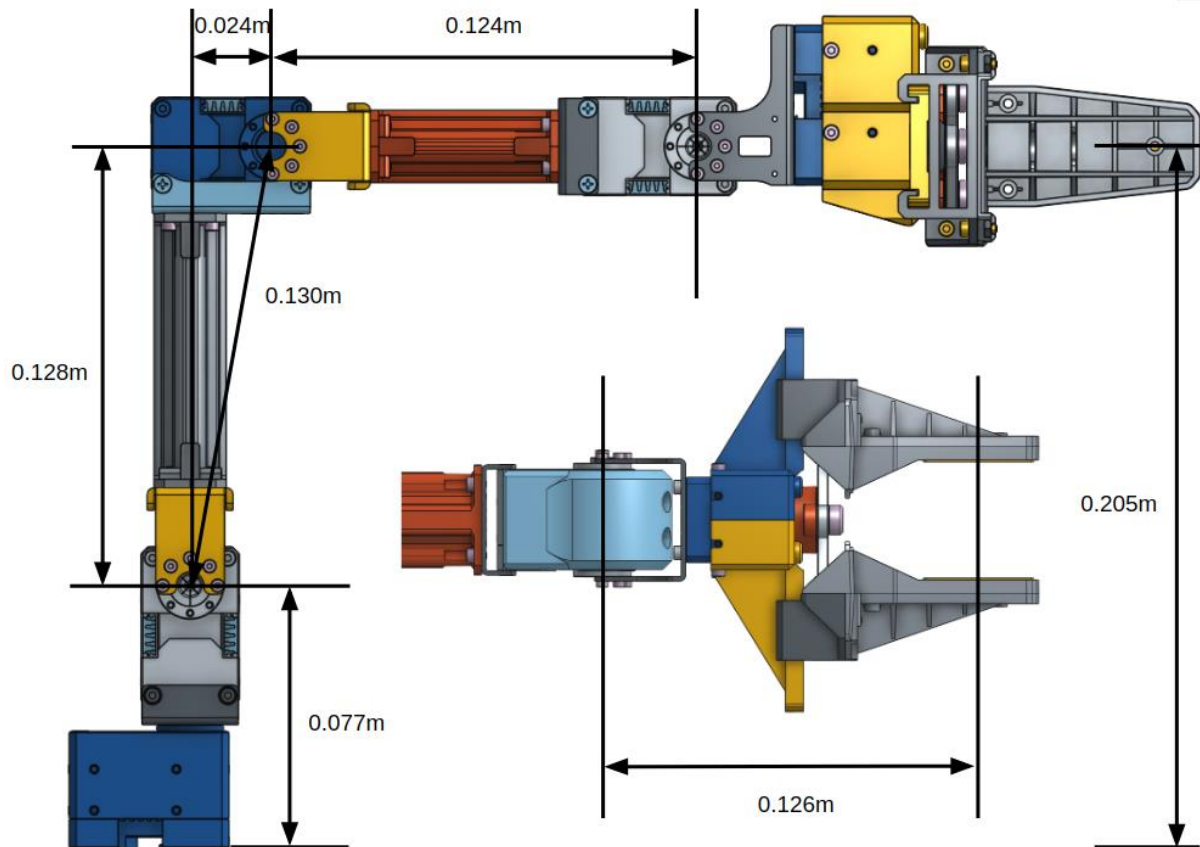
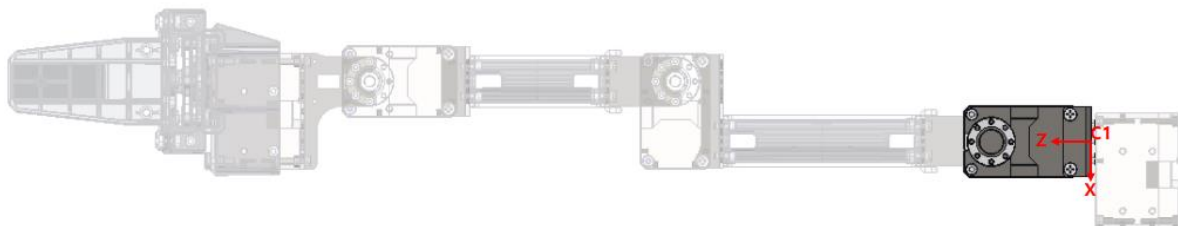


