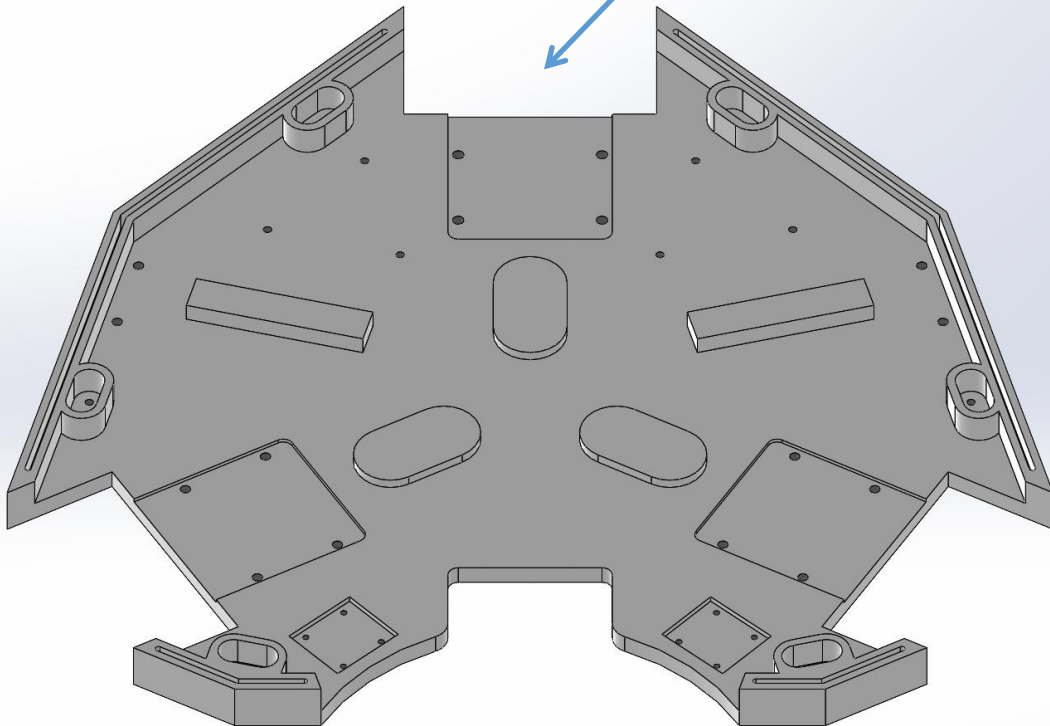


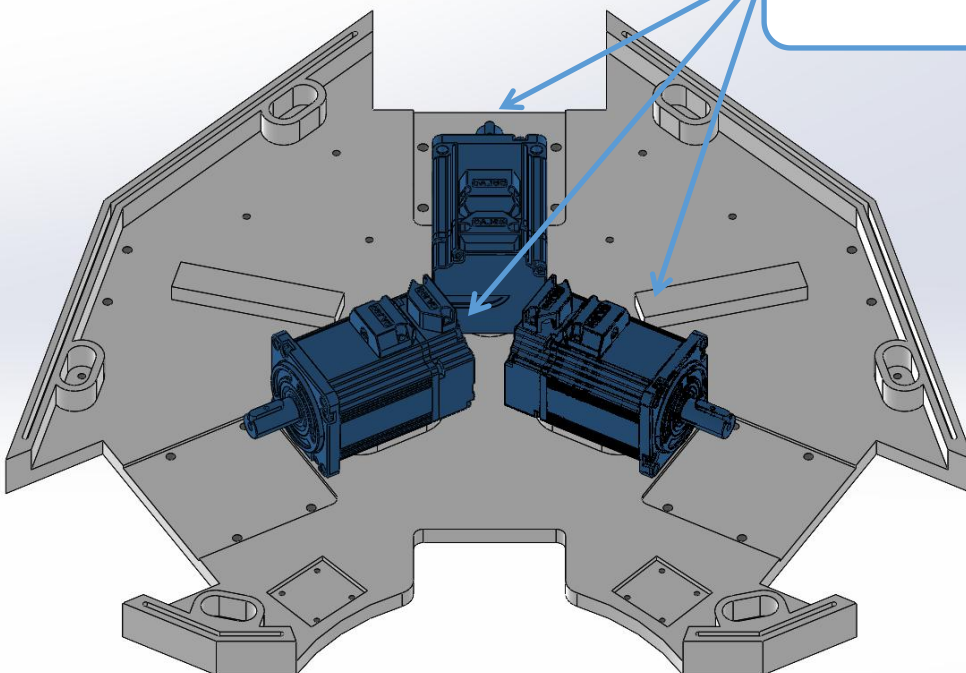
BigHeroX

Mechanical structure
description

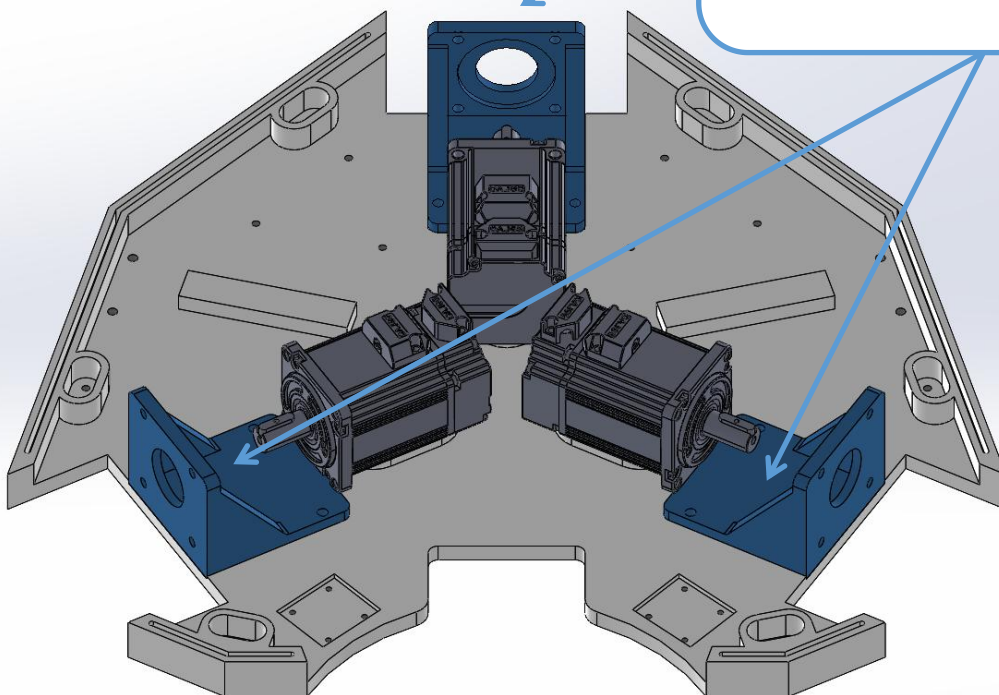
