INDUSTRIAL ROBOTICS IN THE PALM OF YOUR HAND

MECA500

SAVE SPACE
Make optimal use of your confined space by using the Meca500, the 6-axis industrial robot with the smallest footprint and all-in-one design. Go compact.

IMPROVE QUALITY
Reliably automate micropositioning tasks and delicate manipulations thanks to Meca500's unrivaled precision and accuracy. Choose perfection.

GAIN CONTROL
Integrate the Meca500 into your system or production line without hassle, thanks to the robot's simple but powerful connectivity. Embrace usability.

optional electric gripper

built-in controller

precision servo control

zero-backlash gearboxes

safety module with power supply

Meca Academy
TECHNICAL SPECIFICATIONS

Payload 0.5 kg
Repeatability 0.005 mm
Reach (at wrist center) 260 mm
Total weight 4.5 kg
Range of joint 1 −175° to +175°
Range of joint 2 −70° to +90°
Range of joint 3 −135° to +70°
Range of joint 4 −170° to +170°
Range of joint 5 −115° to +115°
Range of joint 6 ±100 revolutions
Speed of joints 1–6 \{150, 150, 180, 300, 300, 500\} °/s
Brakes on joints 1, 2 and 3
Robot mounting any orientation
Safety module Category 3, PL d
Power supply 90-264 VAC, 50-60 Hz (in) / 24 VDC (out)
Communication Ethernet TCP Socket, EtherCAT
Controller embedded in robot base
Protection rating IP 40

Disclaimer: Specifications of the product do not constitute a warranty of the properties. They are intended for information purposes only and are subject to change.