MECADEMIC

Adaptable automation for confined spaces

MECA500

Precise
Ultracompact
Easy to integrate

MECA500

DIFFERENTIATE YOUR WORK

SAVE SPACE

Make optimal use of your space by using the Meca500, the industrial robot with the smallest footprint and no controller cabinet. Go compact.

GAIN FLEXIBILITY

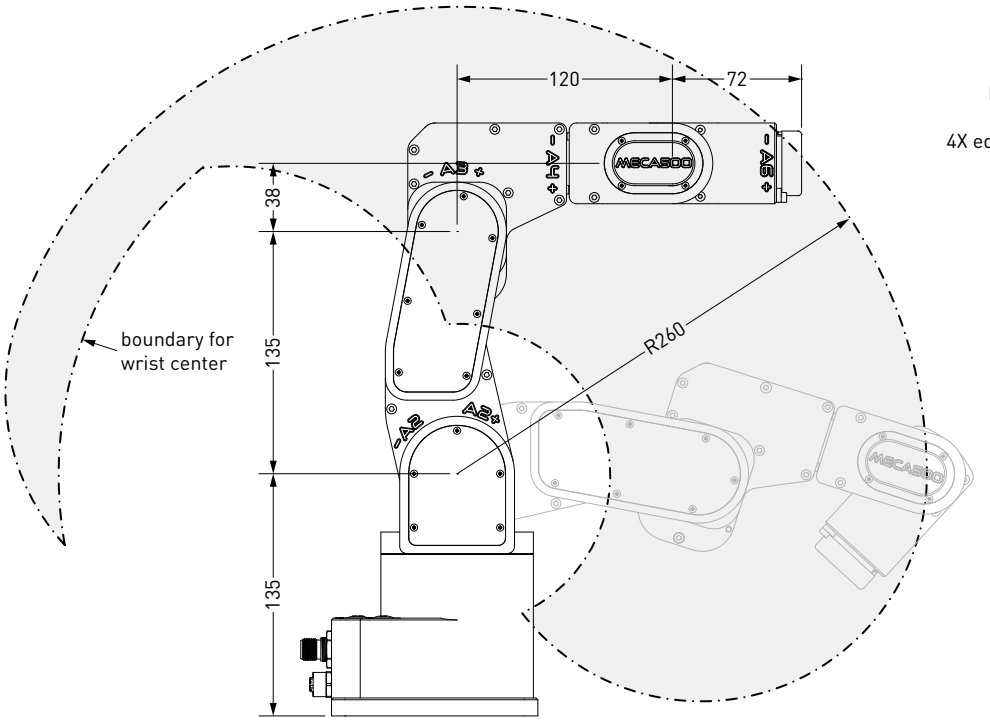
Switch from fixed to flexible automation by integrating a six-axis robot to your system or production line. Enjoy a customizable solution.

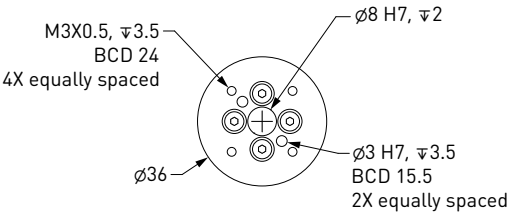
EXCEED EXPECTATIONS

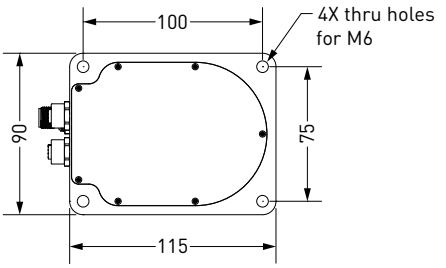
Automate high-precision tasks and delicate manipulations thanks to Meca500's 5-µm position repeatability. Reach for precision.

APPLICATIONS

- Inspection & testing
- Material handling
- Micro assembly
- Precision insertion
- Gluing







units: mm

TECHNICAL SPECIFICATIONS

Payload	0.5 kg
Reach (at wrist center)	260 mm
Position repeatability	0.005 mm
Weight (including the embedded controller)	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	-175° to +175°
Maximum speed of joints 1–3	135 °/s
Maximum speed of joints 4–6	270 °/s
Brakes	on joints 1, 2 and 3
Protection rating	IP 40
Supply voltage	24 V / 9.17 A
Communication	Ethernet TCP Socket 10/100 Mbps
Signal supply (on wrist)	1 (for optional proprietary electric parallel gripper)

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

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