**10mm thick aluminum
chassis**



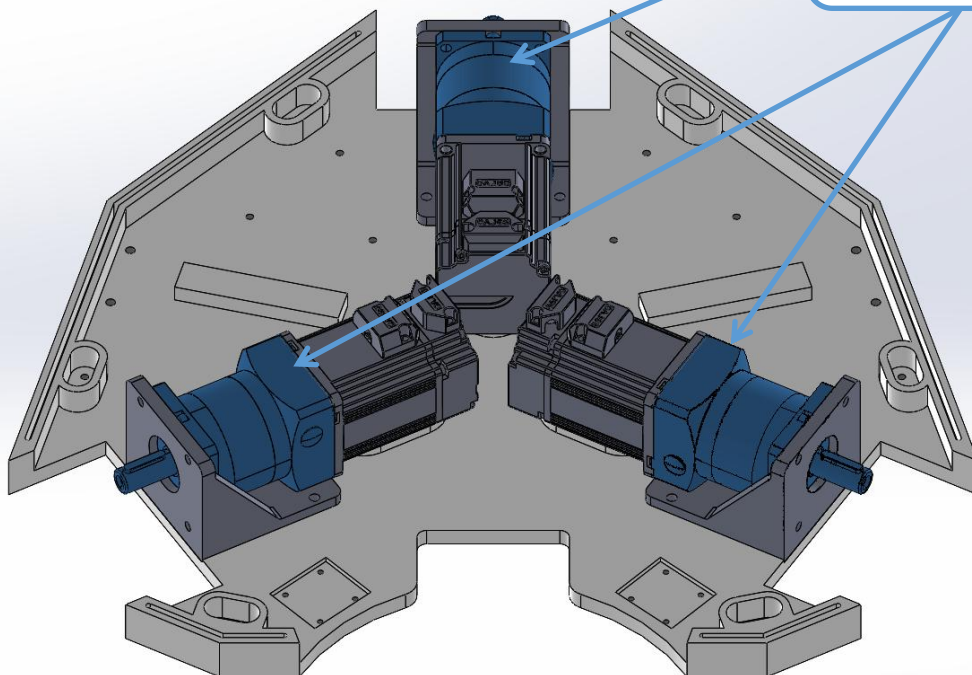
Electric motor



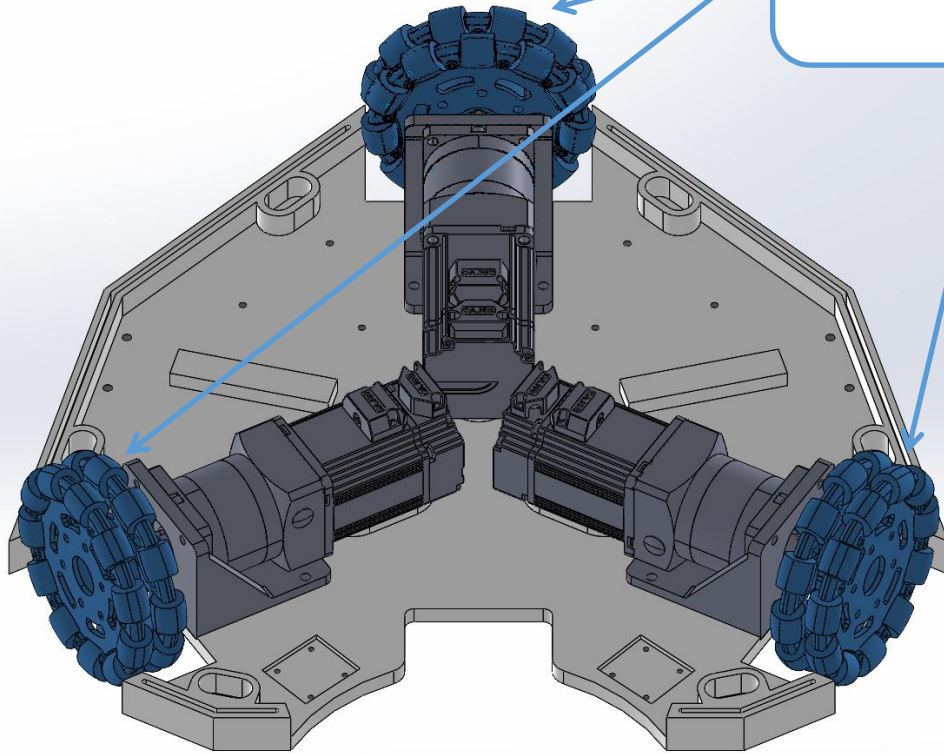
**The connection structure
between the
Reducer and the chassis**



