

# It's compact.

The MCS500 is the world's most compact and most precise SCARA robot. Reduce your footprint with ease of use at a low cost.



# Compact and precise like no other robot.

A new level of  
microautomation efficiency

With fast cycle times and mounting  
flexibility, Mecademic's SCARA robot is  
ideal for pick-and-place, assembly, lab  
automation, and other applications.



# About the MCS500

This SCARA robot offers a unique combination of simplicity, precision, and high performance at significantly lower overall costs than the competition.

**1  $\mu$ m**

RESOLUTION

**5  $\mu$ m**

REPEATABILITY

**500 g<sup>\*</sup>**

RATED PAYLOAD

**225 mm**

REACH



## Ultra compact

Controller embedded into the base



## Flexible

Can be mounted upside-down as well



## Highly precise

Boasts 0.005 mm repeatability



## Easy to integrate

Software and hardware agnostic



## Industrial performance



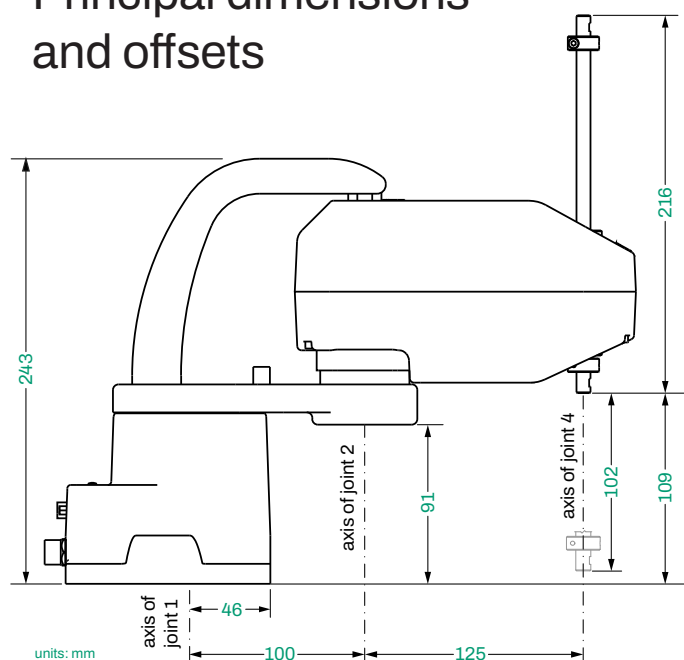
Embedded controller

\* Rated payload is 500 g.  
Max. payload is 1 kg, under certain conditions.

Ultra small, super precise,  
and simple to use.

The MCS500 is smaller than any other SCARA robot in the market. It's the perfect choice for applications with extreme footprint limitations.

## 02 Principal dimensions and offsets



Visit the product  
page for more



## 01 Key specifications

Rated payload	500 g <sup>*</sup>
Total weight	4.3 kg
Reach	225 mm
Mounting orientations	tabletop or upside down
Cycle time	0.42 s <sup>**</sup>

<sup>\*</sup> Rated payload is 500 g. Max. payload is 1 kg, under certain conditions.

<sup>\*\*</sup> Cycle time based on round-trip arch motion (100 mm horizontal, 25 mm vertical) with rated payload.

## 03 Supported fieldbus

EtherNet/IP<sup>™</sup> **PROFI**<sup>®</sup>  
**NET** EtherCAT<sup>®</sup>

## 04 Language agnostic using TCP Socket

   python<sup>™</sup>  LabVIEW<sup>™</sup>  
and others.

## 05 Provided API

 python<sup>™</sup>