

TELEOPERATED ROBOT ARM

Environment variability

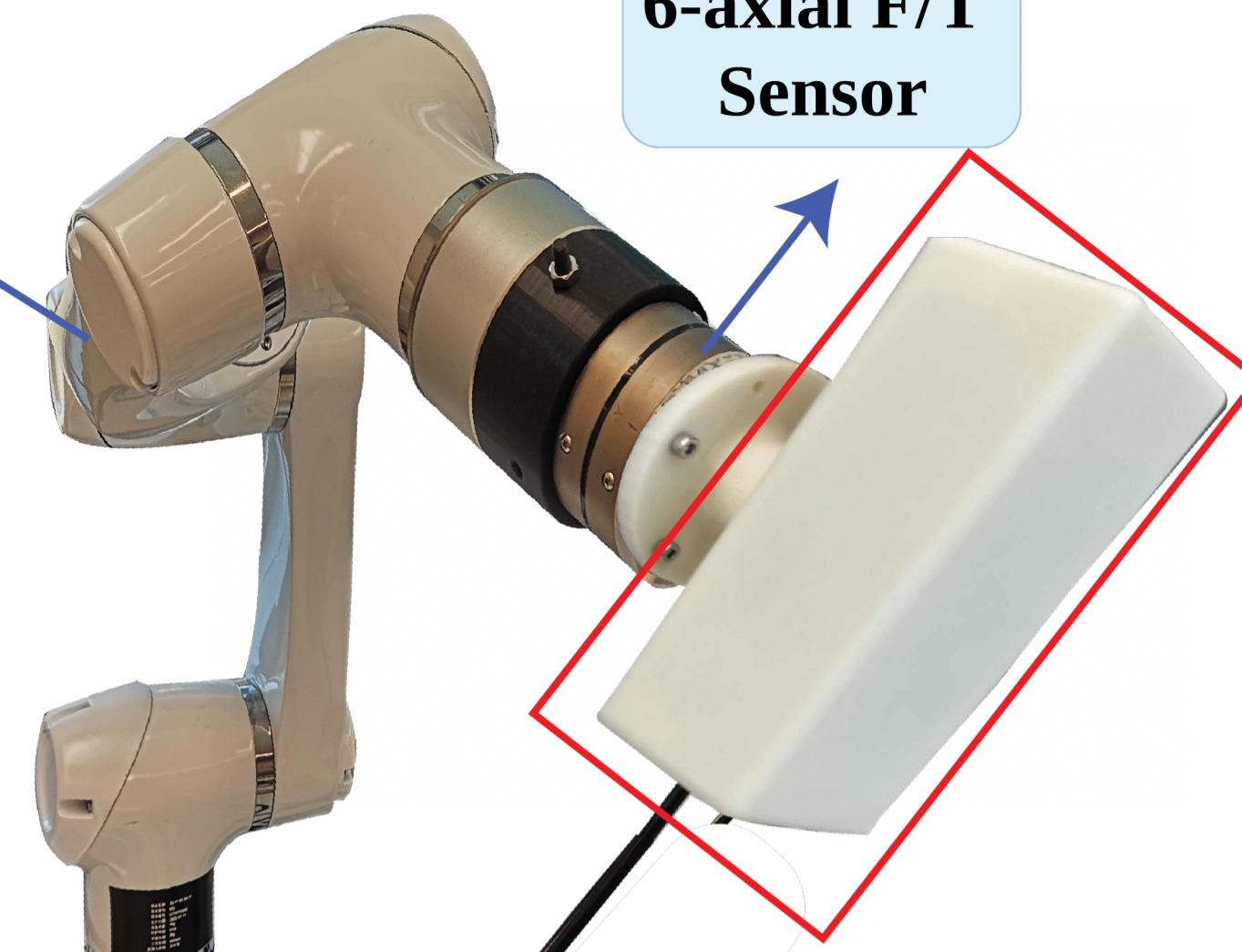
Silicone type (Stiffness)



