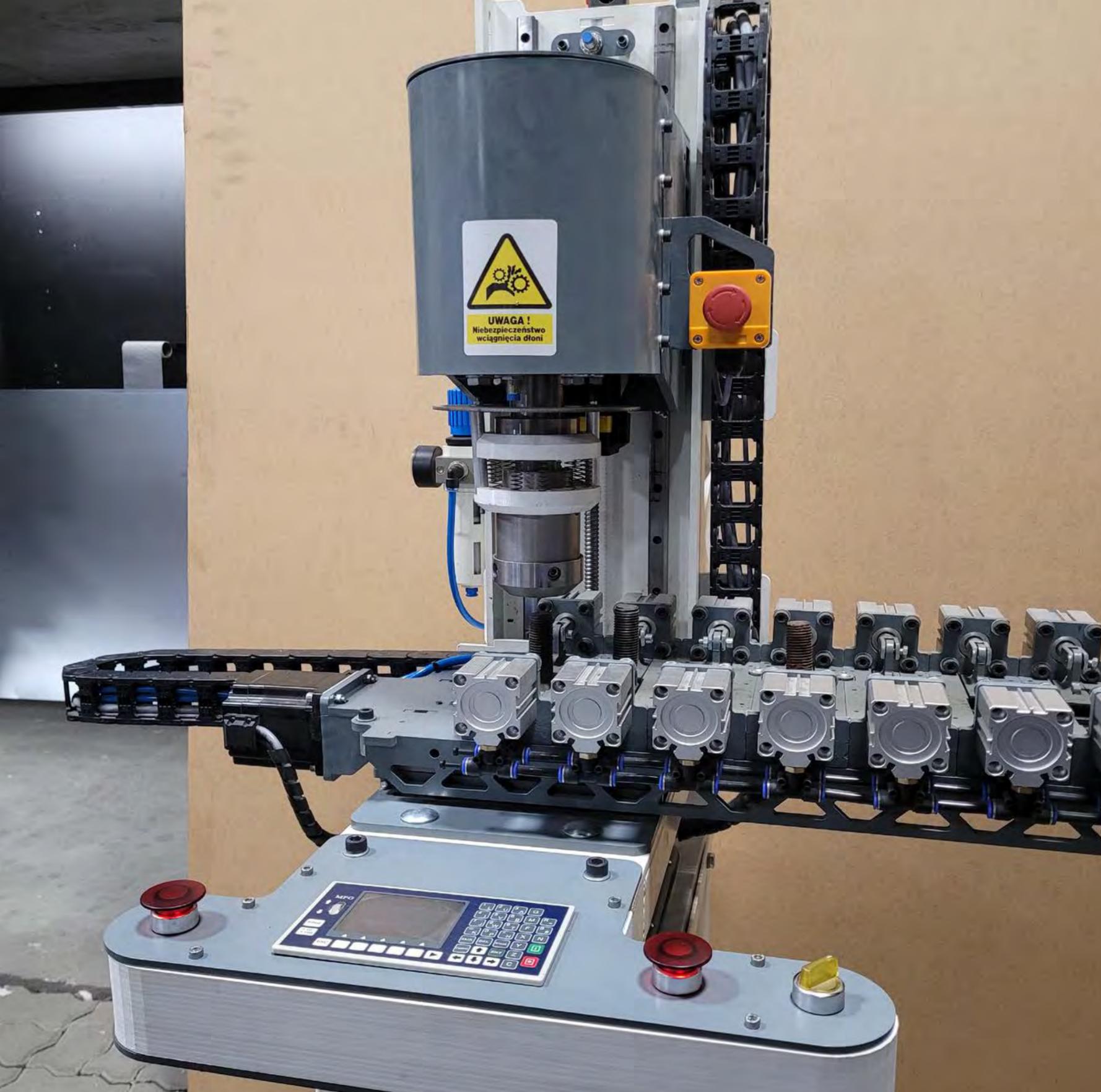


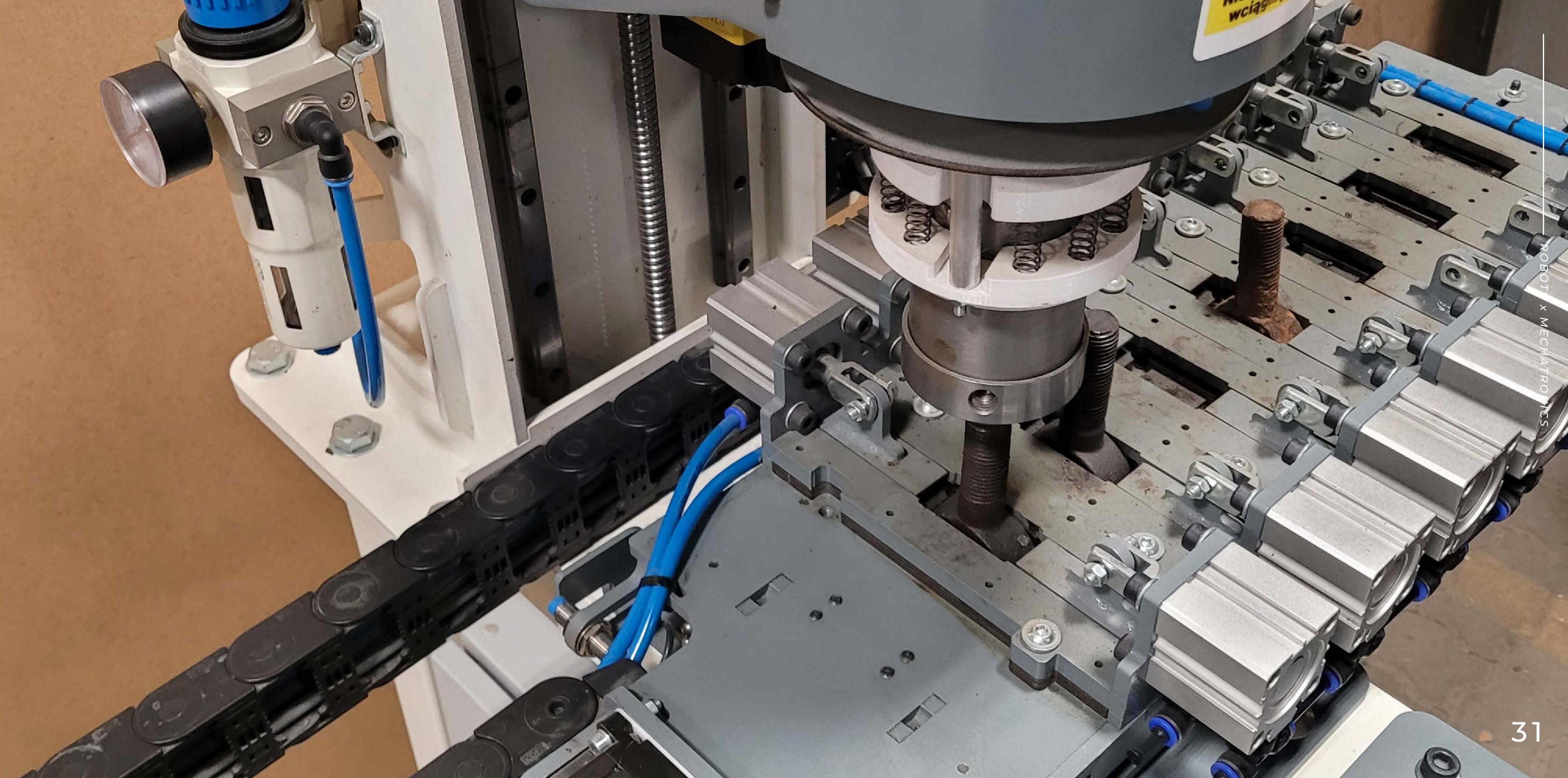
THREADING MACHINE

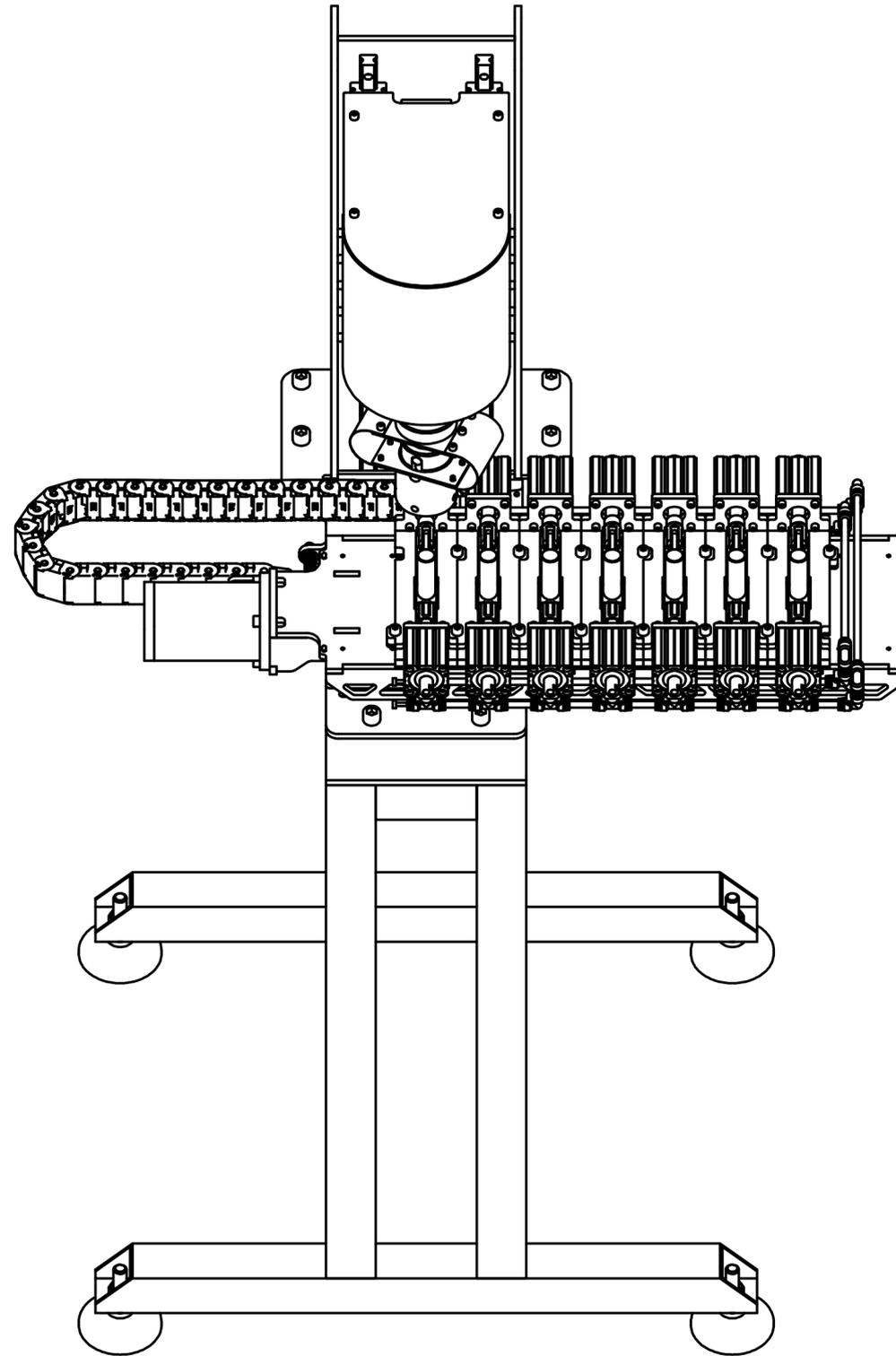
