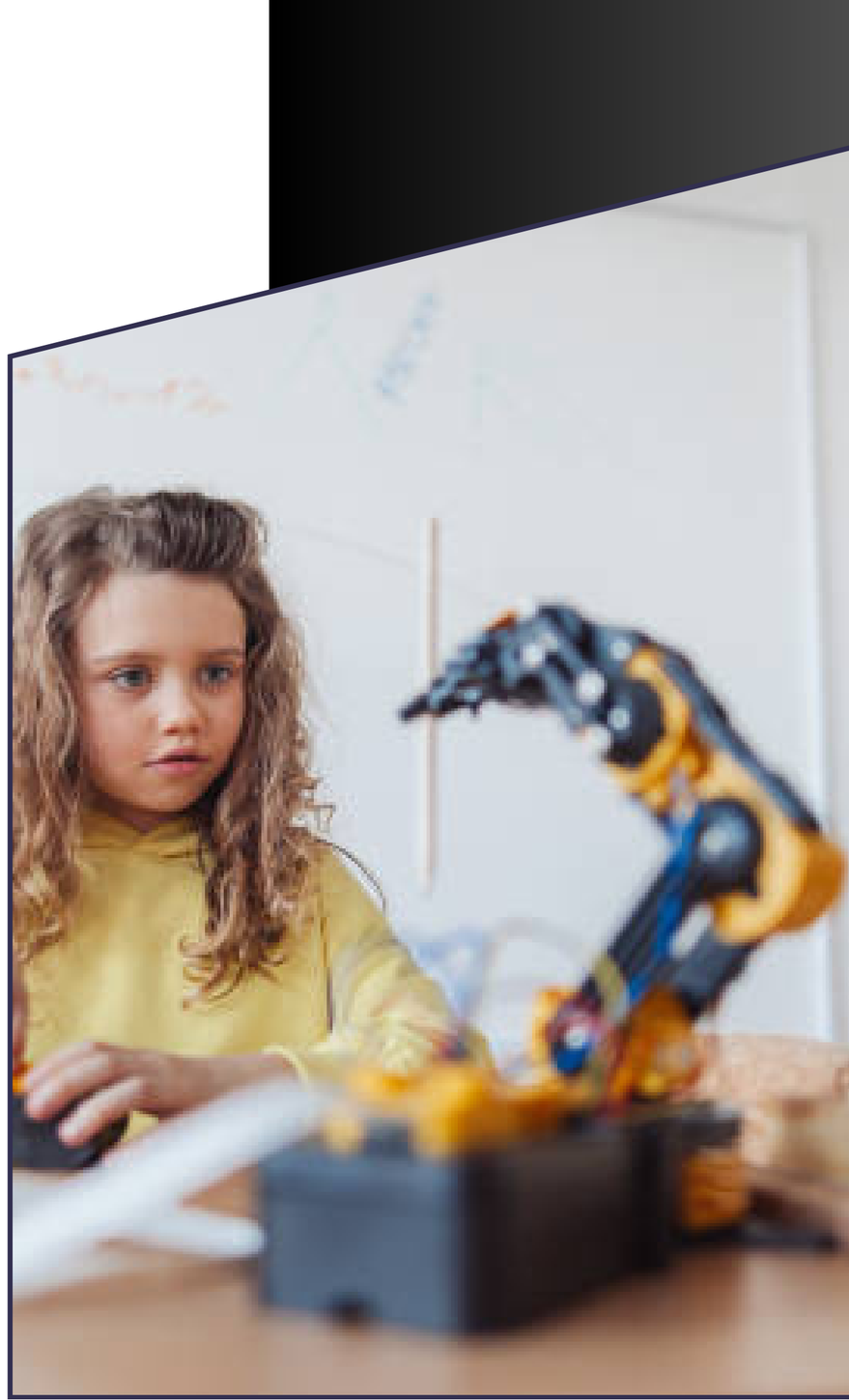
MYO HTUT KYAW

JJ EDUARM

Robotic Adventures: Learn, Create, Inspire!

INTRODUCTION

In today's world, learning is not just reading books and listening to lectures but engaging as playing. It is important for youngsters to inspire to create, innovate, and explore the wonders of technology. Therefore, introducing the world of educational robot arms, where children aged 10-15 can embark on an exciting journey of discovery.