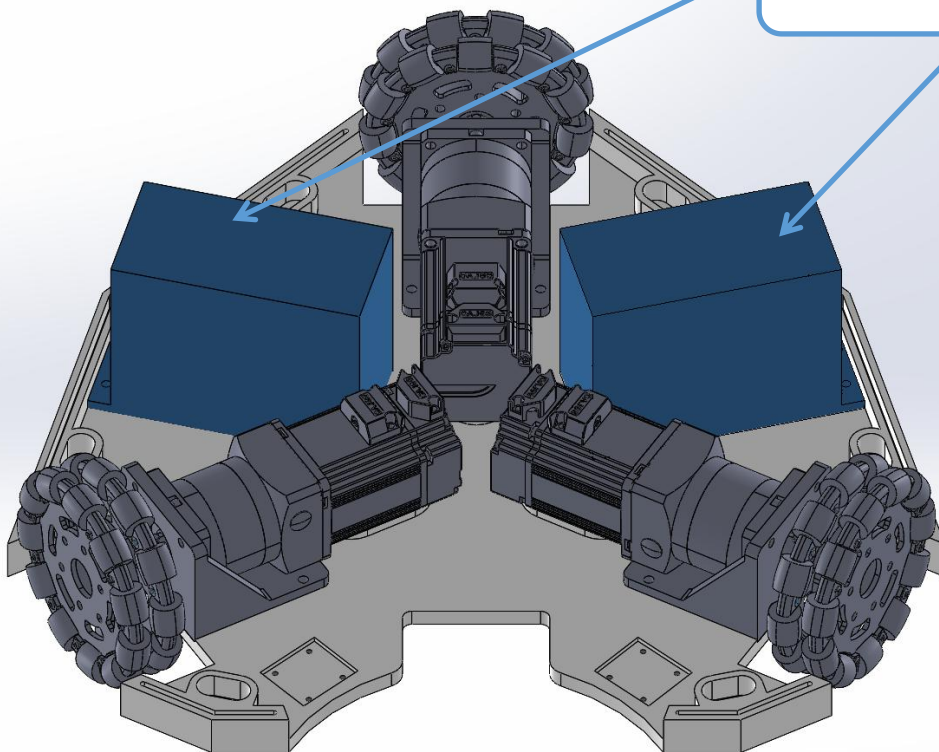
Reducer



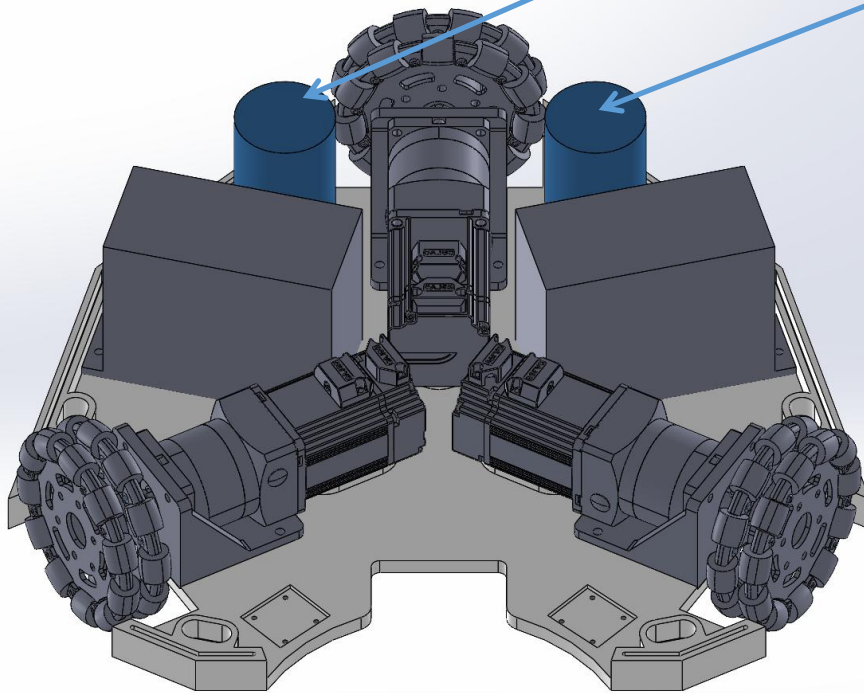
**127mm
omnidirectional wheel**



60V power battery