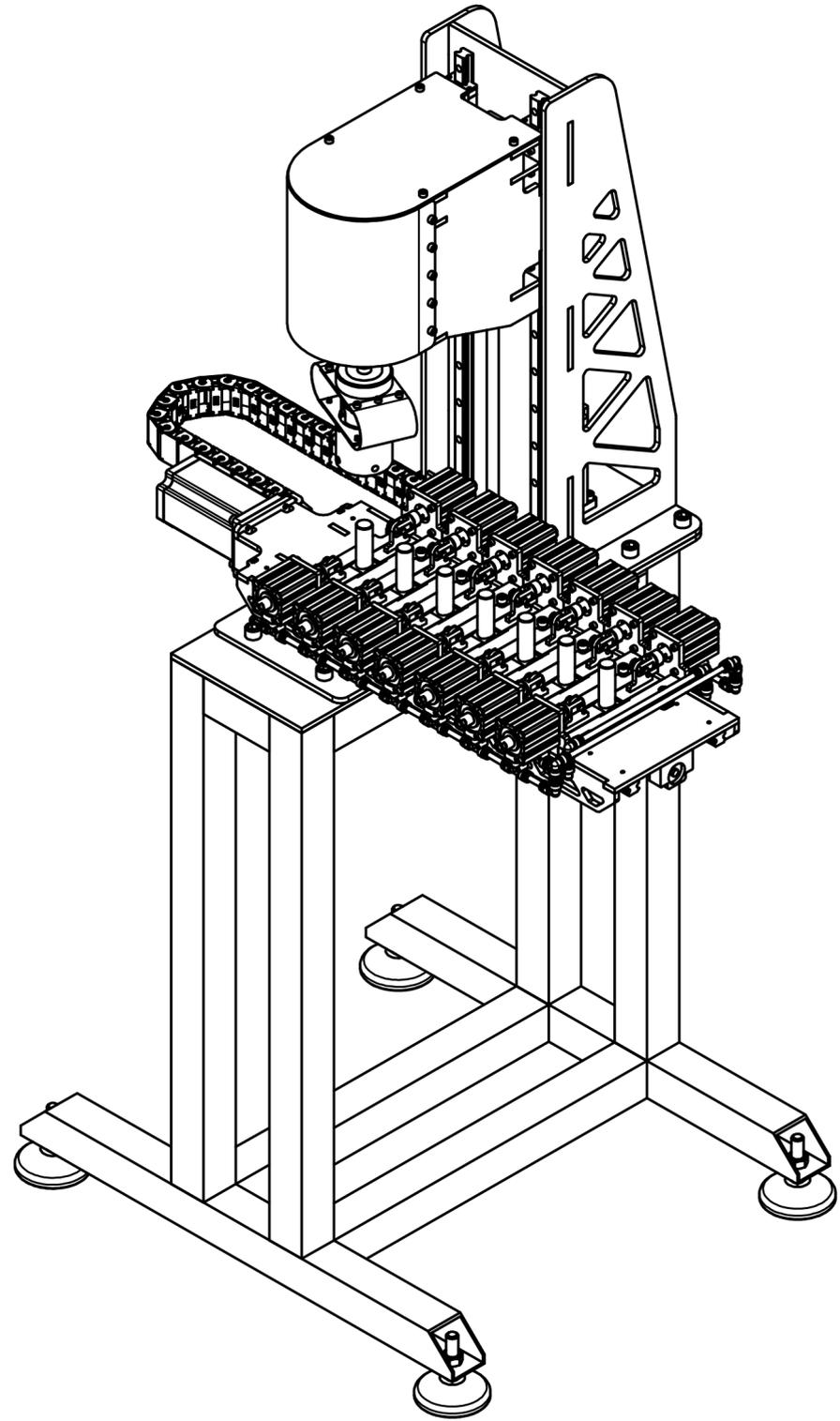
Custom-built for special customers needs
4-axis cnc machine for cutting steel elements
using a plasma source.

