



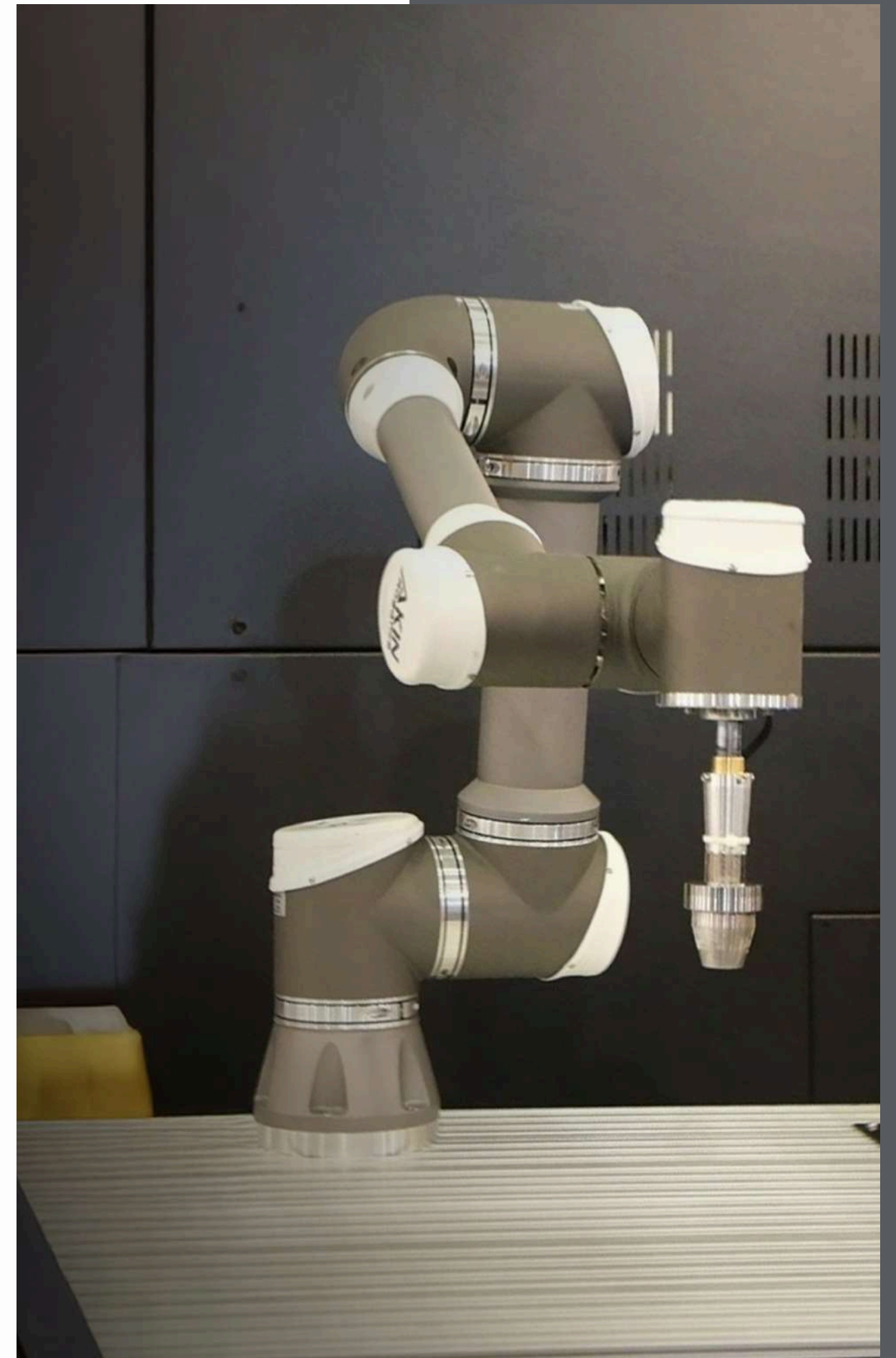
# INDUSTRIAL ROBOT ROBOT ARM

AKINROBOTICS

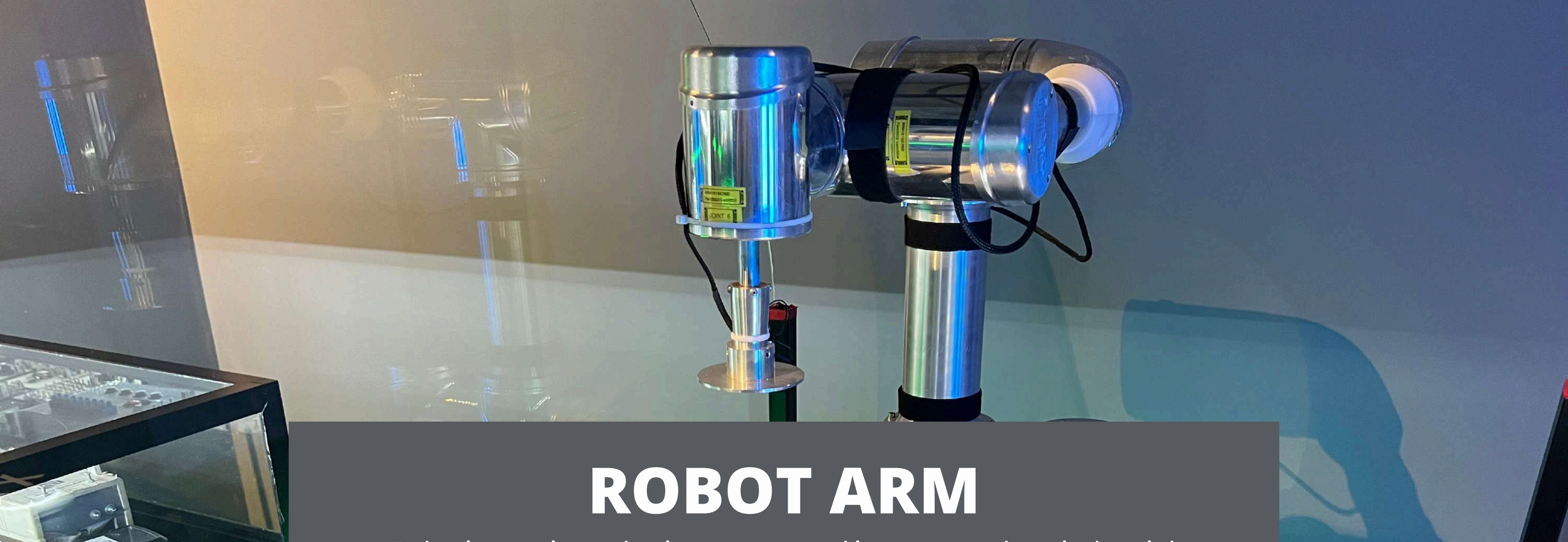


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# ROBOT ARM

Robotic Arm is a robotic system used in areas such as industrial automation, assembly, packaging, and manufacturing. These robotic arms have precise movement capabilities and the ability to perform multiple tasks. They optimize production processes by performing specific tasks at high speed and with high accuracy.



# Features

- Our robot operates autonomously using a mapping system.
- With its versatile and flexible movement capabilities, it can grasp, release, place, and transport objects as required.
- It can grasp objects by wrapping around them externally using adaptive grippers.
- It can grasp flat and stacked parts.
- It can be programmed and controlled via AR-GUI without requiring engineering knowledge.
- It can be programmed using a Space Mouse-assisted Teach Pendant.
- It can perform tasks without colliding with obstacles in the environment.
- Thanks to the virtual barrier, the robot stops when a moving object enters the safe zone.
- Our robotic arm offers high flexibility with its interchangeable equipment. In addition to integration with various grippers on the market, it can also work seamlessly with different tools we have developed, such as magnetic grippers, vacuum grippers, dual-head grippers, and single-head grippers.
- Thanks to the Zero Gravity feature, our robotic arm provides collision protection and allows users to easily program it by manually holding and dragging the robotic arm.



# Teknik Özellikler

Project Start Date

13.03.2024

Project End Date

OnGoing

Gripper Weight

950 g

Gripper Opening Length

85 mm

Dimensions

44 x 75 x 58 cm

Number of Joints

6 pieces

Carrying Capacity

5 kg

Transport Mechanism

Gripper, Vacuum

Control

AR Mobil, AR-GUI

Joint Range of Motion

+/-175°

Emergency Stop

Available

Speed of Movement

45°/s

Access Distance

85 cm



# Robotic Arm Areas of Application Areas

01

## ELECTRONIC MANUFACTURING

It performs with high precision in the assembly and testing processes of electronic components.

02

## PACKAGING

It offers fast and effective solutions for tasks such as packaging, labeling, and palletizing products.

03

## EDUCATION AND RESEARCH

It is used for the development of robot technologies and for educational purposes. It provides practical application areas for students and engineers.

04

## MATERIAL HANDLING

Used for transporting and placing materials in storage areas. Provides an efficient workforce with high carrying capacities.



# THANK YOU




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