OPEN MANIPULATOR – X



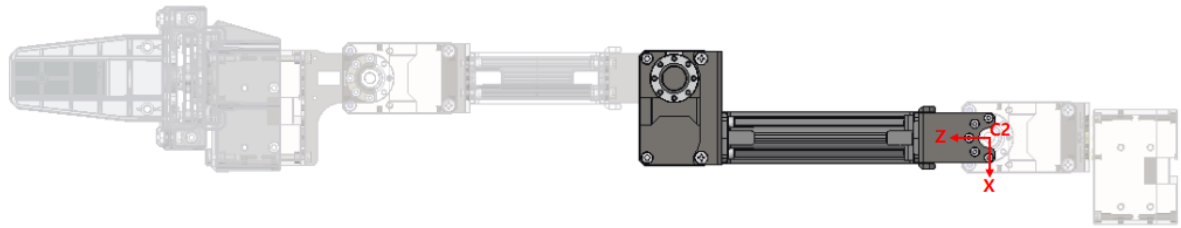
➤ Inertia Parameters (Total Mass: 711.37 gram)

➤ Joint 1



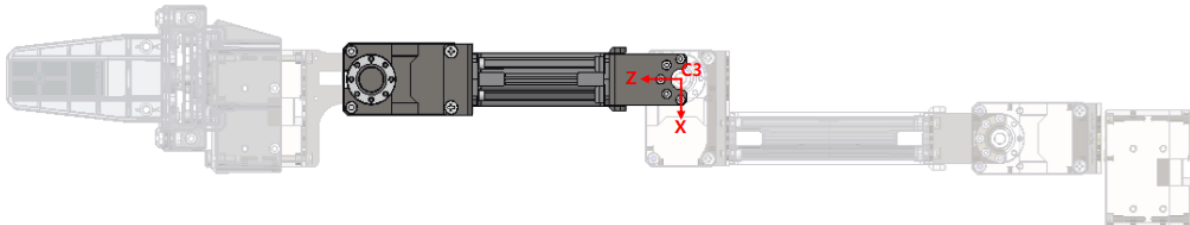
- Mass [gram] : 1.0483260e+02
- Center of Gravity [mm]
 - X : 0.0000000e+00
 - Y : -5.6914372e-01
 - Z : 2.6565513e+01
- Inertia Tensor with respect to C1 coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 1.0781918e+05 0.0000000e+00 0.0000000e+00
 - Iyx Iyy Iyz : 0.0000000e+00 1.0355255e+05 1.8062416e+03
 - Izx Izy Izz : 0.0000000e+00 1.8062416e+03 1.7644210e+04
- Inertia Tensor at CENTER OF GRAVITY with respect to coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 3.3802078e+04 0.0000000e+00 0.0000000e+00
 - Iyx Iyy Iyz : 0.0000000e+00 2.9569411e+04 2.2121514e+02
 - Izx Izy Izz : 0.0000000e+00 2.2121514e+02 1.7610252e+04
- Principal Moments of Inertia: [GRAM * MM^2]
 - I1 : 1.7606162e+04
 - I2 : 2.9573501e+04
 - I3 : 3.3802078e+04

