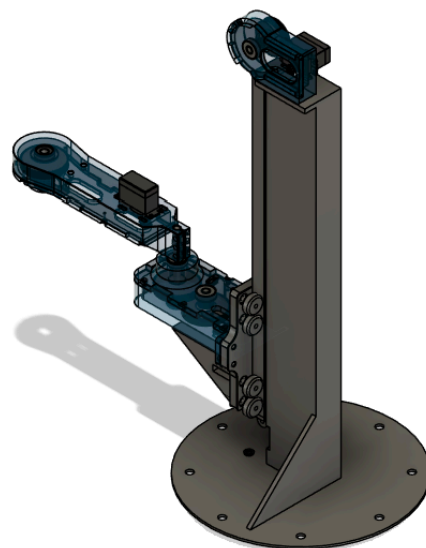
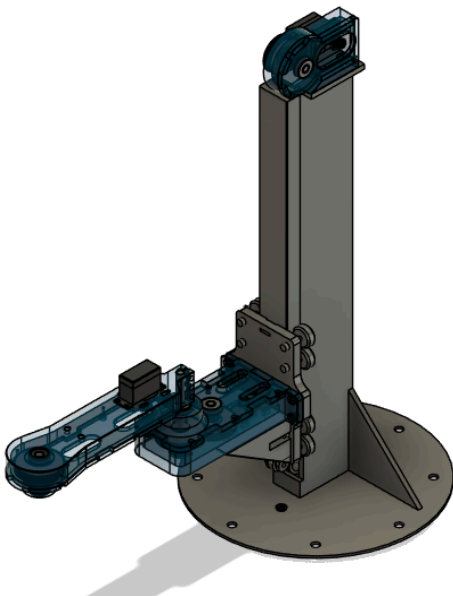
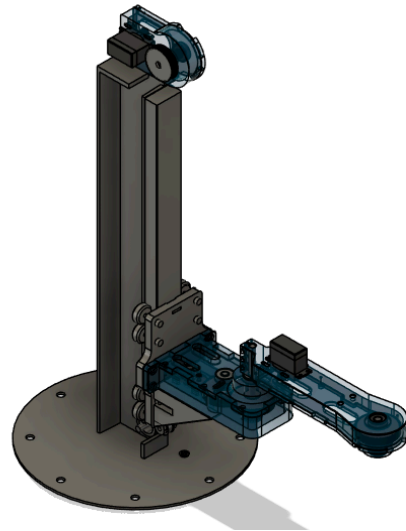
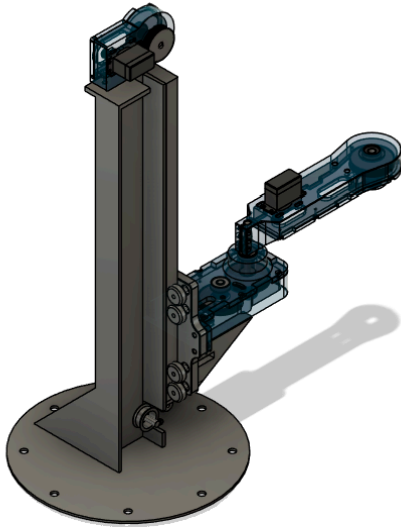


