

# JACO™

## ROBOT ARM - RESEARCH EDITION



**MODULAR AND EFFICIENT,  
LIGHTWEIGHT ROBOT ARM.**



### **RAPID OUT-OF-BOX OPERATION**

The JACO Robot Arm is powered by a 24V battery or standard electrical plug. Take it out of the box, plug it in, and enjoy fluid, silent movements. It also has an open architecture, so your team can start programming on day one.

### **HIGH PAYLOAD TO WEIGHT RATIO**

The fully-enclosed carbon fibre structure is extremely strong and lightweight, allowing the JACO Robot Arm to be easily mounted to a mobile platform. With a high payload to weight ratio, JACO is ideal for manipulating everyday objects.

### **VERSATILE GRIPPING TECHNOLOGY**

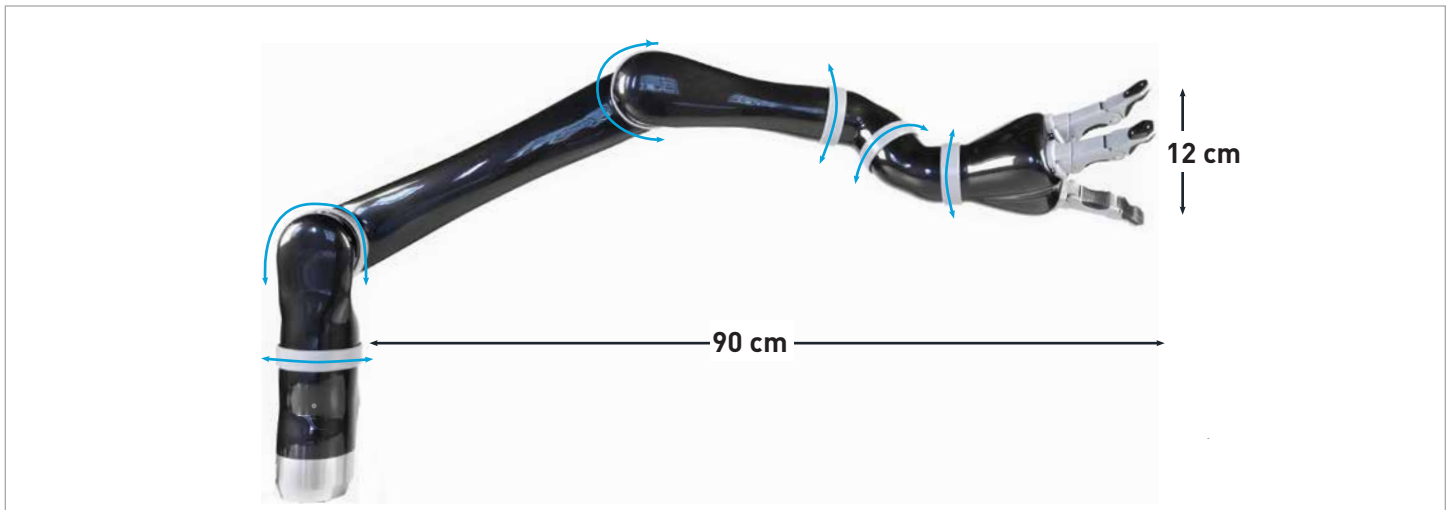
Safely handle objects by utilizing the three underactuated fingers. With 6 degrees of freedom and infinite rotation around the wrist joints, the JACO Robot Arm allows for flexible and effective interaction in almost any environment.

#### **A FEW OF THE INNOVATIVE FIRMS WHO USE OUR ROBOTS**



Contact us today for pricing and a free 30 minute technical assessment: 1-800-301-3863

# TECHNICAL SPECIFICATIONS



<b>MOVEMENT</b>	90cm / 35in reach 12cm / 4.7in gripper	<b>SPEED</b>	15cm/s 5.9in/s	<b>POWER CONSUMPTION</b>	<60W
<b>DEGREES OF FREEDOM</b>	6DOF	<b>PAYLOAD</b>	1.0kg / 2.2lbs full reach	<b>GRIPPER</b>	3 underactuated fingers
<b>WEIGHT</b>	5.7kg 12.5lbs	<b>COMMUNICATION</b>	USB	<b>API</b>	Windows, Linux, ROS

## SAMPLE APPLICATIONS

### MANIPULATION RESEARCH



JACO is designed with researchers in mind. By combining a **flexible open-source API** and **robust hardware design**, JACO is well equipped for academic and industrial R&D projects.

### MOBILE MANIPULATION



JACO's **strong yet lightweight design** make it perfectly suited as a **mobile manipulator**. JACO is easily mounted on a mobile platform, and with its sturdy design, it can be used for both indoor and outdoor research.

### REHABILITATION AND CARE



JACO can be attached to a variety of platforms, from wheelchairs to work stations. It is ideally suited as an assistant device, and the ultimate research tool for robot-assisted rehabilitation and care.

### REMOTE MANIPULATION



Robotic manipulation has obvious advantages in remote inspection of dangerous environments. **With low power consumption and an excellent weight-to-payload ratio**, JACO is a great fit for remote operation.

## CONTACT US FOR MORE INFORMATION

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