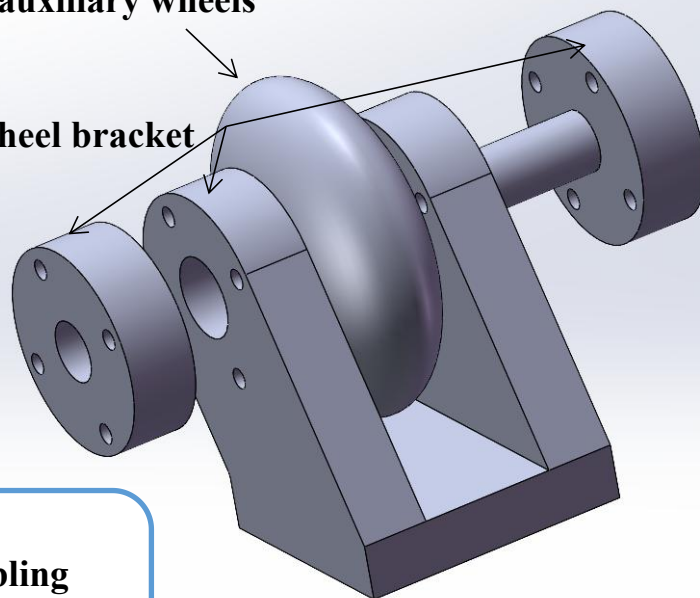


ultracapacitor

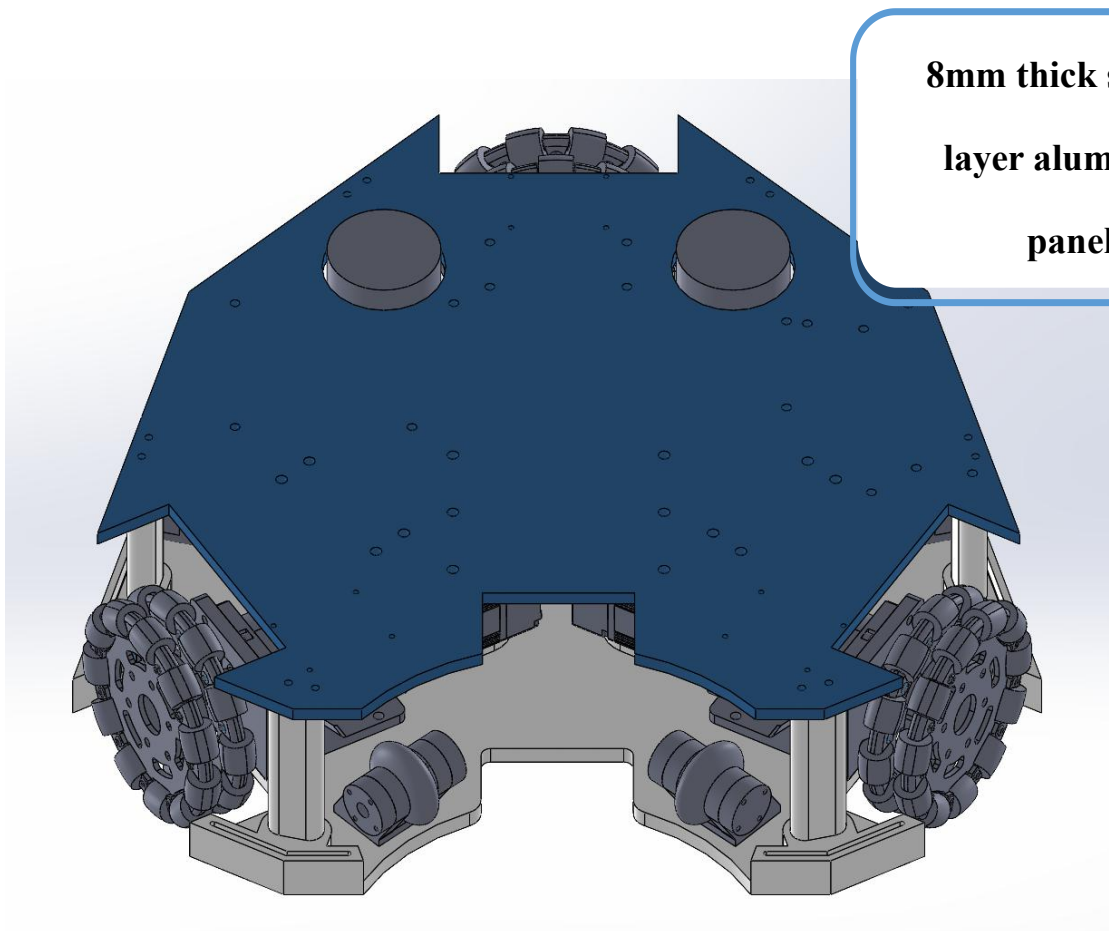
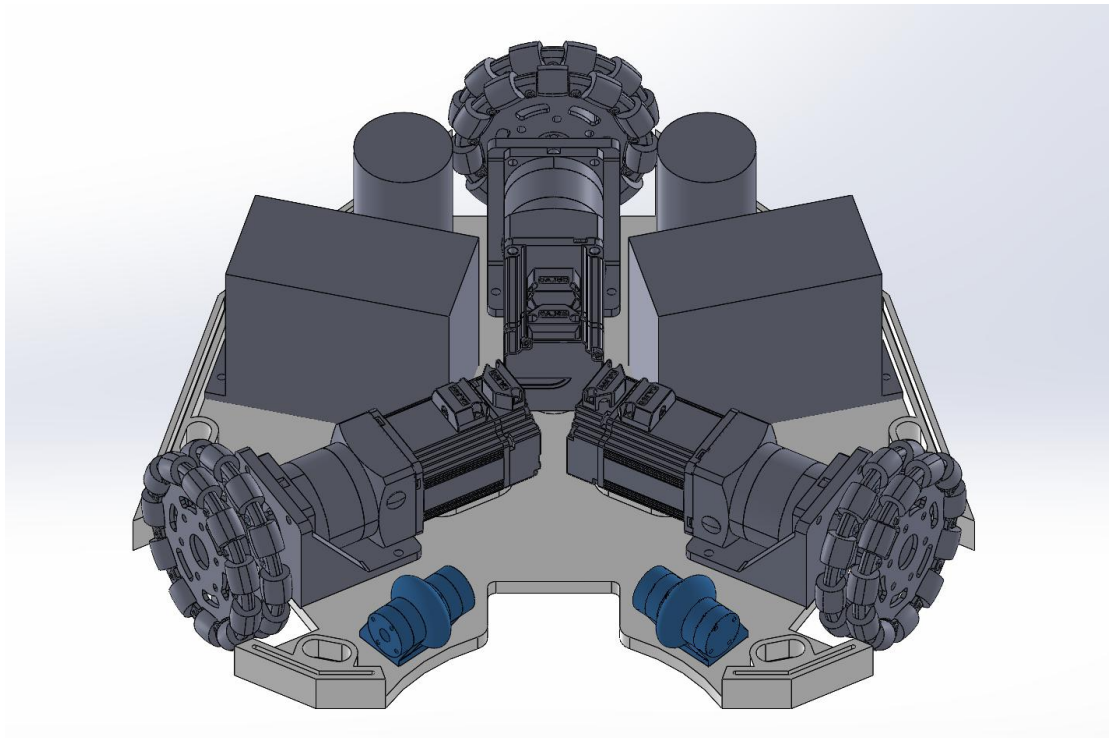