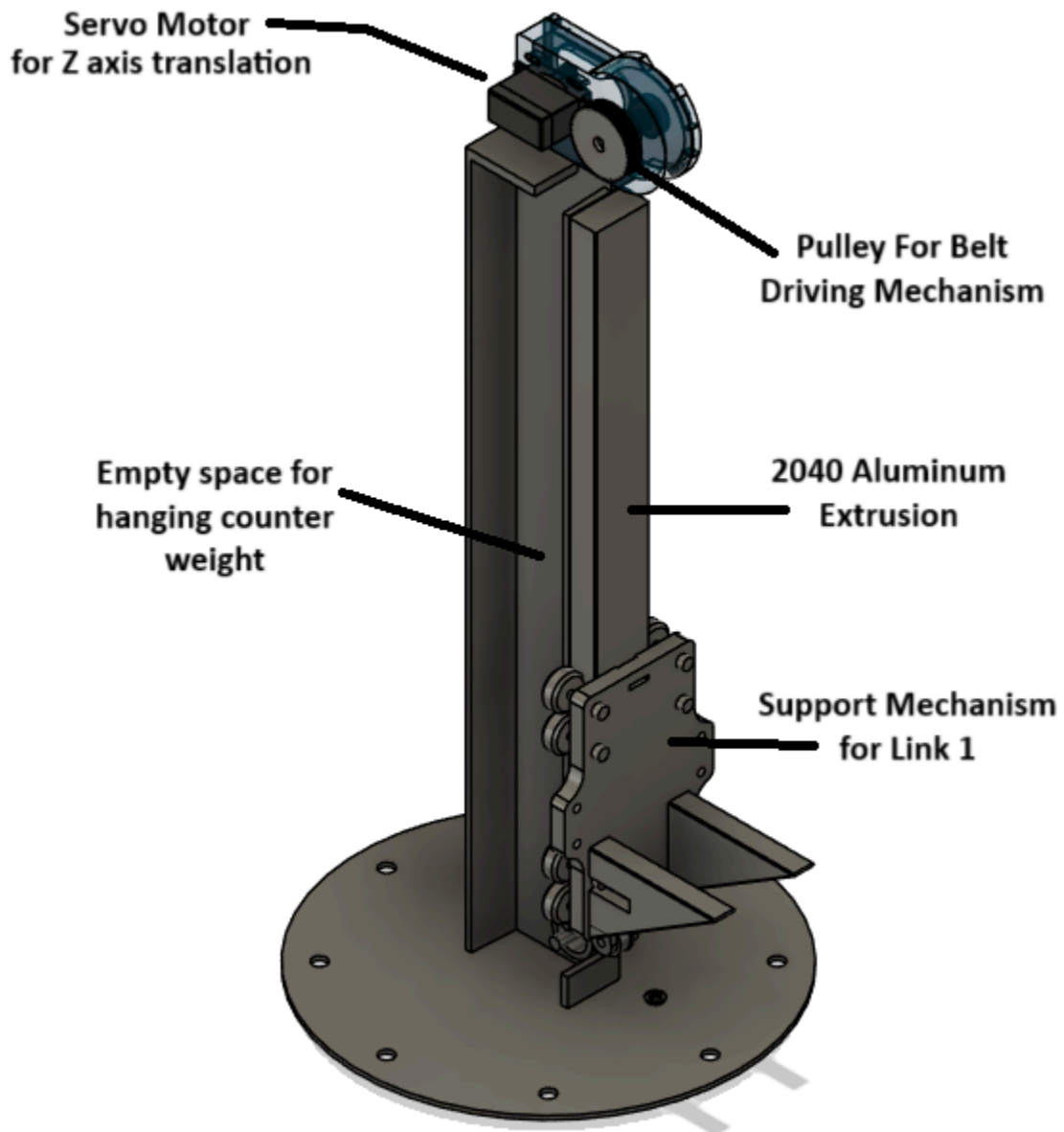
Pick And Place Robot

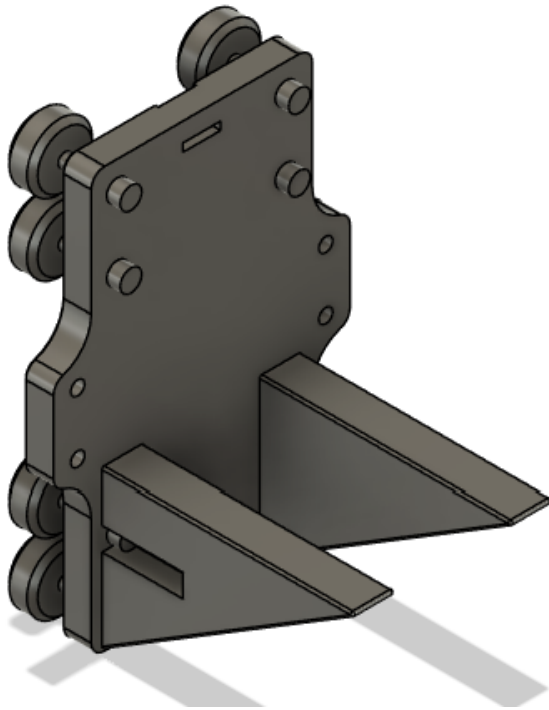
The final design of the Pick and Place Robot consists of three joints: PRR. Below are some views and designs of the pick-and-place robot.