CLIENT:
TRANSMOT









PEX PRE-INSULATED PIPELINES

PRODUCTION

LINE



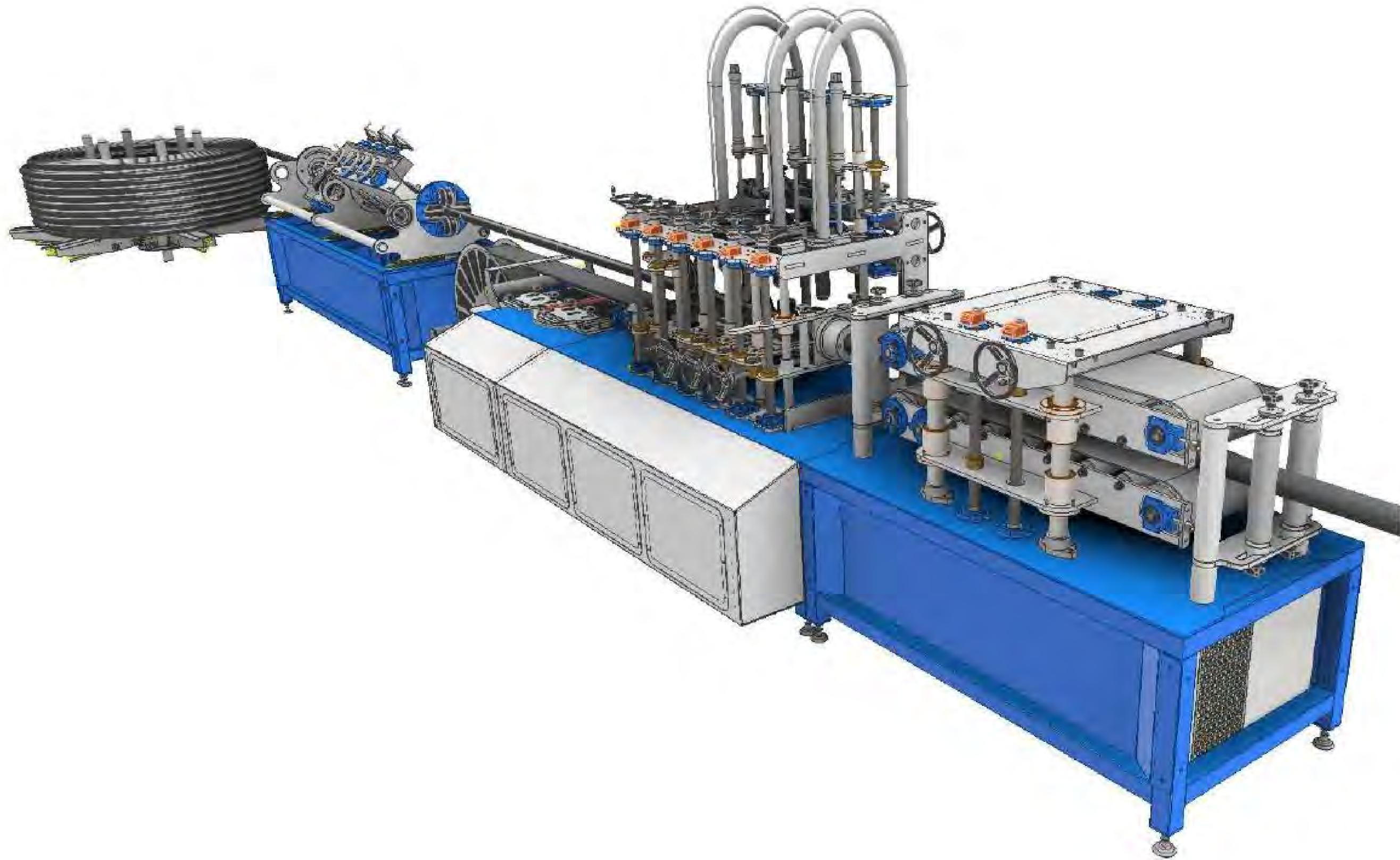
PRODUCTION LINE

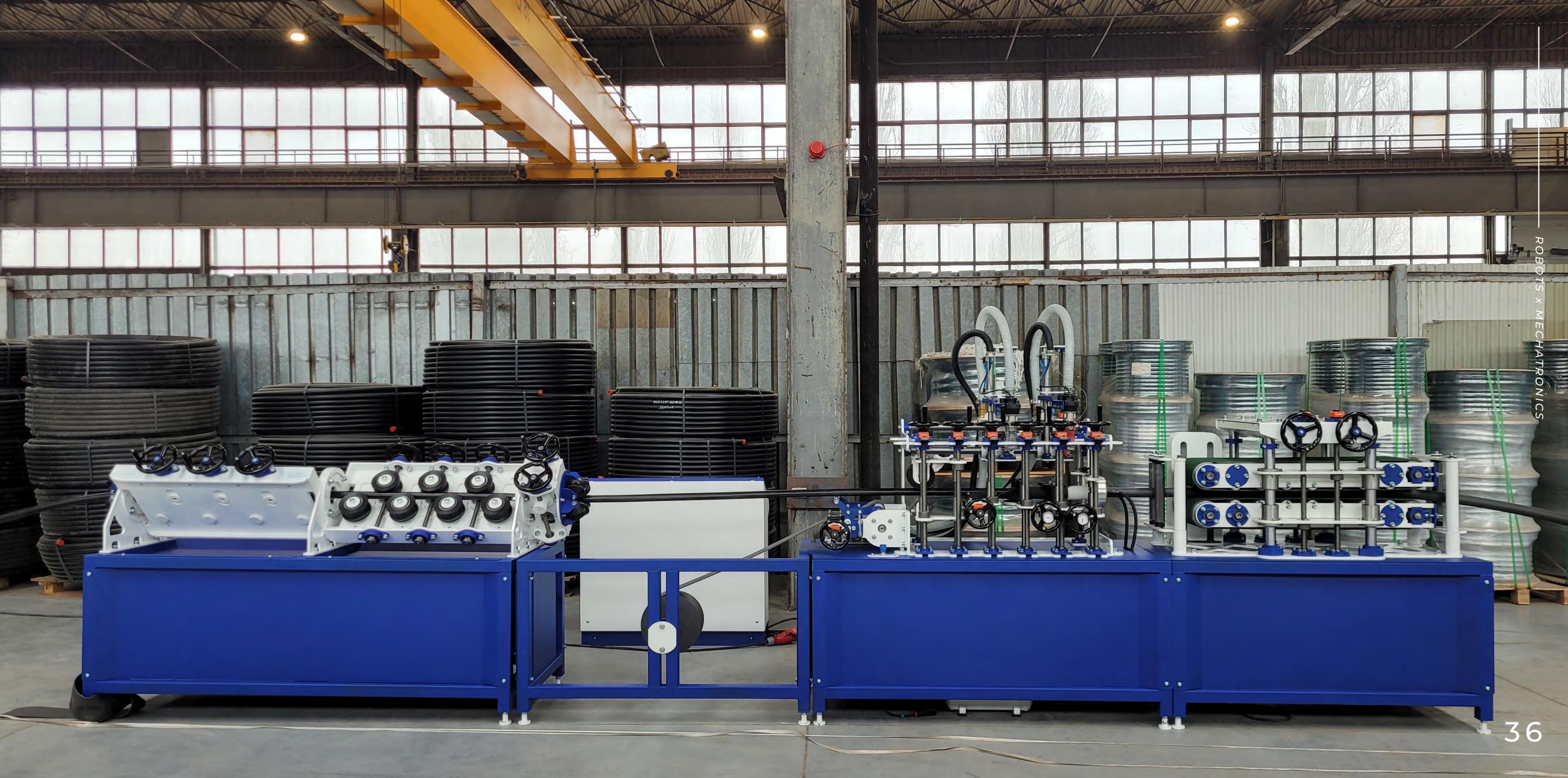
Production line built according to individual customer orders.

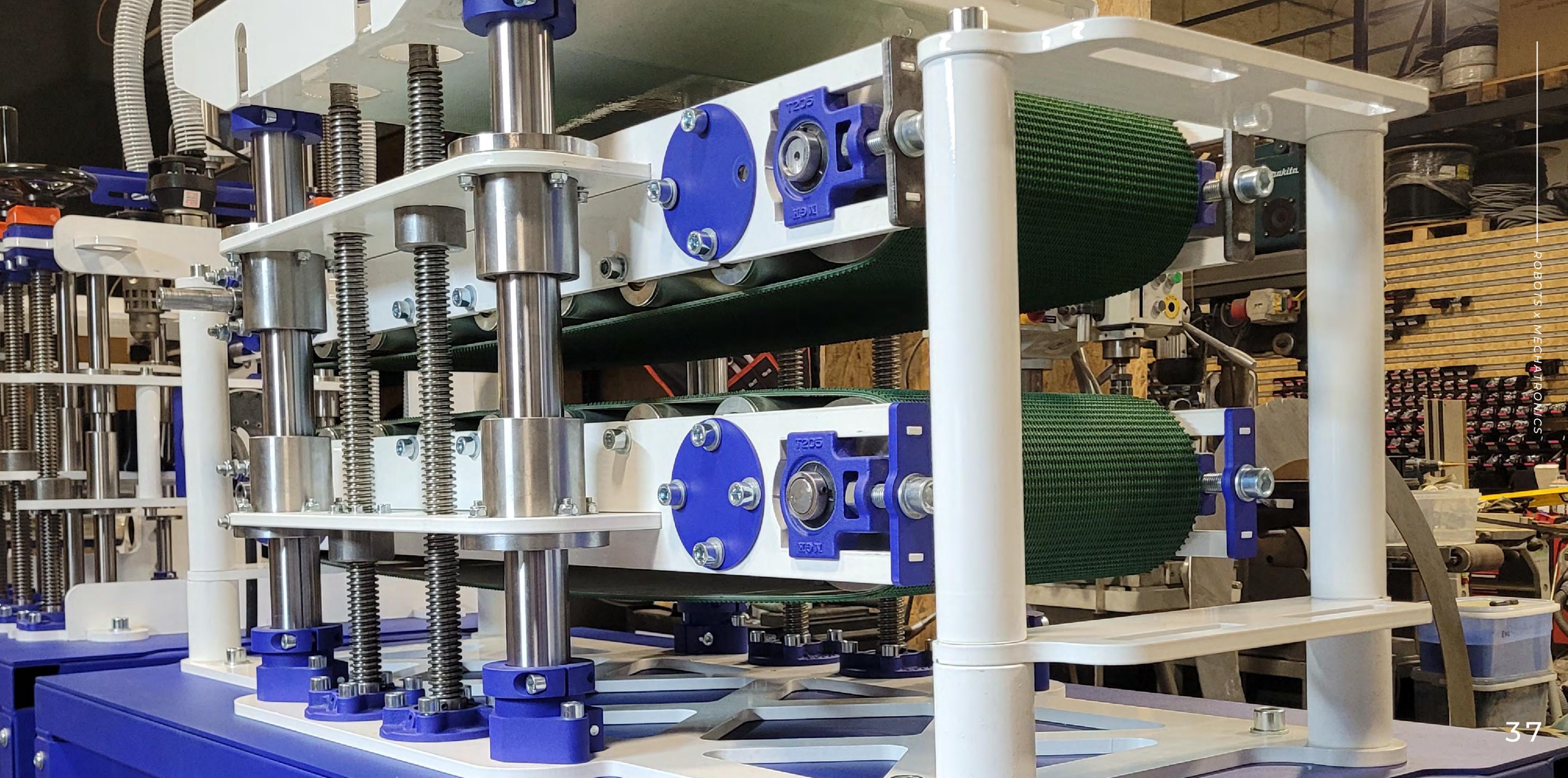
Thanks to the solutions used, the client was able to automate part of the production process.