auxiliary wheels

auxiliary wheel bracket



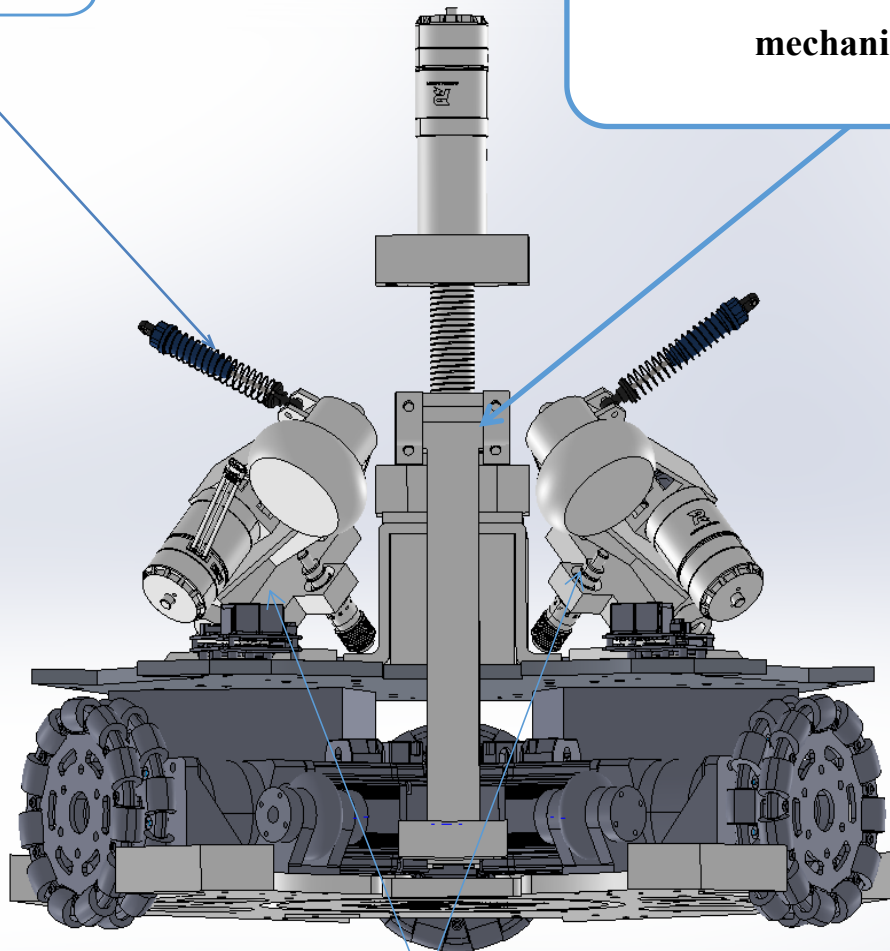
**auxiliary dribbling
structure**



**8mm thick second
layer aluminum
panel**