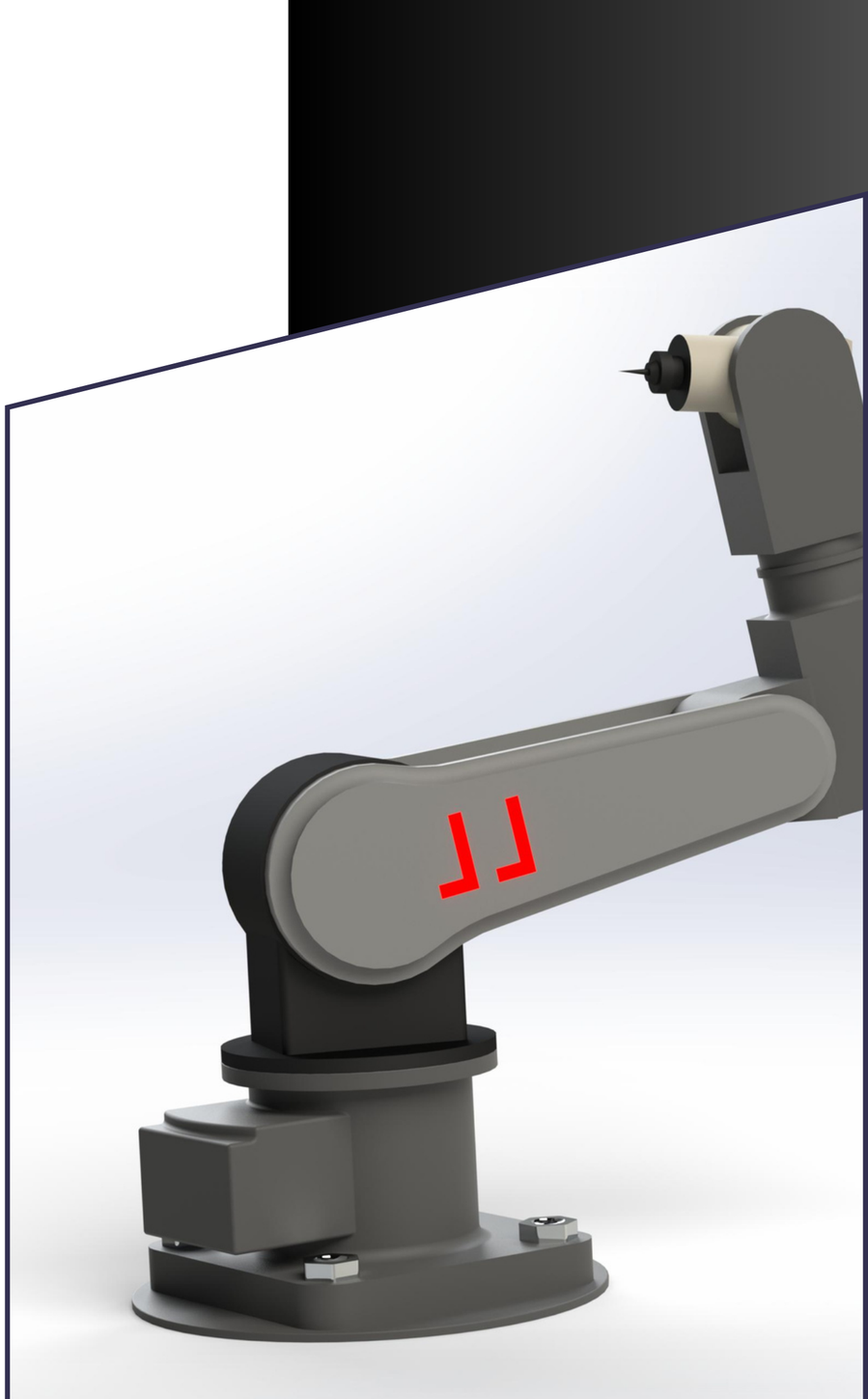


MOTIVATION

Children are ready to take on challenges, curious, and eager to learn at this age. A practical experience with an educational robot arm grabs their curiosity about programming, engineering, and robotics. These robot arm kits give young learners a chance to explore new things, make errors, and grow from them while developing critical thinking abilities and future-ready skills.

PAIN POINT

On the other hand, a lot of the educational robot arm kits available today are overly straightforward, which deters kids from learning anything, or too complicated, which can discourage youngsters. It can be difficult for parents and educators to find the correct balance between fun and educational content, whereas JJ EduArm is the ideal kit which doesn’t have those problems.