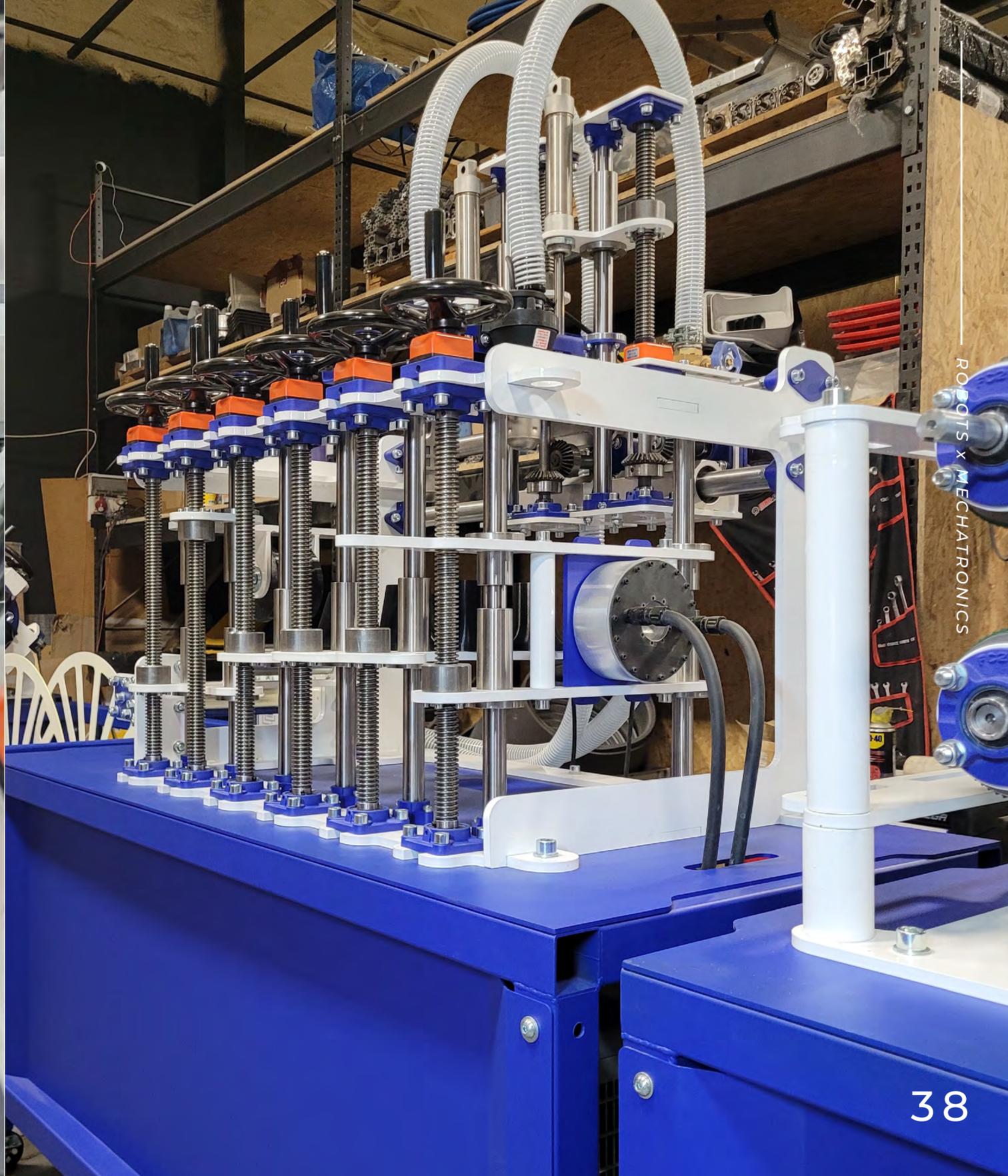
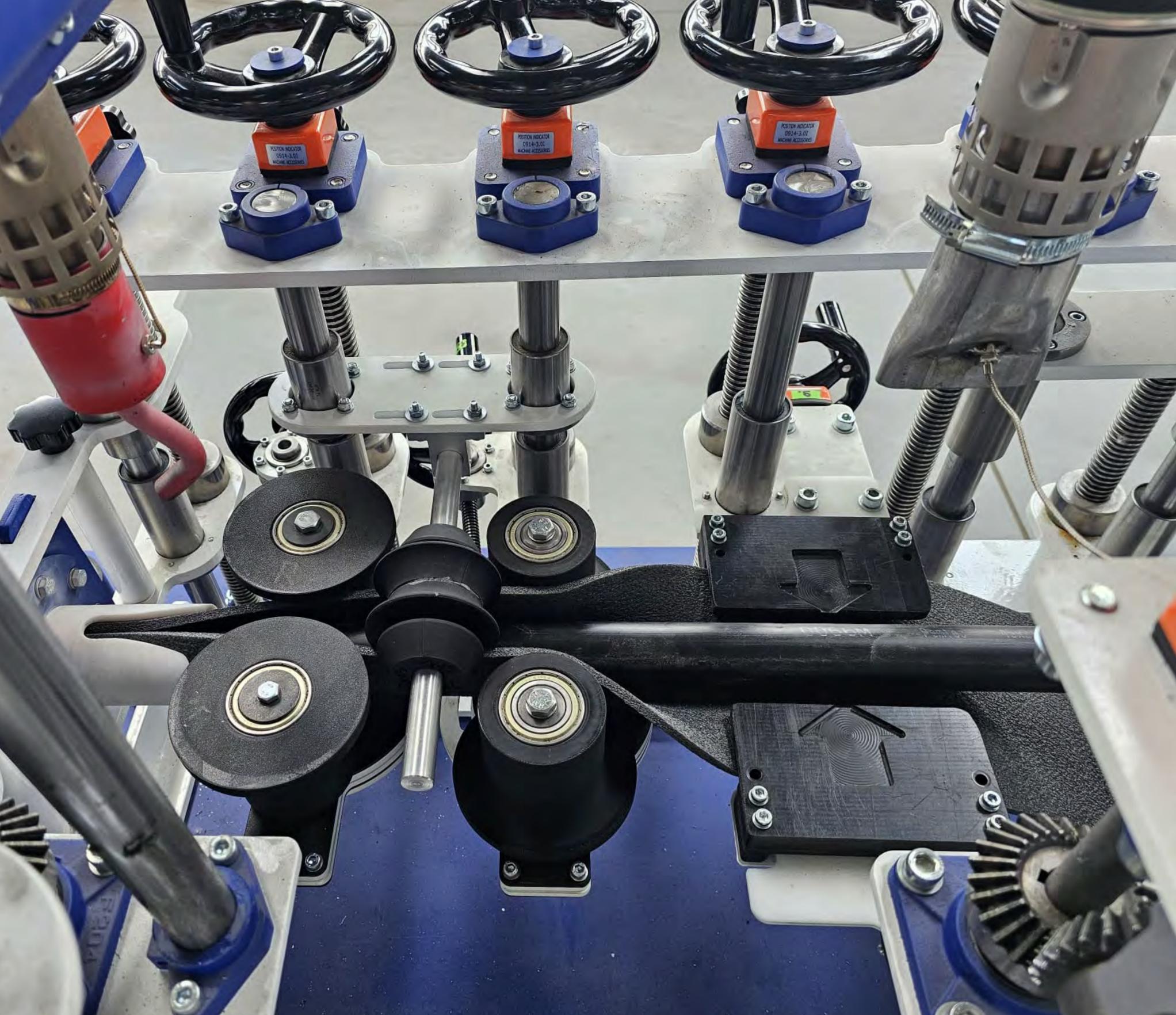
CLIENT:











ANIMATRONIC

DINOSAUR



ANIMATRONIC DINOSAUR

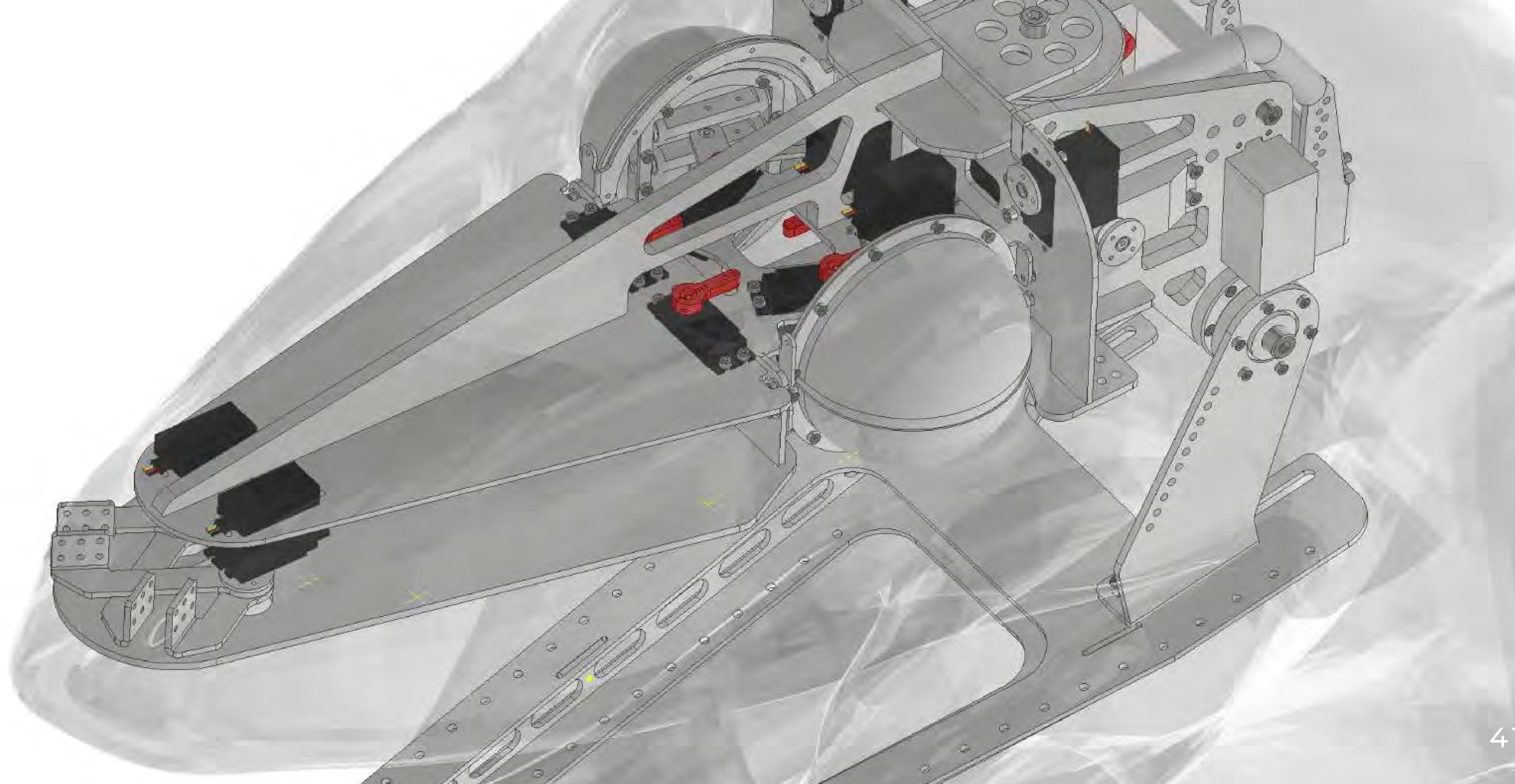
Installation created for the campaign promoting the premiere of the animated series Jurassic World on the Polish Netflix platform.

The egg was linked to a website where it counted down to hatching. In the meantime, programmed cracks appeared in the shell. The goal of the users was to guess the species of the dinosaur before it hatched.

