Assembly instructions: motor holder

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Overview testbed

- Upper plattform
- Silicon cylinder
- Slilicon connection plate
- Center pulleys
- Distance spacer
- Frame with acrylic glass
- Pulley swing
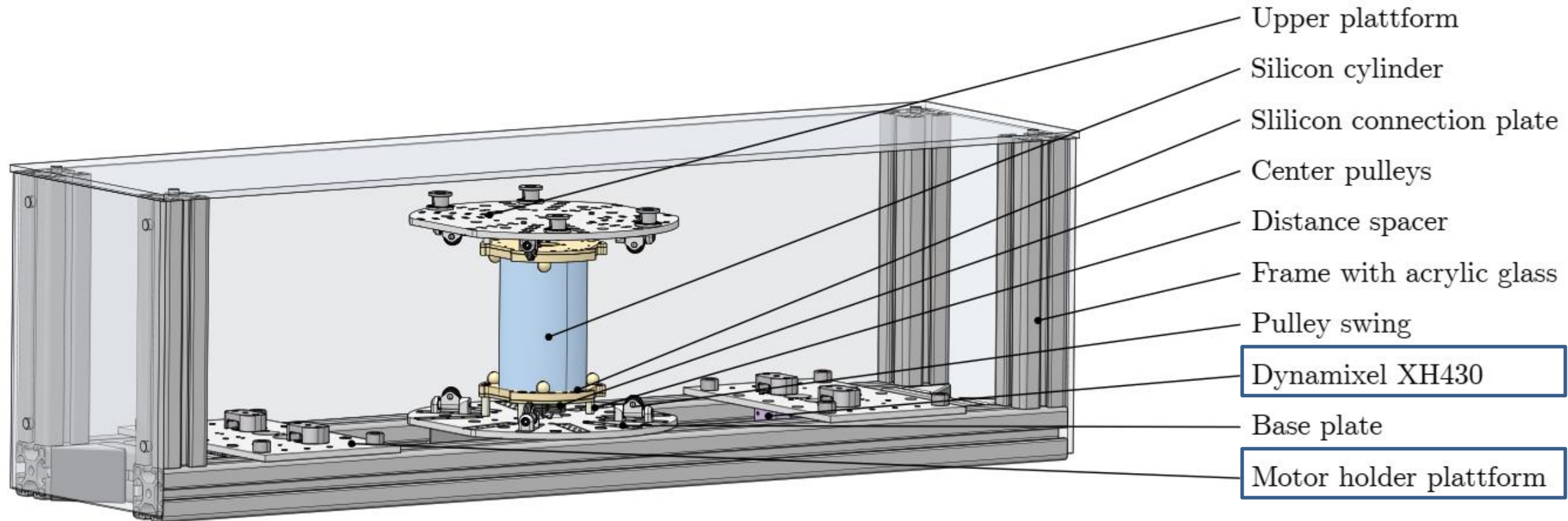- Dynamixel XH430
- Base plate
- Motor holder plattform

Fig. 2: Overview of the proposed open source tendon-driven continuum mechanism with all involved components.
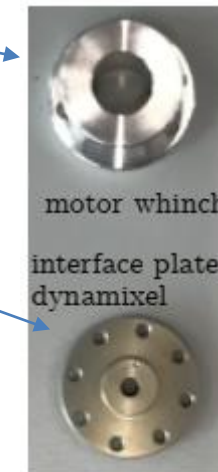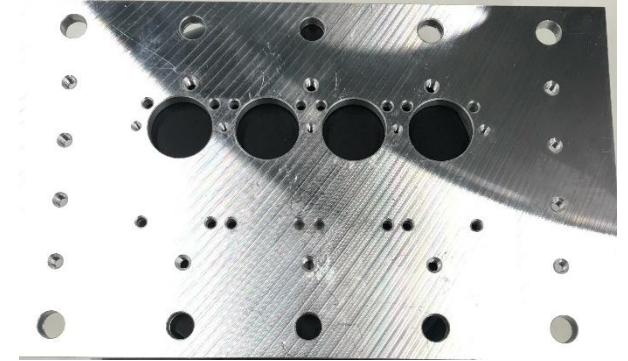
Components

Manufacturing parts

- 2x motor holder plater (DV_NECK_DFG_ACTORS_PLATE)
- n_t tendon whinches

Off-the-shelf parts:

- n_t Dynamixel motors with interface plate
- 4*n_t x screw (spec?) (mount dynamixel on holder)
- 4*n_t x screw (spec?) (mount whinch on dynamixel interface plate)
- N_t x screw (spec) (mount interface plate on dynamixel output shaft

Tools:

- Allenkey

motor whinch

interface plate
dynamixel

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Instructions:

- Mount each of the n_t whinches onto the dynamixel interface plate

- Connect with a screw each dynamixel interface plate with the output shaft of a dynamixel motor

- Mount each of the n_t dynamixel motor with 4 screws (spec) to the actuator plate