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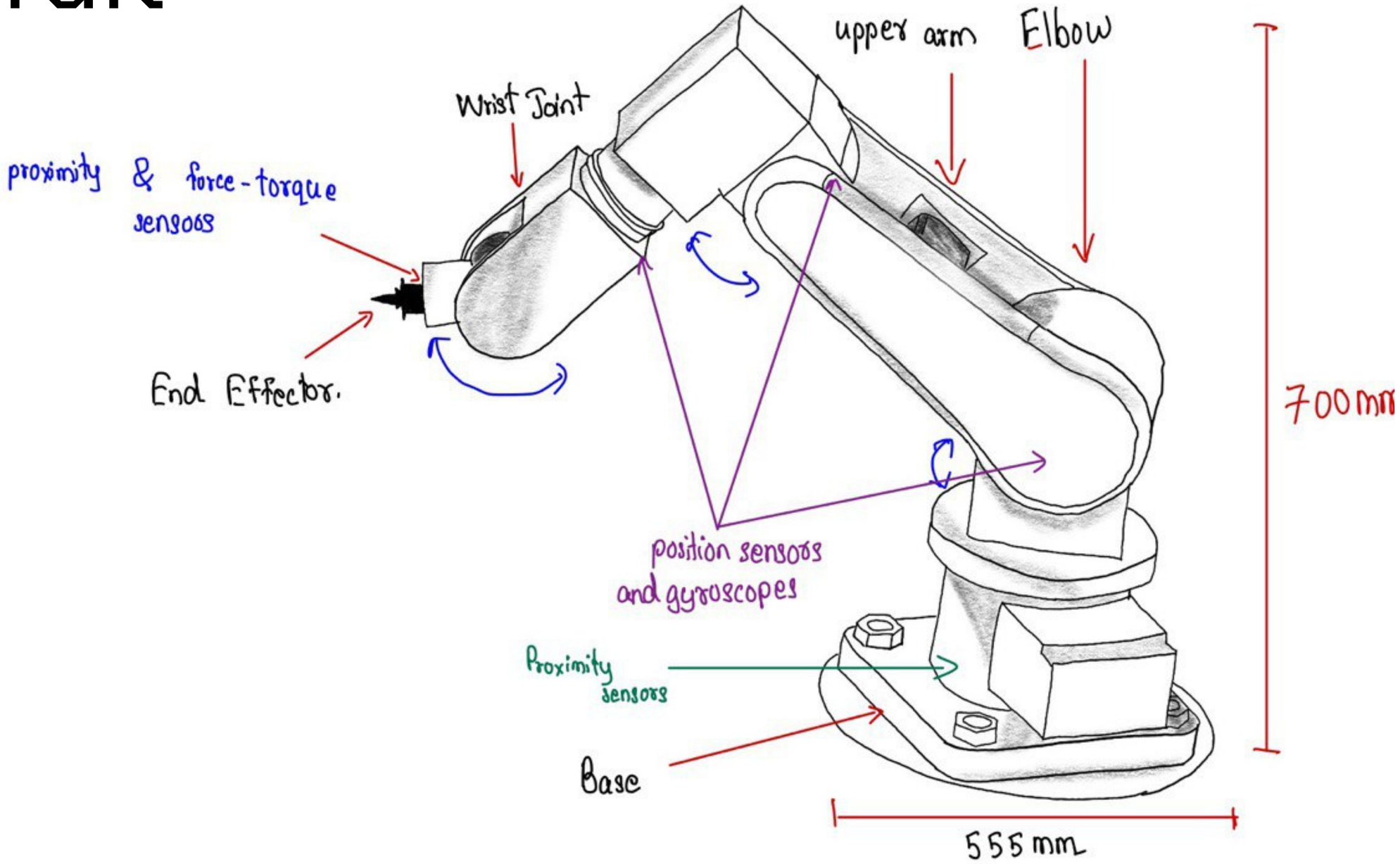
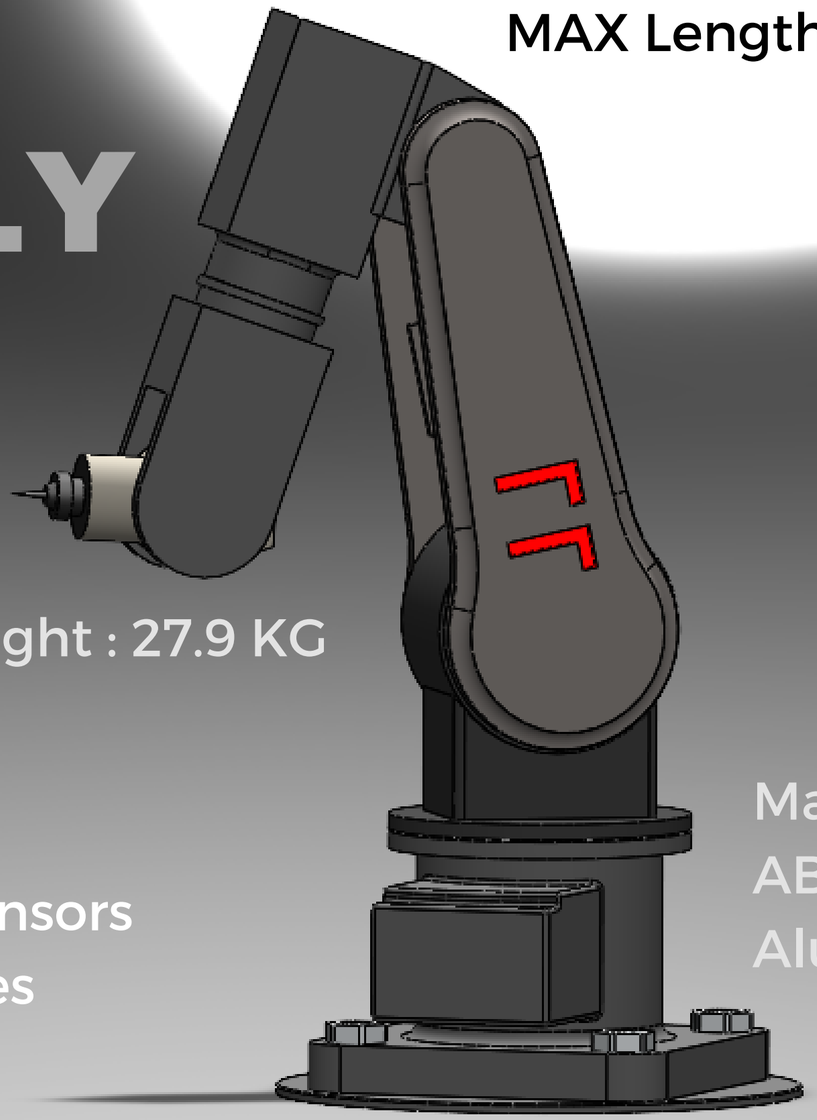

upper arm
Elbow
Wrist Joint
proximity & force-torque sensors
End Effector.
position sensors and gyroscopes
Proximity sensors
Base
700mm
555 mm

