

Pushing Automation Further, Faster

The **MCS500** is the world's most compact, and most precise SCARA robot system. Designed for straightforward integration, the new **MCS500** immediately delivers maximum efficiency and precision at low cost.



Ultra compact

Has its controller embedded into the base



Extra small

Requires a smaller footprint than comparable market options



Highly precise

Boasts 0.005 mm repeatability



Energy efficient

Consumes around 100 W



Easy to integrate

Can be mounted upside-down too

Redefining pick & place for micro applications

With fast cycle times and mounting flexibility, the MCS500 is ideal for a variety of applications including pick and place, assembly, lab automation, and more. This robust robot is unique in that it offers a combination of simplicity, precision, and high performance at significantly lower overall costs than competitive models.




Specifications

Payload	0.5 kg rated (max. 1 kg)
Horizontal reach	225 mm
Z stroke	102 mm
Cycle time*	0.42 s
Maximum joint speeds	Joint 1: 300°/s Joint 2: 500°/s Joint 3: 700 mm/s Joint 4: 5000 °/s
Total weight	4.3 kg
Power supply	80-250 VAC / 50-60 Hz
Power consumption	100 W

Communication

EtherCAT

PROFINET


TCP Socket

EtherNet/IP

Programming languages





 LabVIEW

 python

& more

ISO 10218-1 / UL 1740 (certification pending)

*Cycle time based on round-trip arch motion (100 mm horizontal, 25 mm vertical) with 500 g payload.