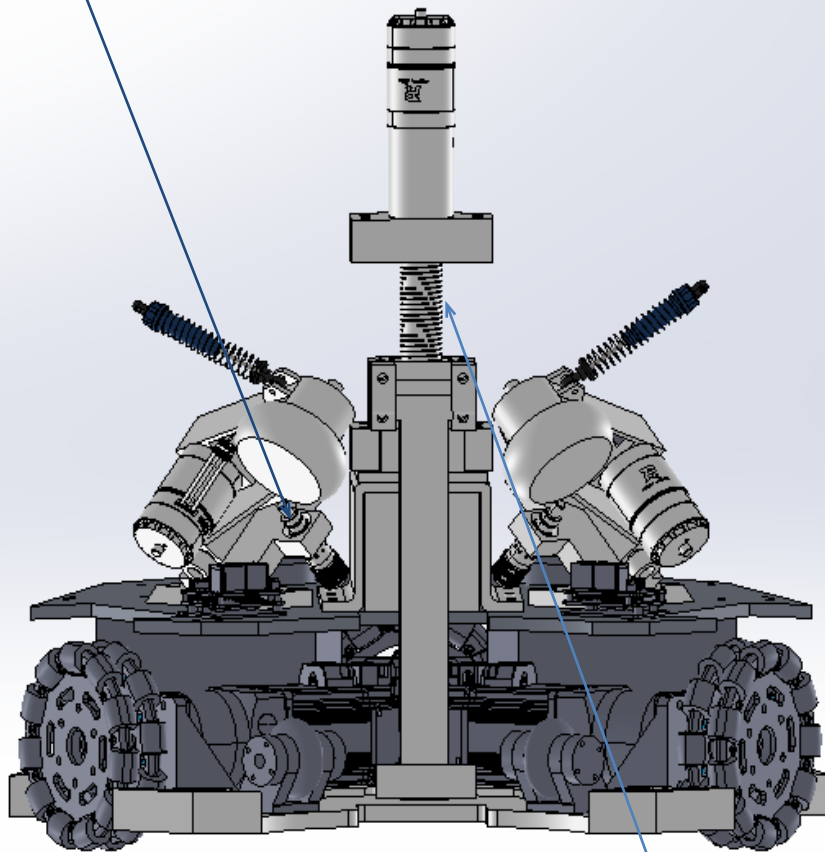
**shockproof
suspension**

**height-adjustable hitting
mechanism**

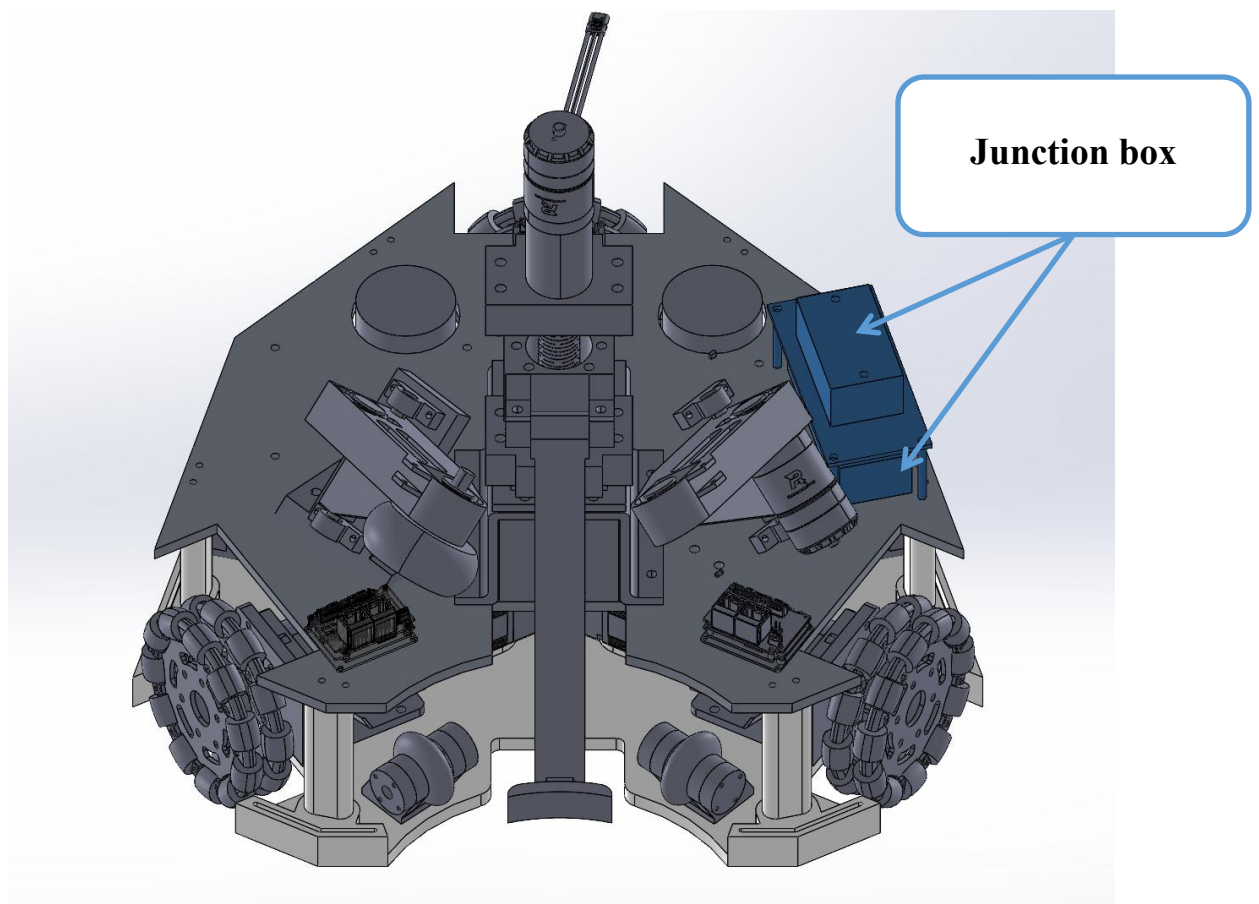
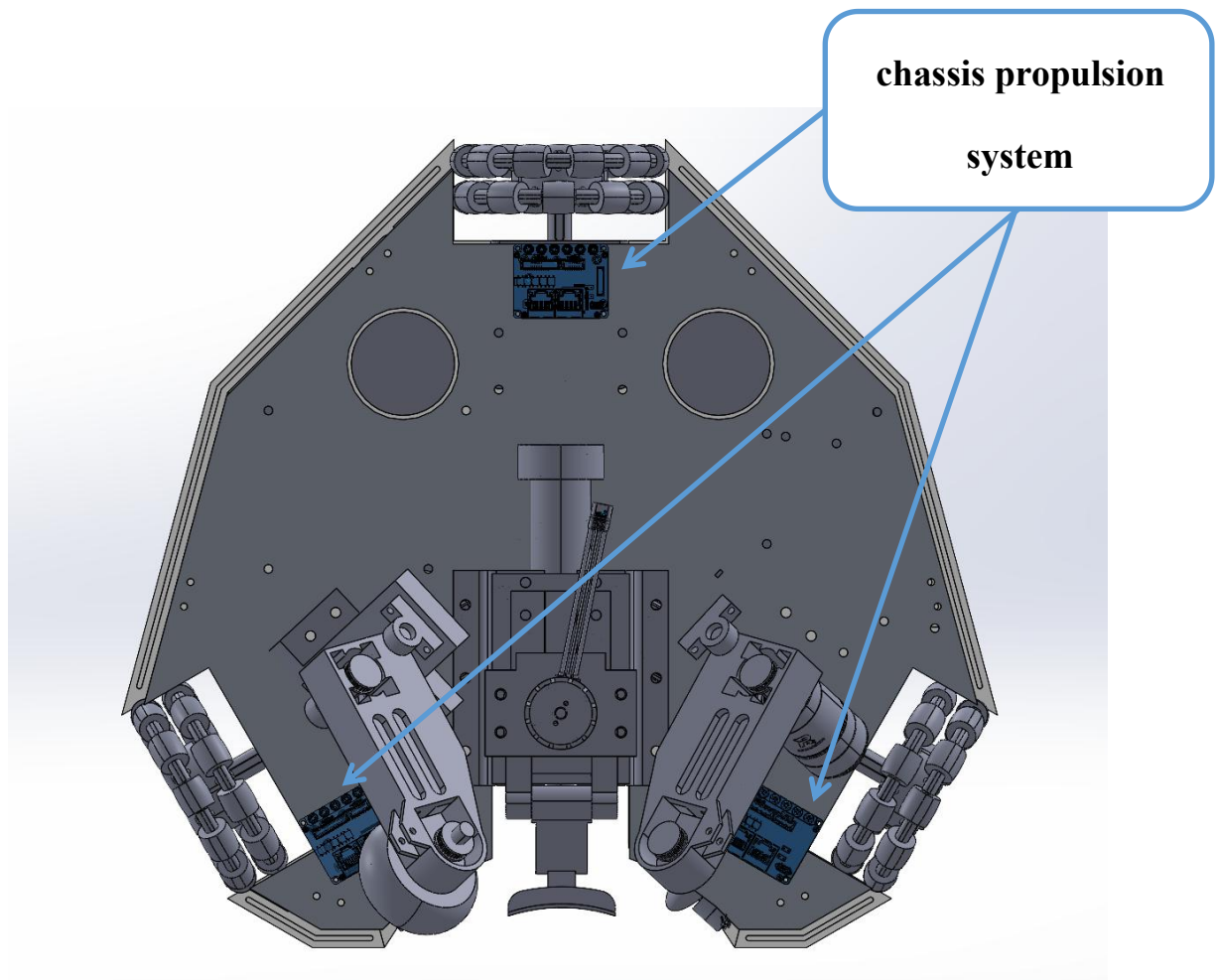