PARTS & ASSEMBLY

MAX Height : 1184 mm
MAX Length : 1281 mm

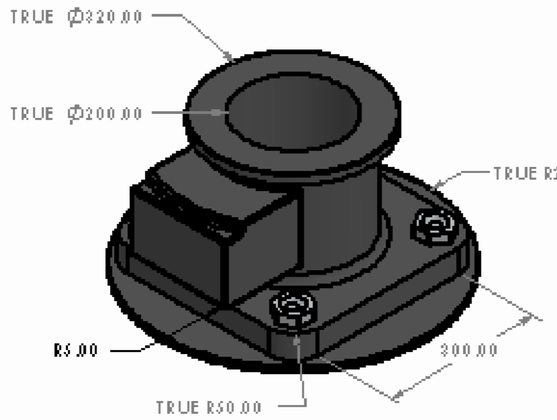


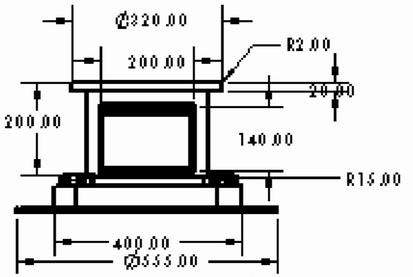
Weight : 27.9 KG

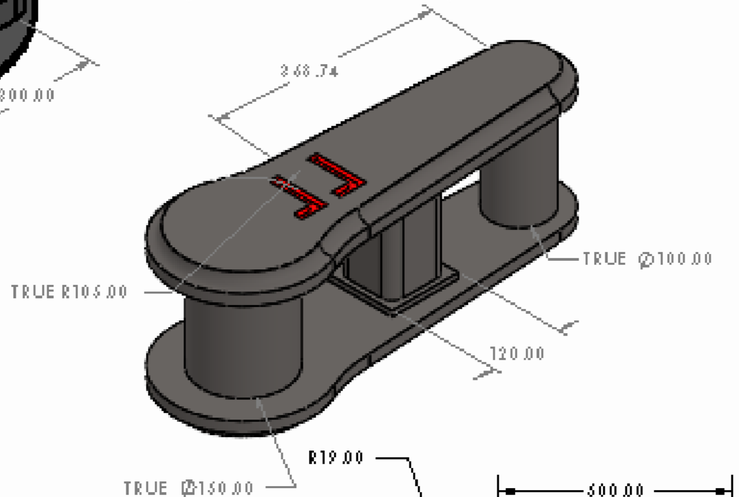
Specs:
Rotate 360˚
Proximity & Force Torque Sensors
Position sensors & gyroscopes

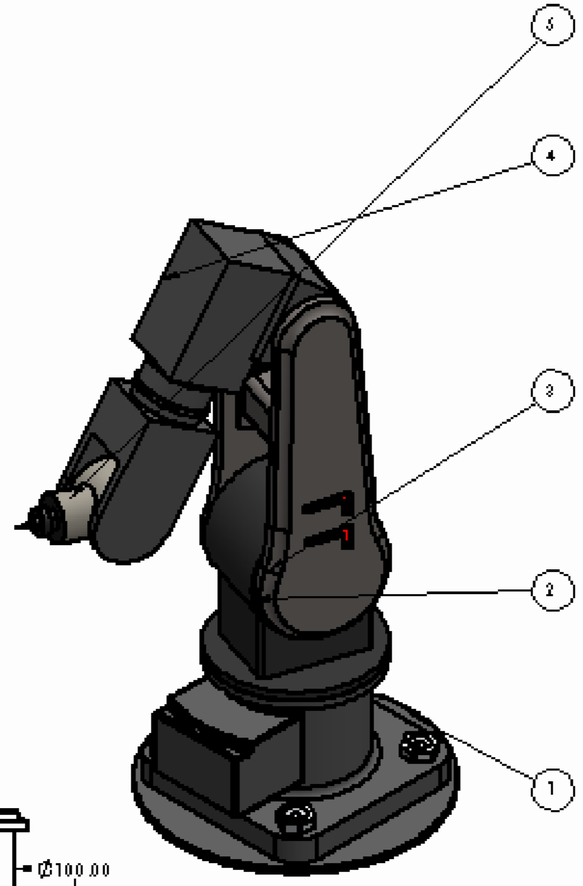
Material :
ABS Plastic (Body)
Aluminum alloy 4032-T6 (End Effector)

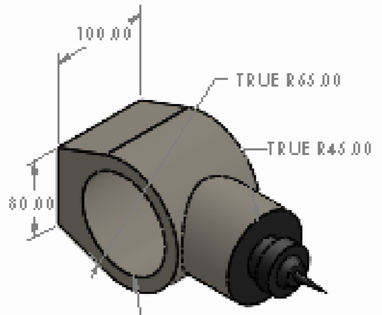
Exploded View

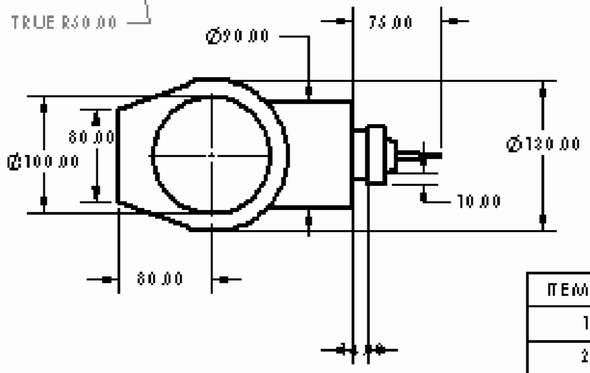


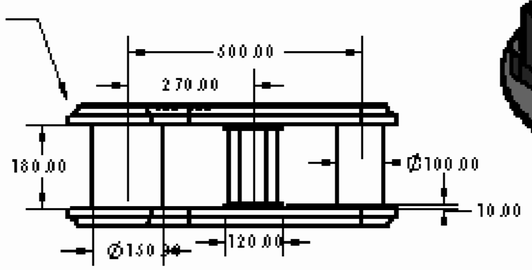












ITEM NO.	PART NUMBER	QTY.
1	Final Project Part 1	1
2	Final Project Part 2	1
3	Final Project Part 3	1
4	Final Project Part 4	1
5	Final Project Part 5	1