The Complete Assembly



Link 1: Prismatic Joint



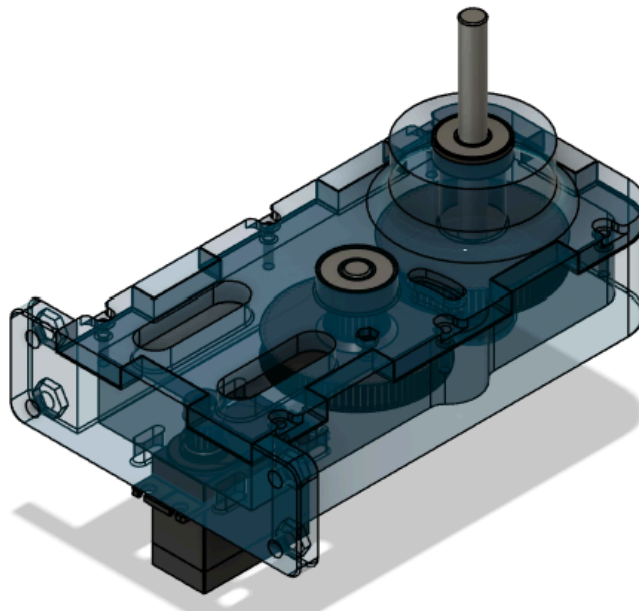


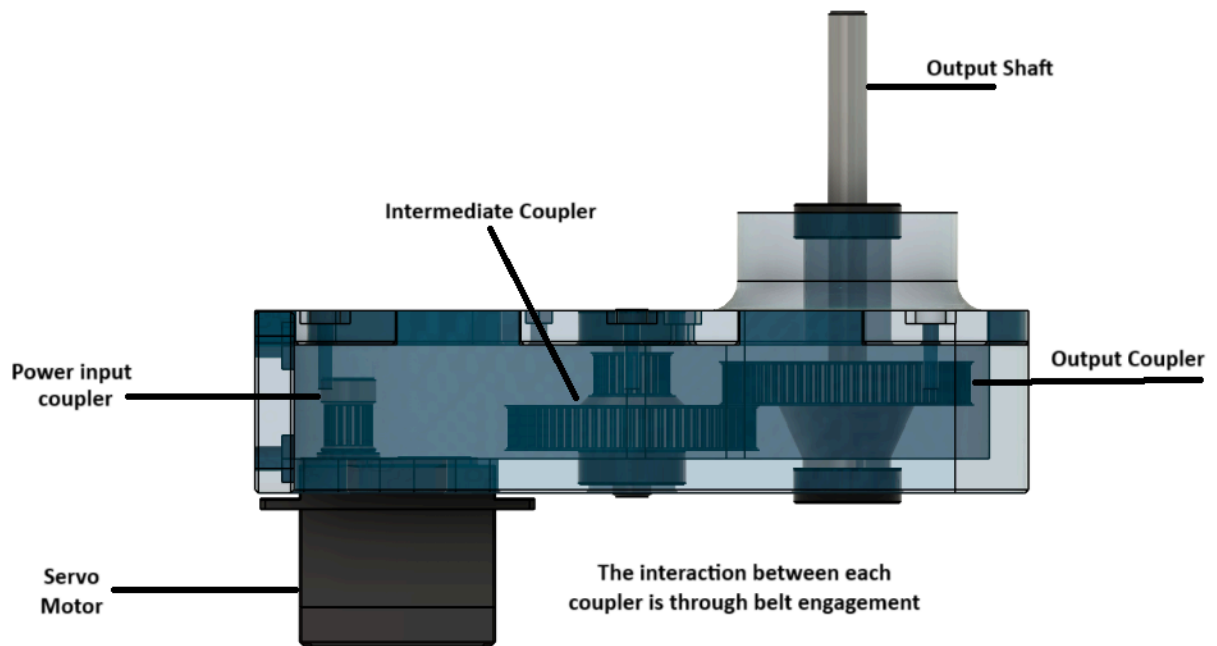
The Servo motor is fixed on a system where power transmission from the motor to the pulley is done with the help of belt.

A belt runs through the servo motor pulley, holding the counterweight and connecting plate that connects the other two links with the prismatic joint.