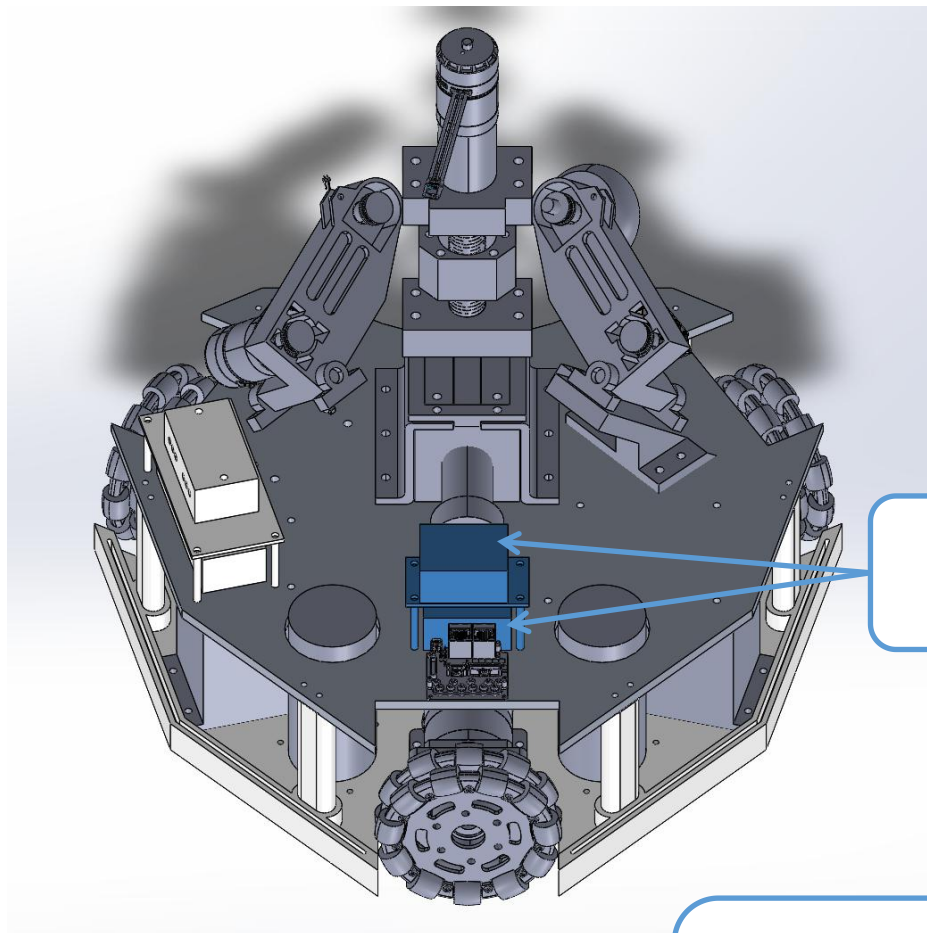
ball picking-up mechanism

micrometer

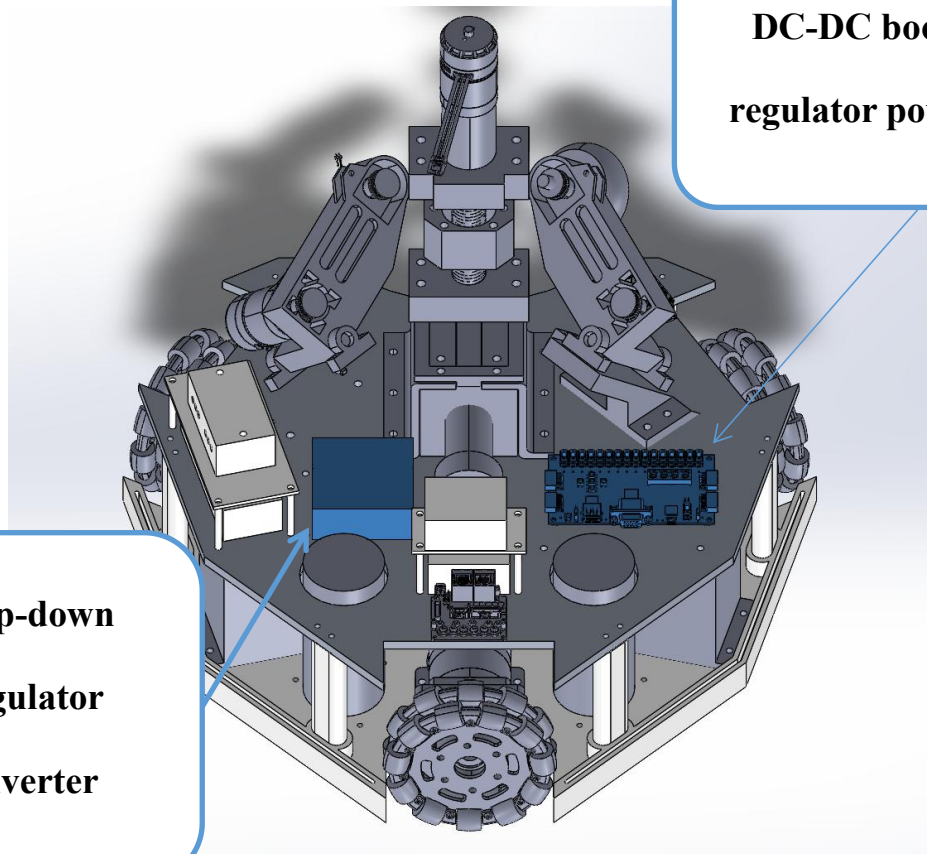


Lead screw





relay

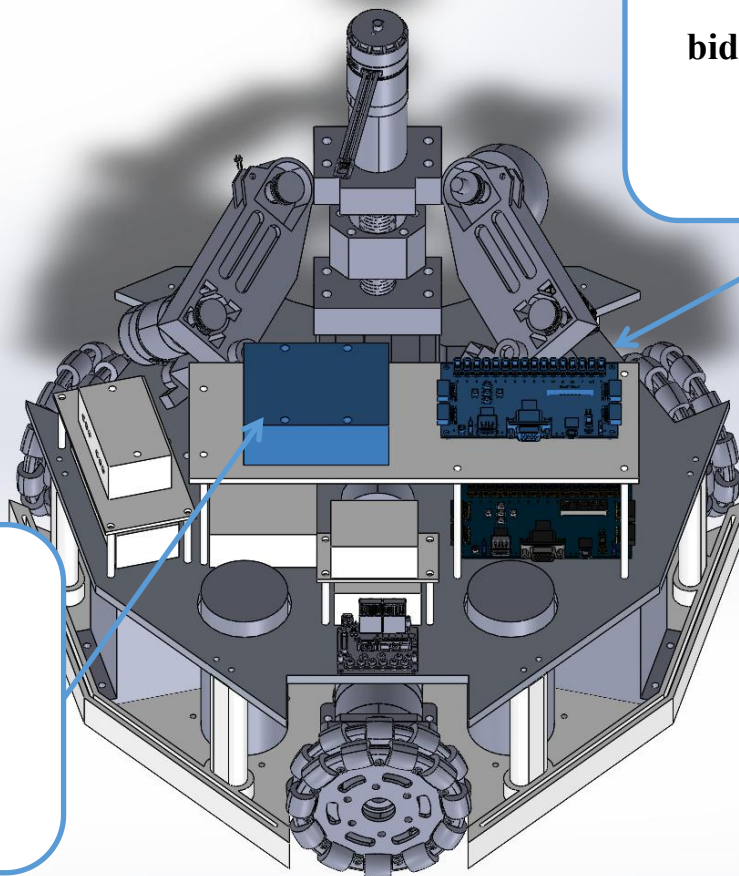


**DC-DC boost voltage
regulator power module**

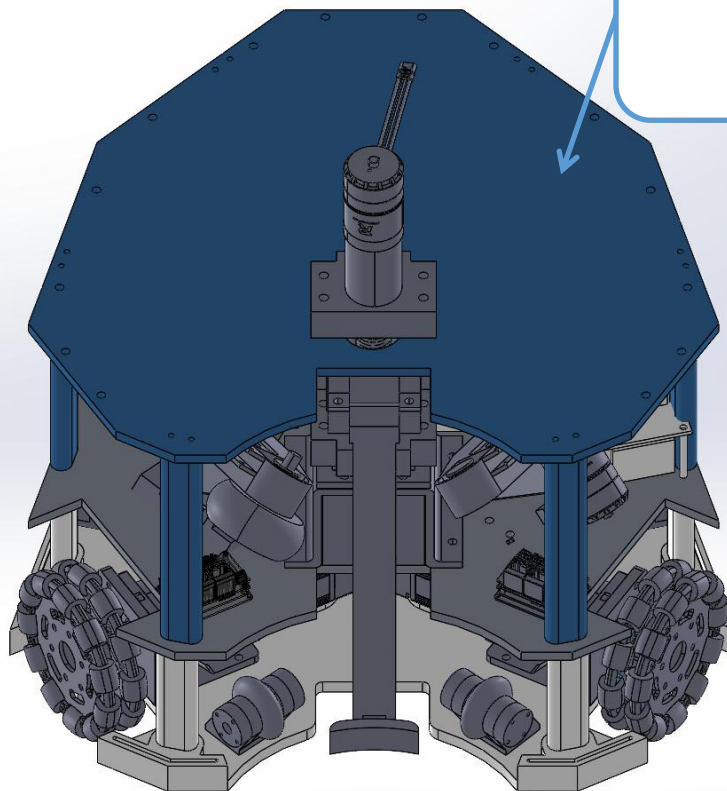
**DC-DC step-down
voltage regulator