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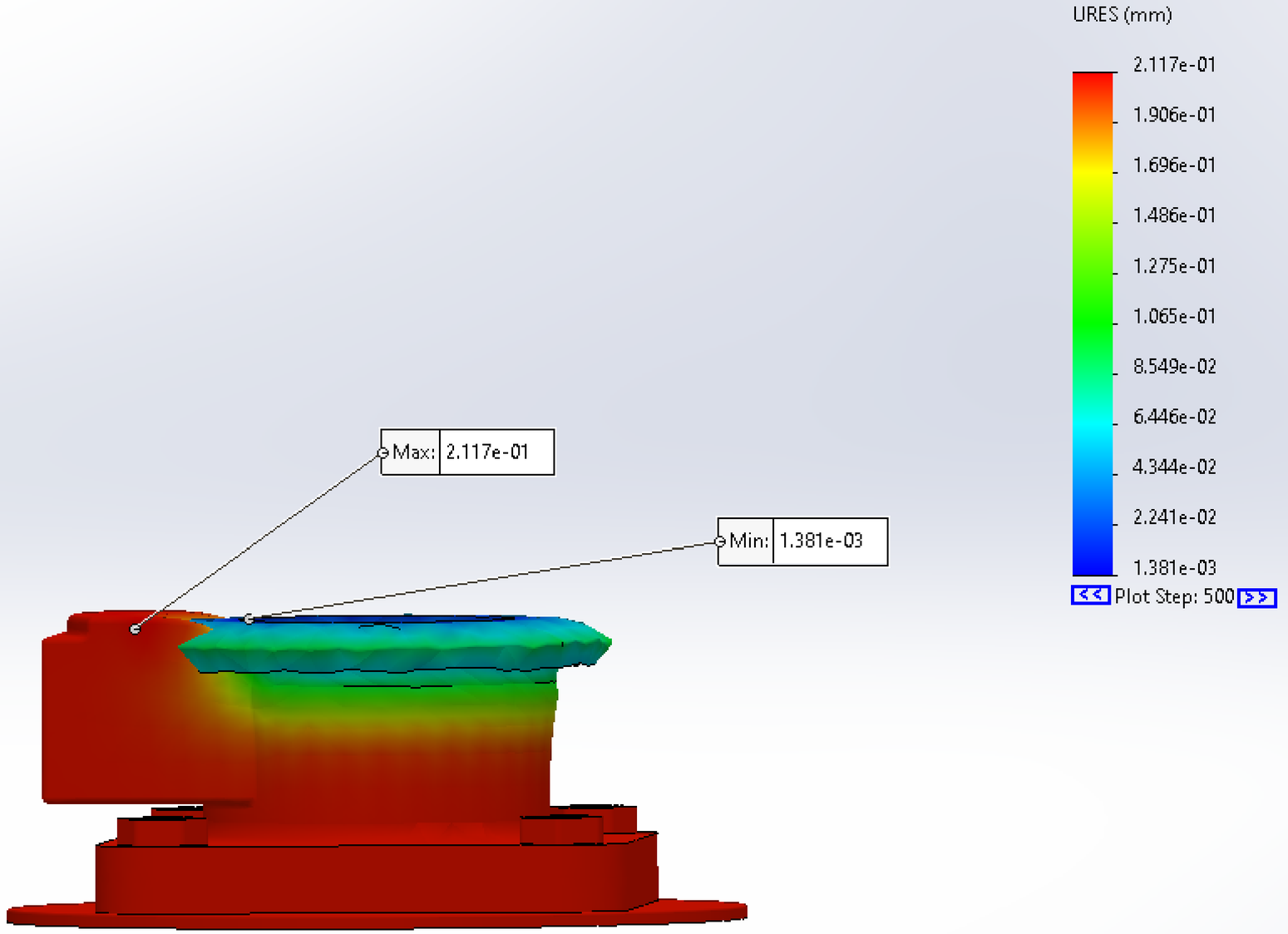
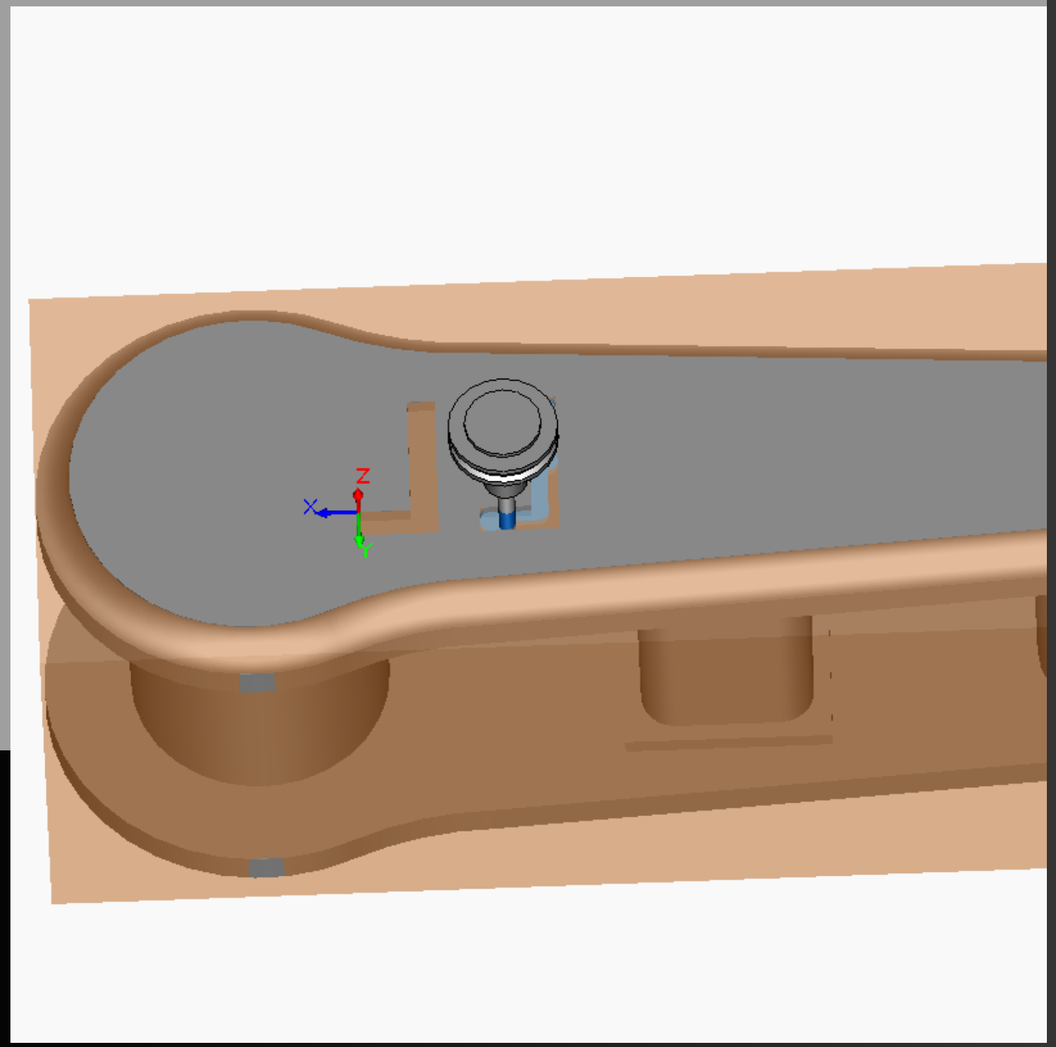
JJ EduArm