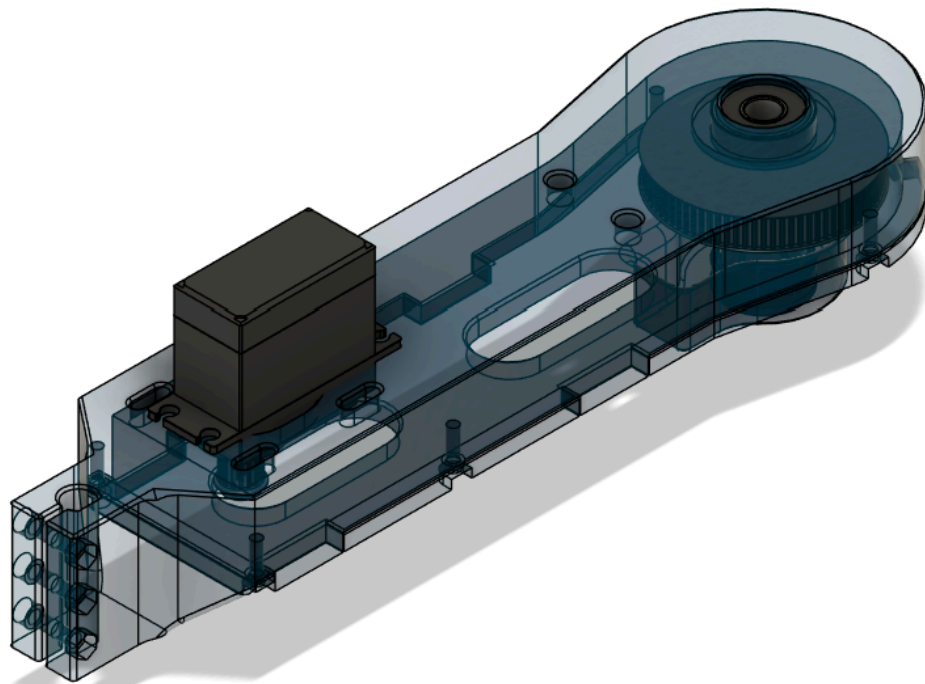
The connecting plate is supported on the 2040 Aluminum extrusion with the help of 8 pulley wheels popularly used in 3D printers.

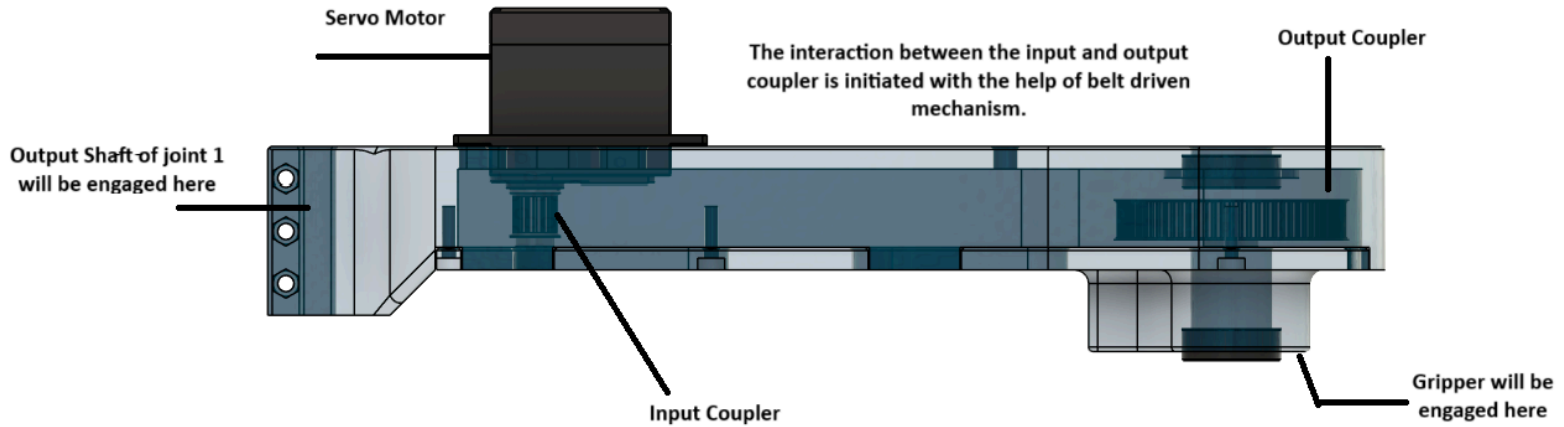
Joint 2: Revolute Joint





Joint 3: Revolute Joint





Note: The designs that are shown in this document are in progress. There will be minimal changes in the working or design of the suggested design.