power converter**

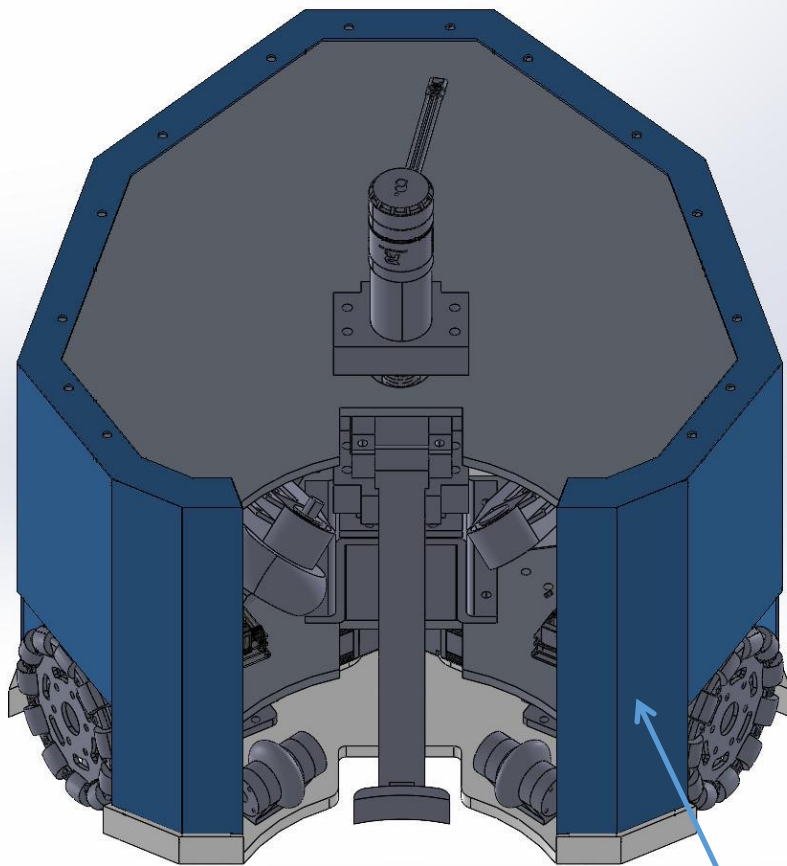
**high-power
bidirectional DC-DC
power supply**

**DC-DC step-down
voltage regulator
power converter**



**8mm thick aluminum
top plate**





**2mm thick aluminum
frame**

Total reflector

Industrial Camera

Microcomputers