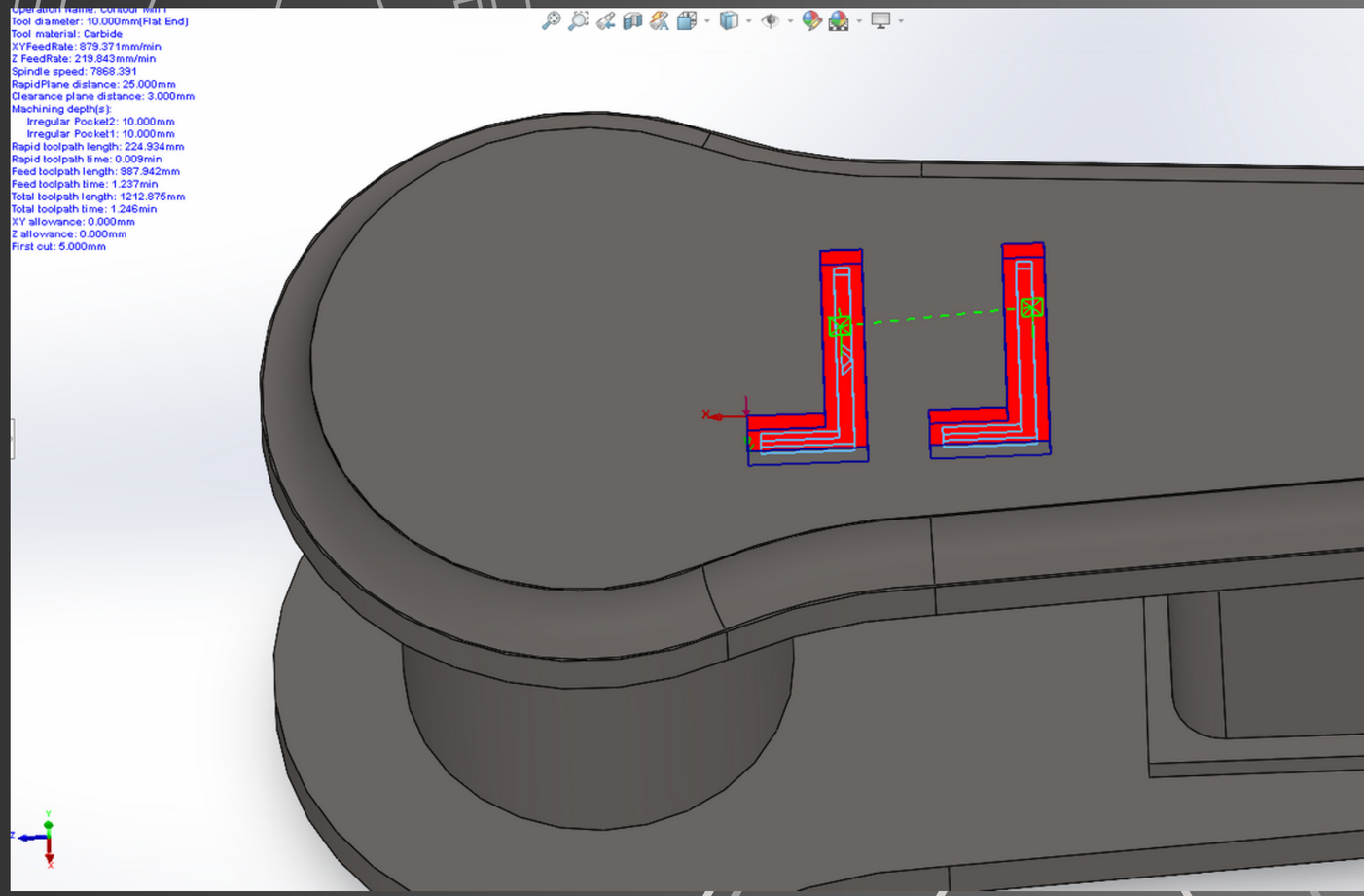
A2

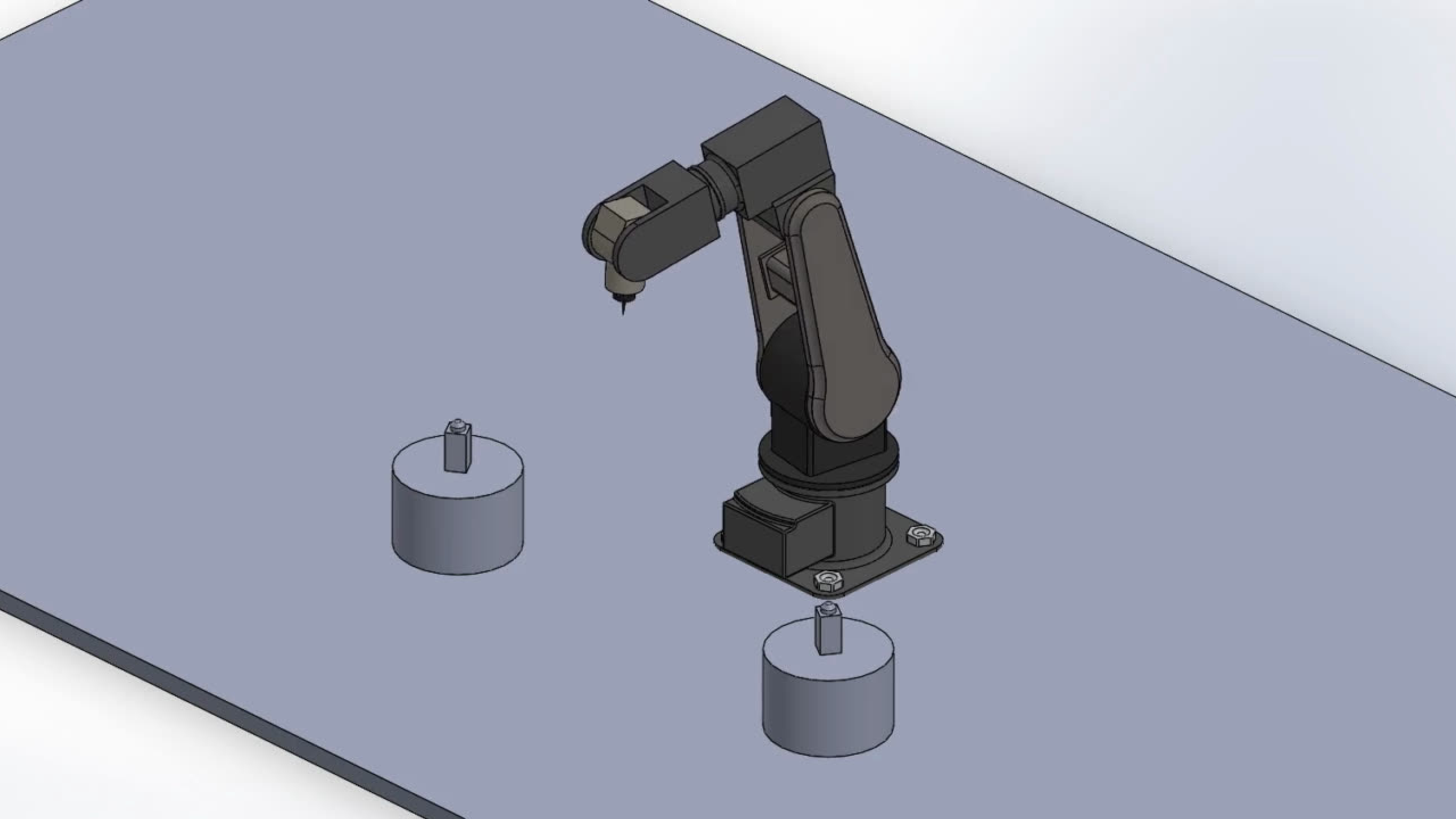
Study name: Drop Test 1(-Default-)
Plot type: Displacement1
Plot step: 25 time : 59.9844 Microseconds
Deformation scale: 262.398



Computer Aided Manufacturing (CAM)