➤ Joint 2



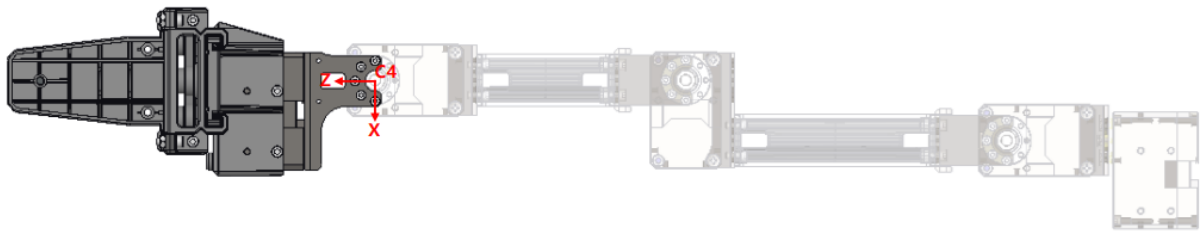
- Mass [gram] : 1.4234630e+02
 - Center of Gravity [mm]
 - X : -9.1617228e+00
 - Y : -4.1915210e-01
 - Z : 1.0599936e+02
 - Inertia Tensor with respect to C2 coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 1.8365231e+06 -8.2177190e+02 1.6490470e+05
 - Iyx Iyy Iyz : -8.2177190e+02 1.8562153e+06 7.6370887e+03
 - Izx Izy Izz : 1.6490470e+05 7.6370887e+03 5.4940213e+04
 - Inertia Tensor at CENTER OF GRAVITY with respect to coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 2.3711450e+05 -2.7513999e+02 2.6666982e+04
 - Iyx Iyy Iyz : -2.7513999e+02 2.4488355e+05 1.3126636e+03
 - Izx Izy Izz : 2.6666982e+04 1.3126636e+03 4.2967059e+04
 - Principal Moments of Inertia: [GRAM * MM^2]
 - I1 : 3.9362142e+04
 - I2 : 2.4070845e+05
 - I3 : 2.4489452e+05
-

➤ Joint 3



- Mass [gram] : 1.3467049e+02
 - Center of Gravity [mm]
 - X : 3.6312773e-04
 - Y : -4.4304274e-01
 - Z : 9.3290225e+01
 - Inertia Tensor with respect to C3 coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 1.3589608e+06 0.0000000e+00 -2.7331036e+00
 - Iyx Iyy Iyz : 0.0000000e+00 1.3502276e+06 6.7882502e+03
 - Izx Izy Izz : -2.7331036e+00 6.7882502e+03 2.4835638e+04
 - Inertia Tensor at CENTER OF GRAVITY with respect to coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 1.8688812e+05 0.0000000e+00 1.8290300e+00
 - Iyx Iyy Iyz : 0.0000000e+00 1.7818139e+05 1.2221090e+03
 - Izx Izy Izz : 1.8290300e+00 1.2221090e+03 2.4809204e+04
 - Principal Moments of Inertia: [GRAM * MM^2]
 - I1 : 2.4799466e+04
 - I2 : 1.7819113e+05
 - I3 : 1.8688812e+05
-

➤ Joint 4



- Mass [gram] : 2.3550927e+02
 - Center of Gravity [mm]
 - X : 6.1273313e+00
 - Y : 7.9503949e-04
 - Z : 6.0472935e+01
 - Inertia Tensor with respect to C4 coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 1.1283350e+06 2.2172215e+02 -6.4649200e+04
 - Iyx Iyy Iyz : 2.2172215e+02 1.0777914e+06 3.9825896e+00
 - Izx Izy Izz : -6.4649200e+04 3.9825896e+00 1.8277436e+05
 - Inertia Tensor at CENTER OF GRAVITY with respect to coordinate frame: [GRAM * MM^2]
 - Ixx Ixy Ixz : 2.6708326e+05 2.2286943e+02 2.2615865e+04
 - Iyx Iyy Iyz : 2.2286943e+02 2.0769766e+05 1.5305492e+01
 - Izx Izy Izz : 2.2615865e+04 1.5305492e+01 1.7393236e+05
 - Principal Moments of Inertia: [GRAM * MM^2]
 - I1 : 1.6873182e+05
 - I2 : 2.0769694e+05
 - I3 : 2.7228452e+05
-