CLIENT:

NETFLIX

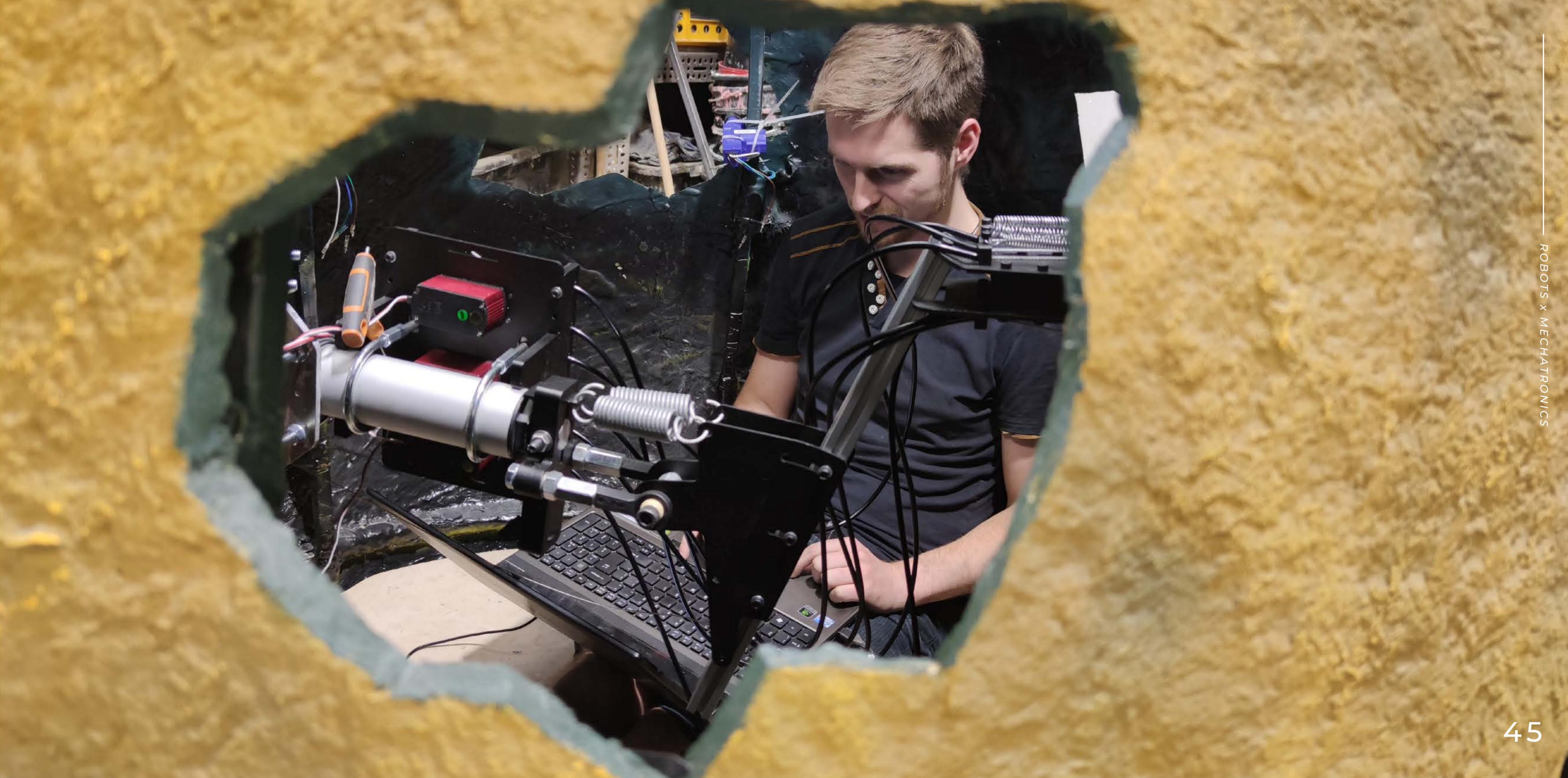
















DINOSAUR MAKING OF

VIDEO

CLICK



<https://www.youtube.com/watch?v=vHcpHxVo6I0>

MOTION CONTROL

SYSTEM **X**

ROBOT

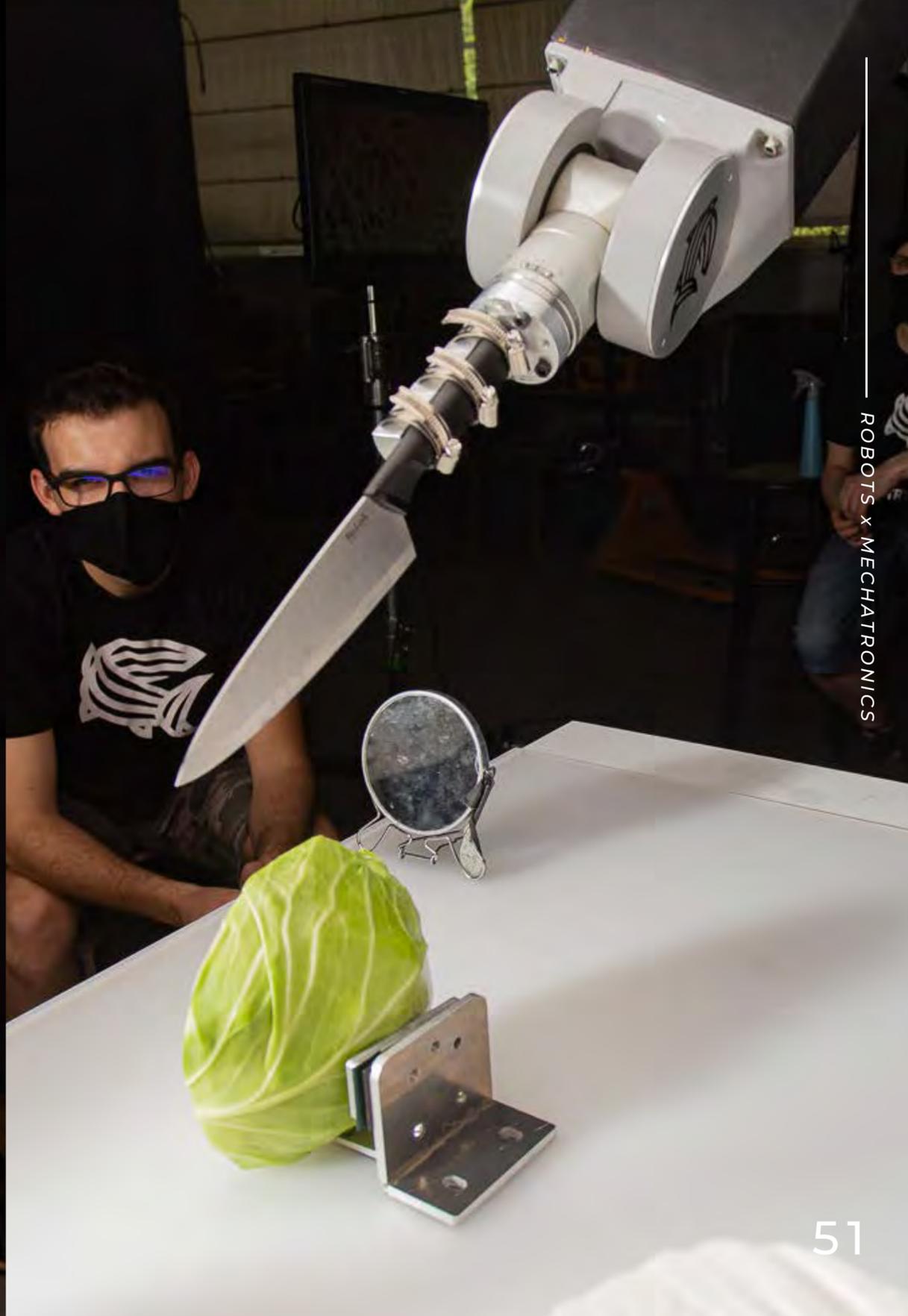


MOTION CONTROL SYSTEM X ROBOT

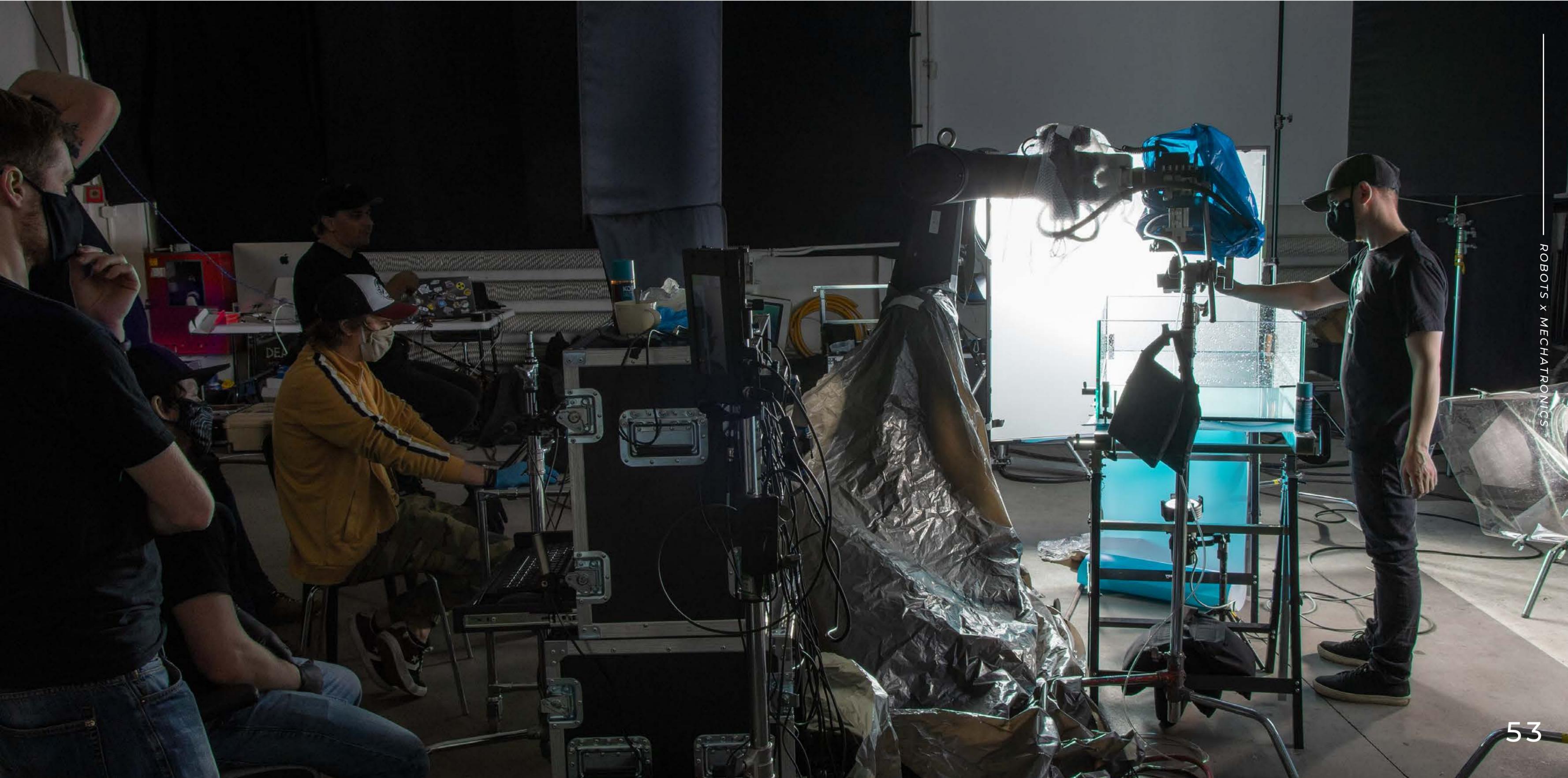
Black Brick is a system of motion control devices used for special effects on film sets. Thanks to the use of a complex communication system and proprietary software, it is characterized by high reliability, precision and repeatability. The prototype version of the system has been successfully used on film sets in Blackfish, shooting commercials for brands such as Orlen, Łomża, Nescafe and many others.