Phantom structure

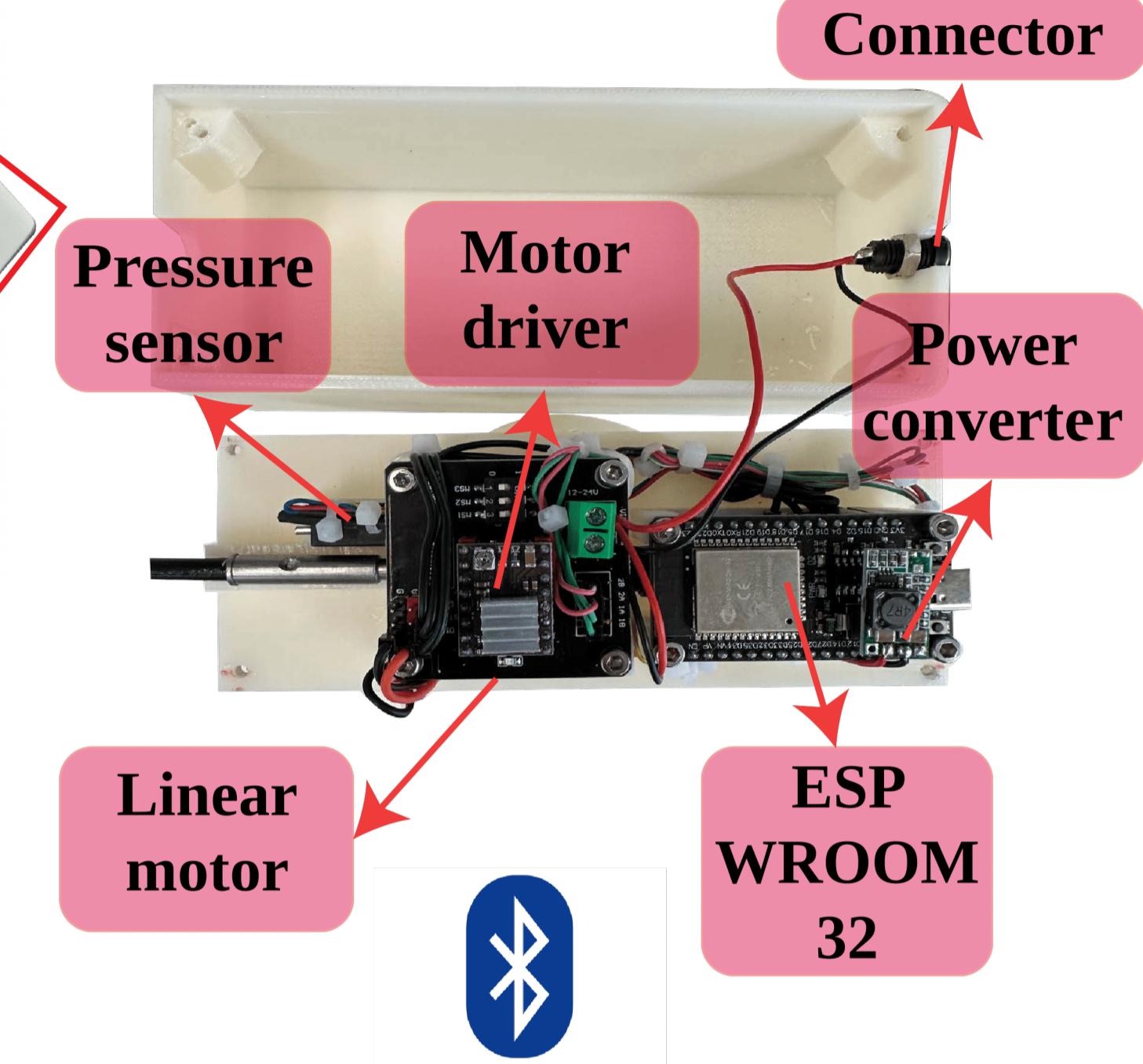


Elfin 3
Robot arm



6-axis F/T
Sensor

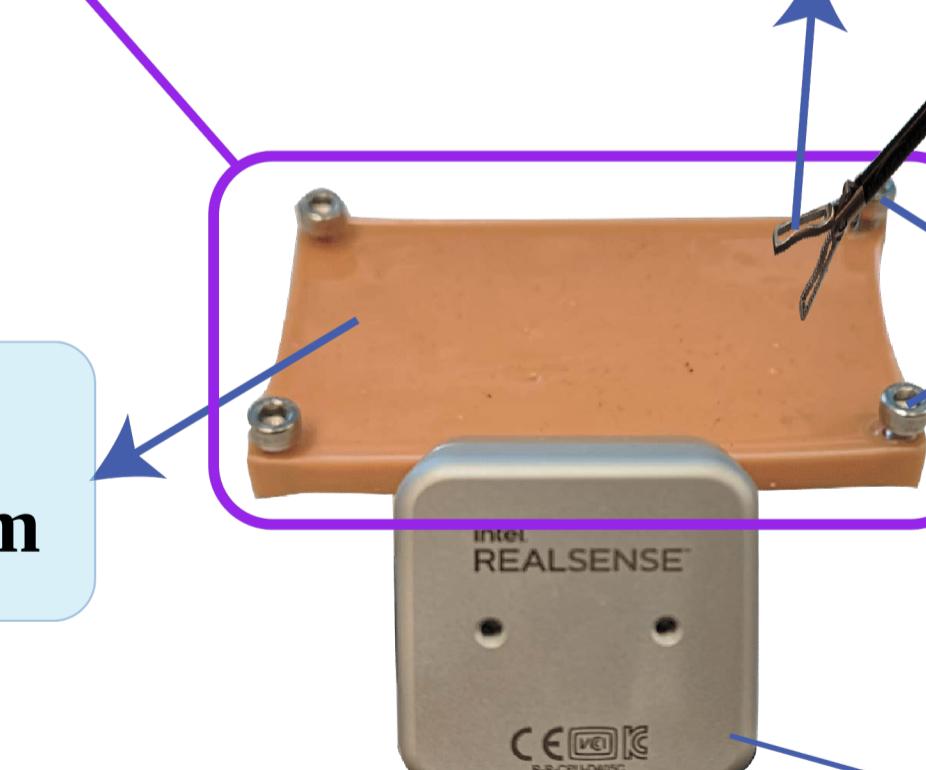
FORCEPS CONTROLLER



Linear
motor

ESP
WROOM
32

Soft tissue
silicone phantom



Forceps
grasper

Fixing
screws

RealSense
Camera

Laparoscopic
forceps

TouchX
Haptic Device

MASTER DEVICE



Forceps
handle