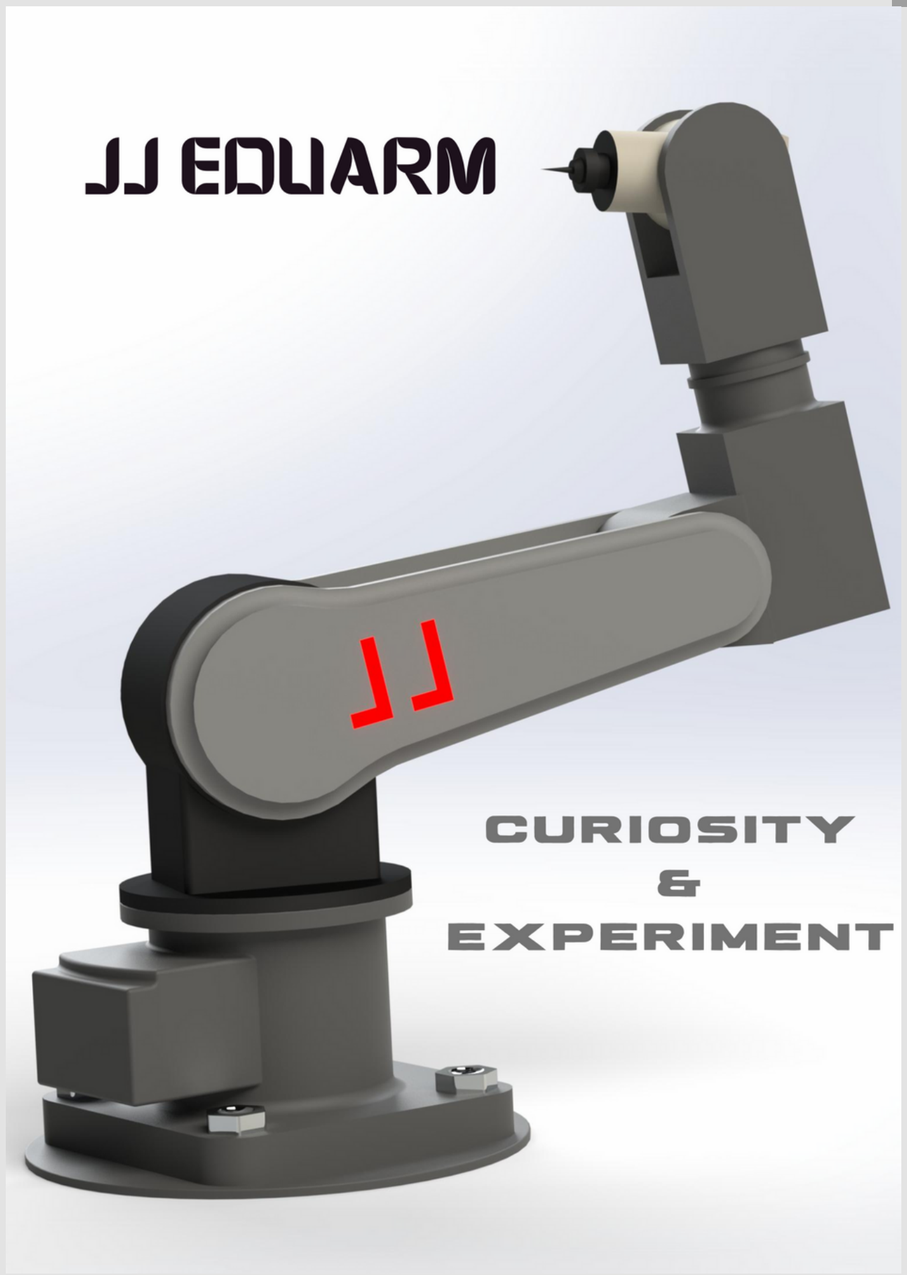






PRODUCT POSTER

RENDER RESULT



FUTURE IMPROVEMENT

Price/Cost:

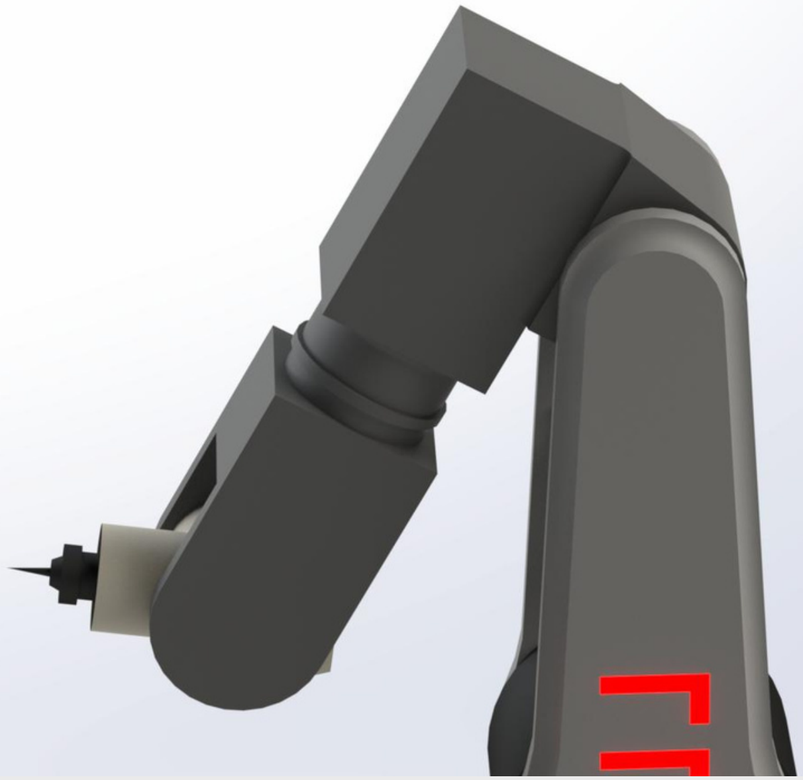
- **Cost-effective Materials**: Use more cost-effective yet durable materials in manufacturing without compromising quality.
- **Bulk Discounts**: Offer discounts for educational institutions purchasing multiple kits.
- **Partnerships**: Collaborate with schools, STEM programs, or governments to subsidize costs for students in need.

Customer

- **Customization**: Offer customization options for schools or educators to tailor the kits to their specific curriculum needs.
- **Expanded Age Range**: Develop kits for younger or older age groups to broaden the customer base.
- **Online Resources**: Provide online resources such as tutorials, forums, and project ideas to support users after purchase.

Quality and Features

- **Advanced Programming**: Include more advanced programming features to cater to experienced users.
- **Enhanced Durability**: Improve the durability of components to withstand frequent use.
- **Compatibility**: Ensure compatibility with a wide range of devices and operating systems for ease of use.



THANKS FOR WATCHING

Explore the World of Robotics: Build Your Own Robotic Arm!