MOCO SYSTEM PROMO

VIDEO

CLICK



<https://youtu.be/SJAZpgZaJxl>

HIGH-END TURNTABLE

MOTOR

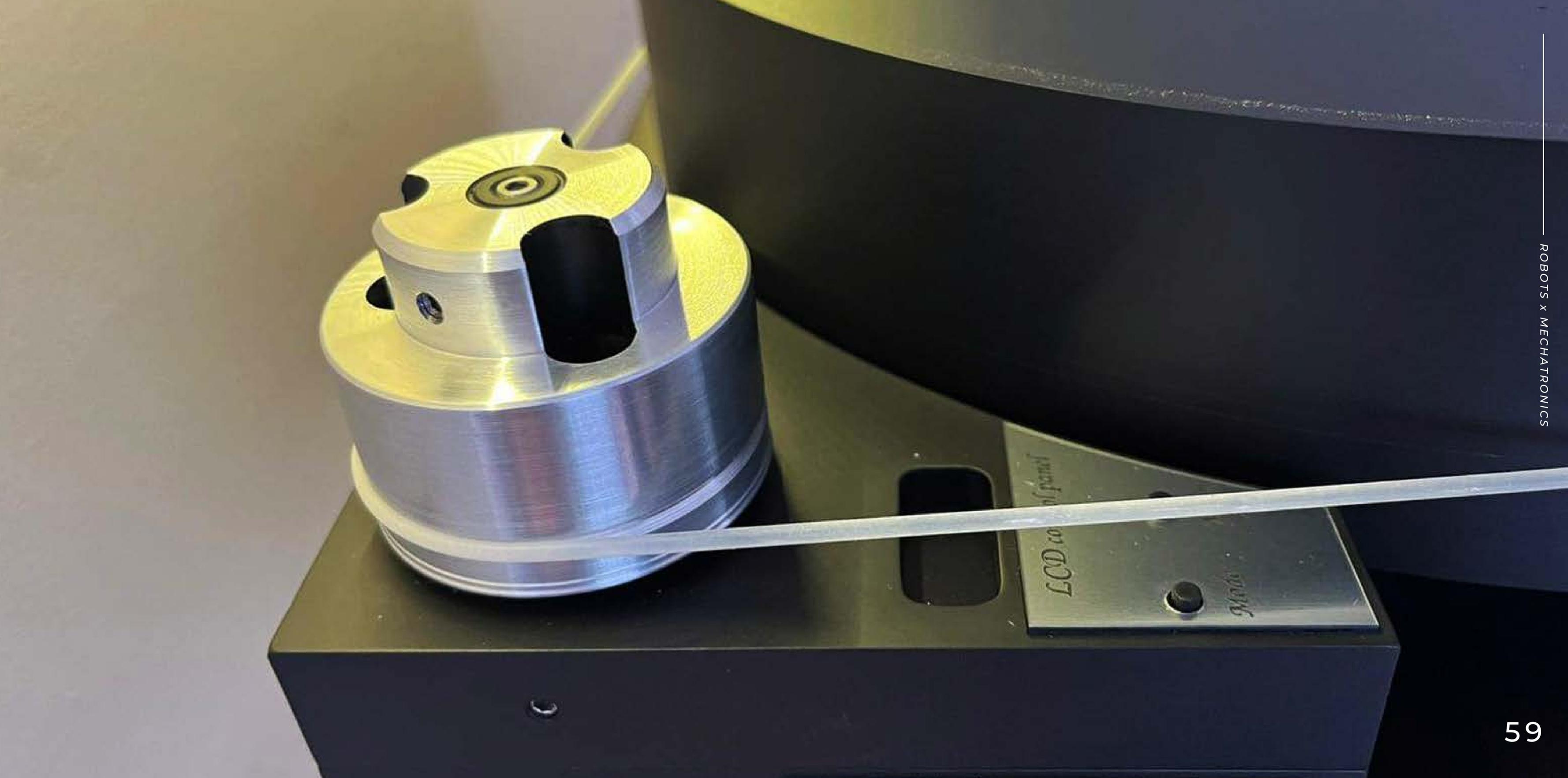


HIGH-END TURNTABLE MOTOR

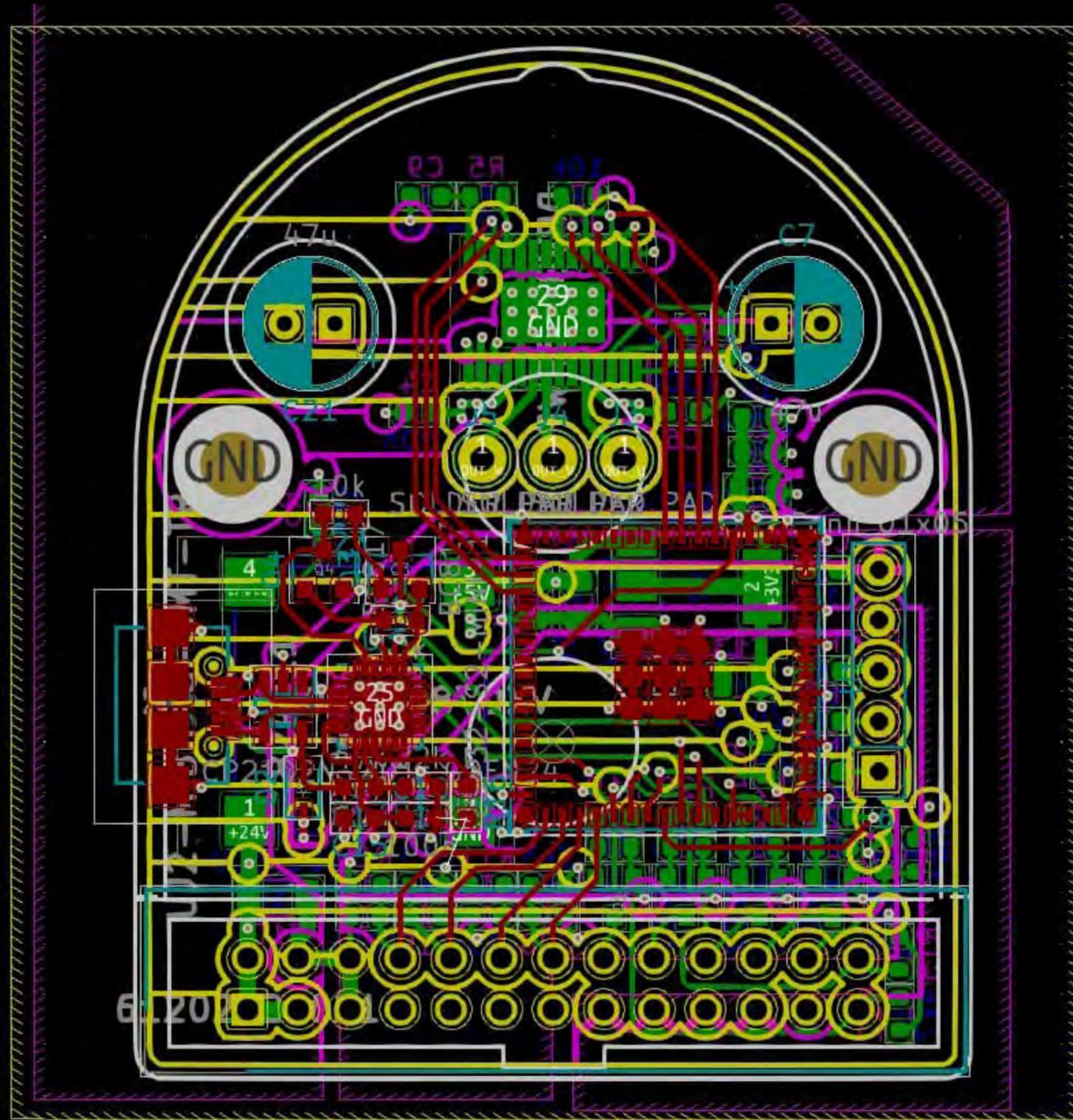
A high-precision motor for high-end turntables with a proprietary desktop application that allows audiophiles to individually calibrate the motor. The electronics has been designed in such a way that the customer has the possibility of any connection with various types of displays and switches.

