# **ROBOT ARMS**

JACO<sup>2</sup> 4-6 DOF MICO<sup>2</sup> 4-6 DOF



## SIMPLE, SEXY & SAFE

#### REDEFINING LIGHTWEIGHT ROBOT ARMS

Kinova's lightweight robot arms set the standard in service robotic manipulation. Light, compact and power efficient, these plug-and-play manipulators pave the way for brand new robotic applications.



## **SPECIFICATIONS**

## JACO<sup>2</sup>



TOTAL WEIGHT

PAYLOAD

REACH

MATERIALS

JOINT RANGE (SOFTWARE LIMITATION)

MAXIMUM LINEAR ARM SPEED

POWER SUPPLY VOLTAGE

AVERAGE POWER

COMMUNICATION PROTOCOL

COMMUNICATION CABLES

WATER RESISTANCE

OPERATING TEMPERATURE

6 DOF

4 DOF

2.6 Kg (mid-range continuous)

3.6 Kg 4.4 Kg (mid-range continuous)

2.2 Kg (full-reach peak/temporary) 3.5 Kg (full-reach peak/temporary)

Carbon fiber (links), Aluminum (actuators)

±27.7 turns

20 cm/s

18 to 29 VDC

25 W (5W in STANDBY)

100 W

RS485

20 pins flat flex cable

IPX2

-10 °C to 40 °C



## MICO<sup>2</sup>

TOTAL WEIGHT

PAYLOAD

REACH

MATERIALS

JOINT RANGE (SOFTWARE LIMITATION)

MAXIMUM LINEAR ARM SPEED

POWER SUPPLY VOLTAGE

AVERAGE POWER

PEAK POWER

COMMUNICATION PROTOCOL

COMMUNICATION CABLES

WATER RESISTANCE

OPERATING TEMPERATURE

6 DOF

4 DOF

4.6 Kg

3.8 Kg

2.1 Kg (mid-range continuous)

5.2 Kg (mid-range continuous) 1.5 Kg (full-reach peak/temporary) 2.7 Kg (full-reach peak/temporary)

Reinforced plastic (links), Aluminum (actuators)

±27.7 turns

20 cm/s 18 to 29 VDC

25 W (5W in STANDBY)

100 W

RS485

20 pins flat flex cable

IPX2

-10 °C to 40 °C





## **APPLICATIONS**

#### **MOBILE MANIPULATION**

Kinova's robot arms are the perfect solution for integrating a manipulation dimension to your mobile platform. They are the ideal partners to assist or replace technicians and professionals for inspection or manipulation in harsh, confined, hazardous or manufactur-ing environments. Light and compact, the arm can be integrated with the majority of existing mobile platform models. Moreover, due to its low power consumption, the robot arm will not significantly reduce the autonomy of the platform.

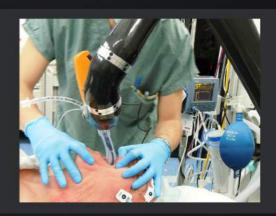


## **LOGISTICS**

Automating inspection/pick & place operations or working in collaboration with staff on the floor, Kinova's versatile robots have all the attributes needed to perform the various tasks leading to improving the quality and productivity of your facility.



With their modular configuration and the low backlash of their actuators, Kinova's robot arms are the perfect helping arm for medical operations.





### **RESEARCH**

If you require service robotic manipulation for a project, our robots and components are fully designated to answer all your requirements. Whatever your level in robotics, our flexible solutions can create an appropriate configuration for your project. Over 150 labs have adopted our robots for applications ranging from BCI control to humanoid manipulators.



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