CLIENT:

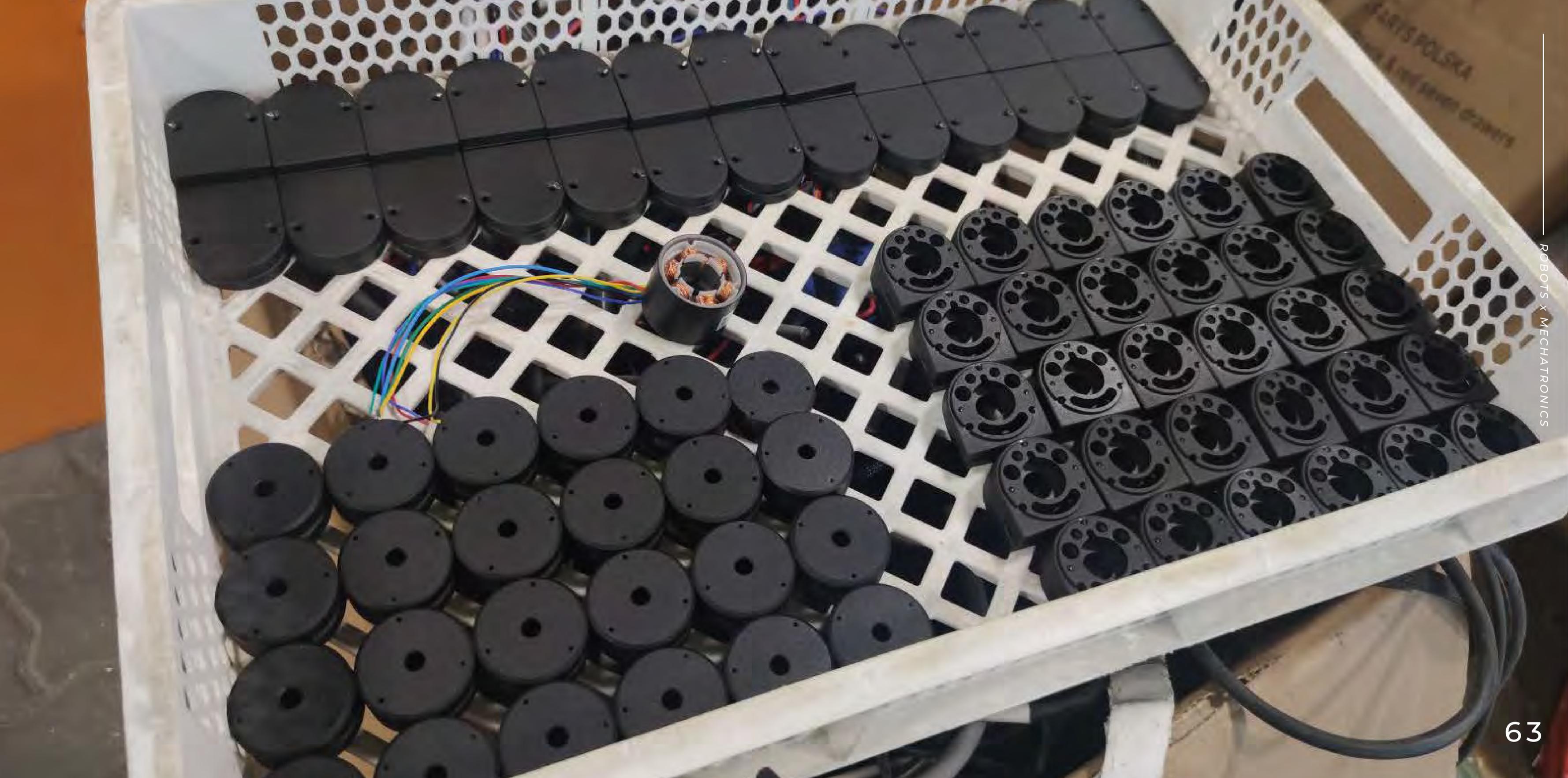














THE HATCHLING

SOUND SYSTEM



THE HATCHLING SOUND SYSTEM

Installation created for the campaign promoting the premiere of the animated series Jurassic World on the Polish Netflix platform.

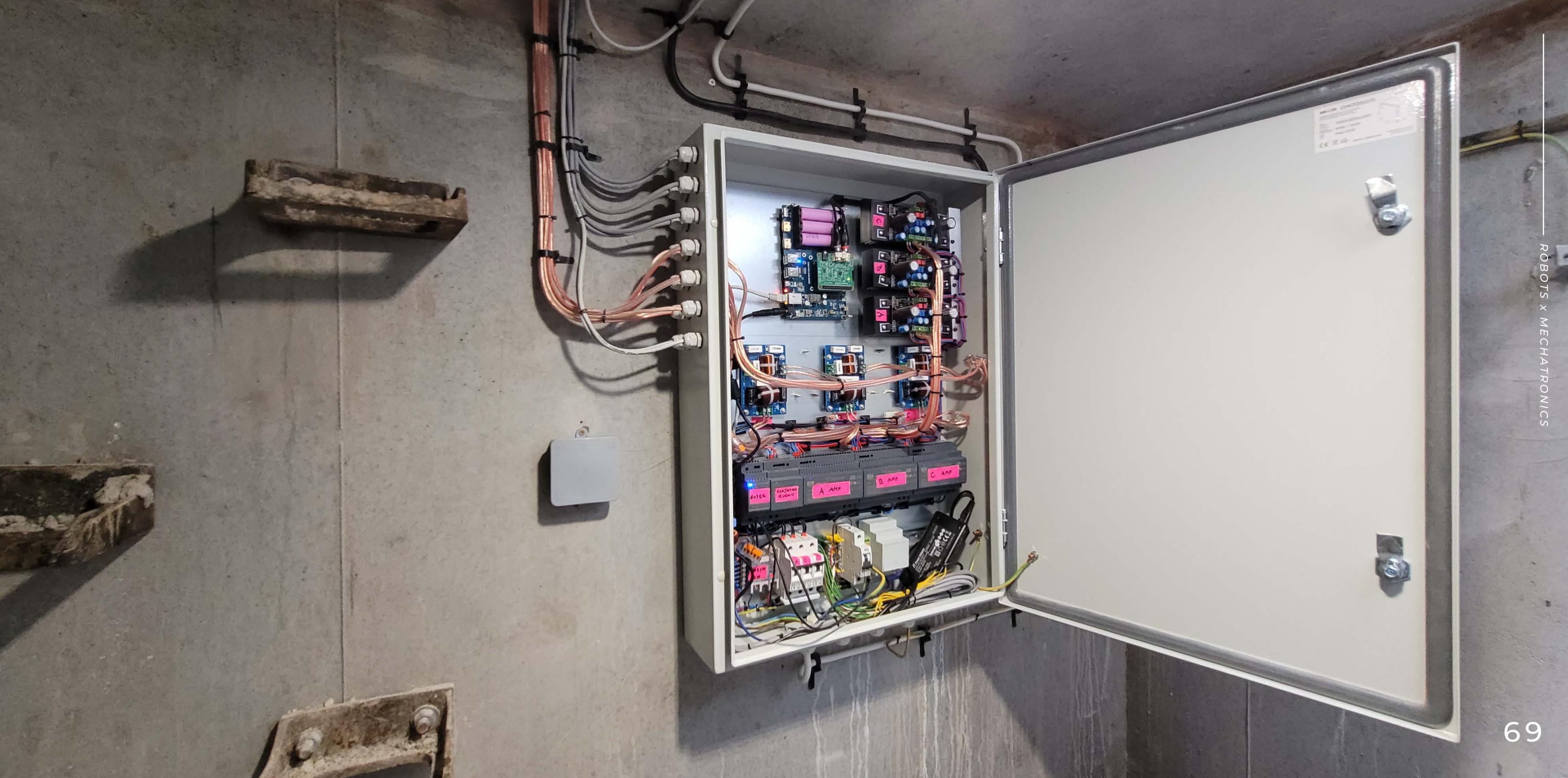
The egg was linked to a website where it counted down to hatching. In the meantime, programmed cracks appeared in the shell. The goal of the users was to guess the species of the dinosaur before it hatched.

CLIENT:

Joanna Rajkowska
Visual Artist











COGITEON MUSEUM

EXHIBITION

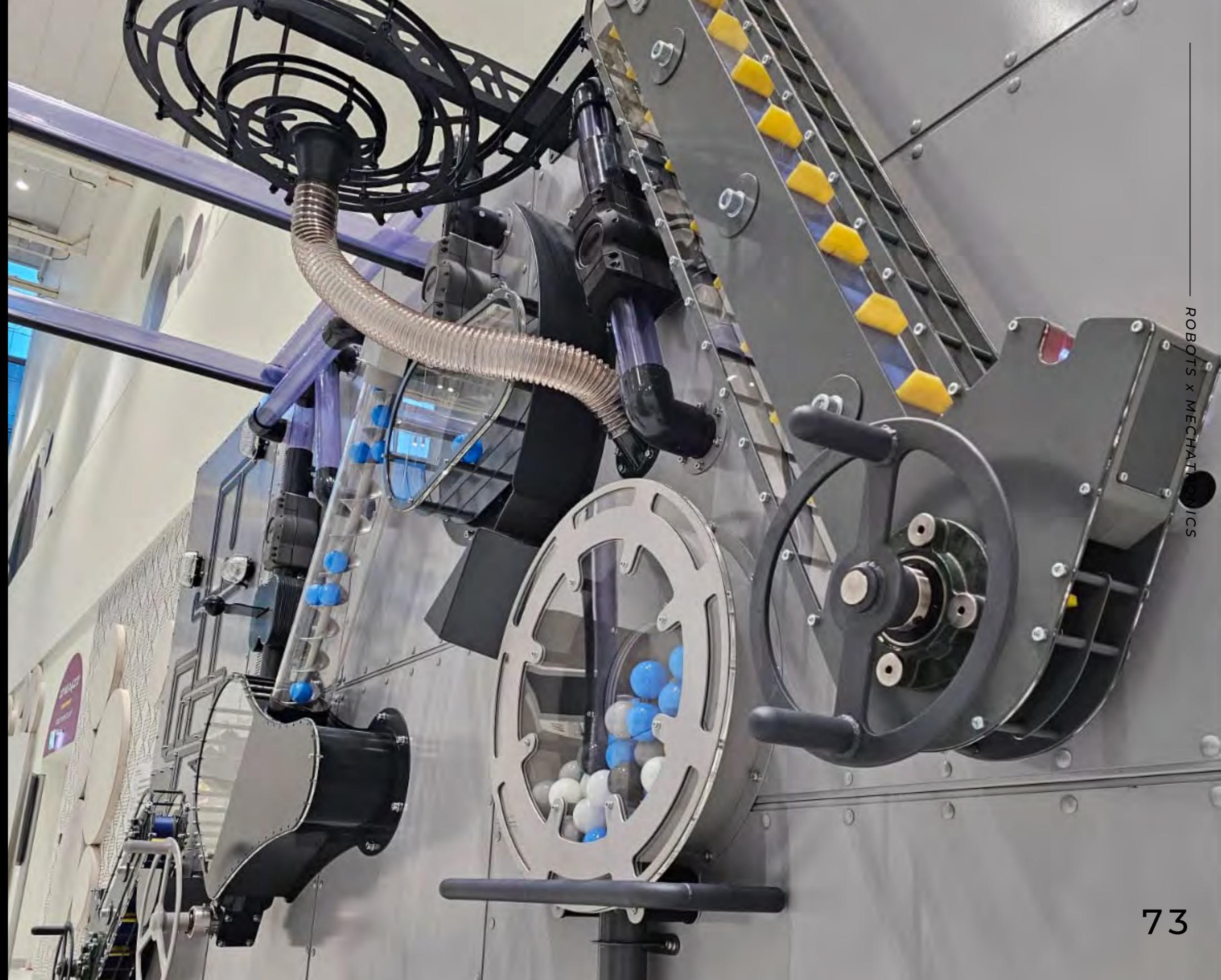


PHOTOSYNTHESIS PROCES EXHIBIT

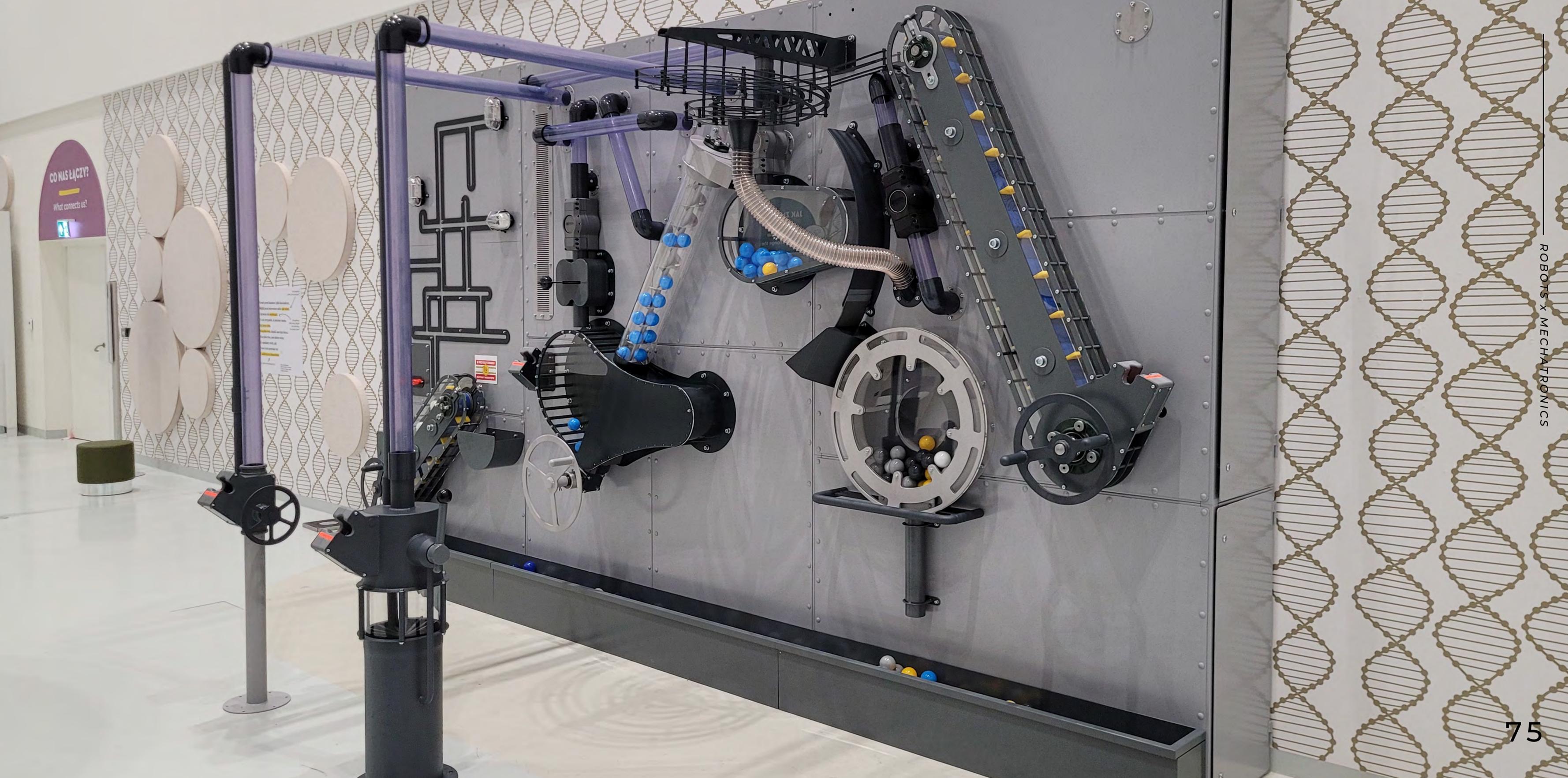
An exhibit created for the interactive exhibition at the COGITEON science center located in Cracow. The exhibit explains the process of photosynthesis based on the industrial form of the Goldberg machine.

The exhibit uses pneumatic valves and actuators, as well as a pressure pump.

CLIENT:







CO NAS ŁĄCZY?
What connects us?

ROBOTS x MECHATRONICS



COGITO'S DRILLING CAPSULE

A drilling capsule that takes users on a journey deep into the earth through its layers. We built an entire capsule, dedicated two-axis seats and special pedals with adjustable resistance.

CLIENT:







FERTILIZATION PROCESS PINBALL MACHINE

The fertilization process explained in the form of a game. Classic mechanisms from pinball machines were used, combined with dedicated mechanisms and our own electronics.

CLIENT:





Zapłodnienie. Jak to się dzieje?
Fertilisation. How does it happen?

Wredniawia urozmaicony model
procesu zapłodnienia w organach
mężczyzny.

W do chwili, kiedy
nie jest jeszcze, każdy
z nich posiada w sobie
kilkadziesiąt tysięcy w tym
rodzaju, który jest
zawieszony w ciele
matki. Kiedy jest
zawieszony w ciele
matki, jest on
zawieszony w ciele
matki. Kiedy jest
zawieszony w ciele
matki, jest on
zawieszony w ciele
matki.

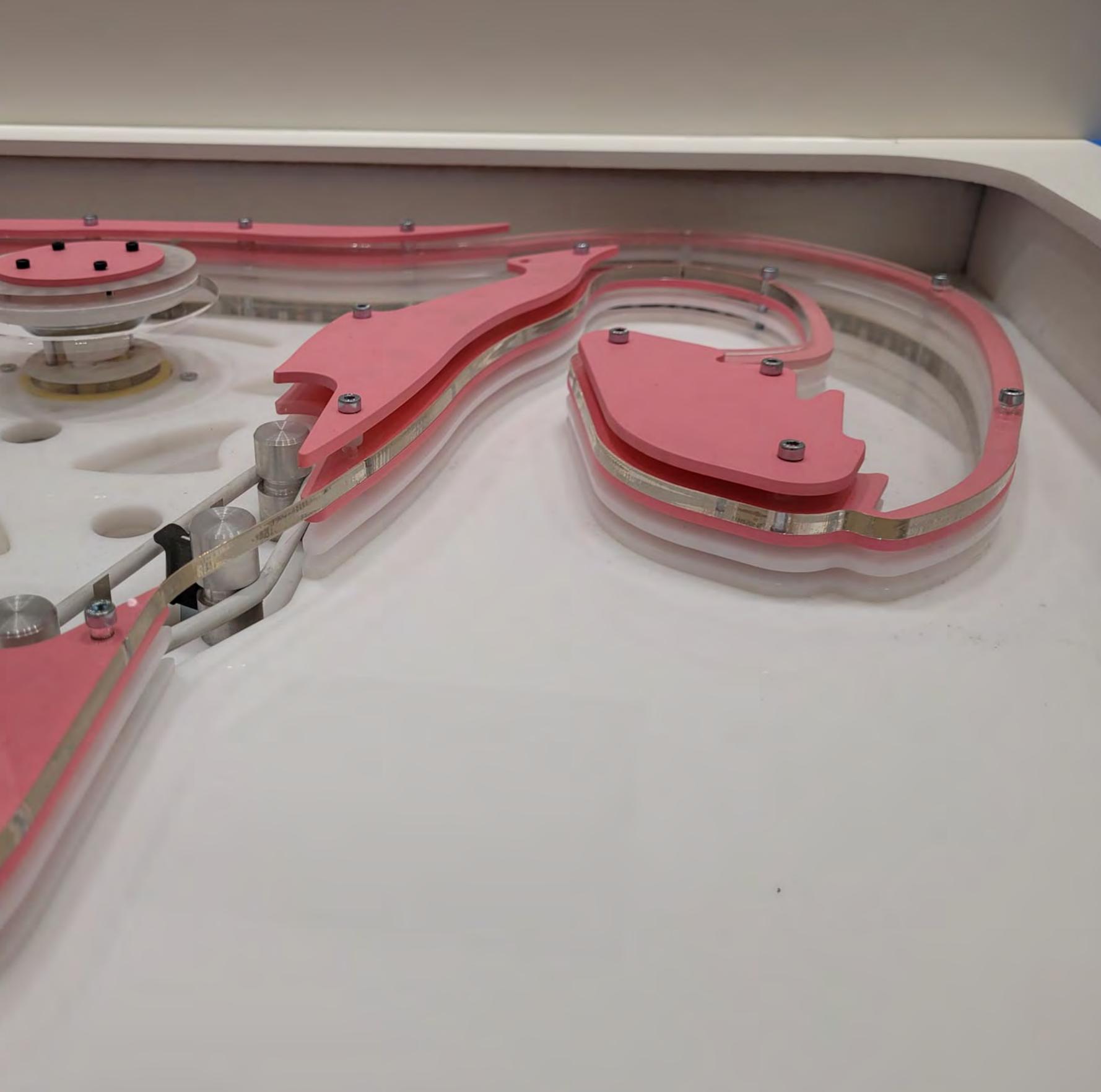
Kolejne fazy wnikania plemnika do komórki jajowej
Subsequent phases of sperm cell entering the egg

→ Kierunek przemieszczania
plemnika w kierunku komórki
jajowej.

→ Kierunek przemieszczania
plemnika w kierunku komórki
jajowej.

O co chodzi z tym dojrzewaniem?
What is maturation about?

PERIPHERONIA





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