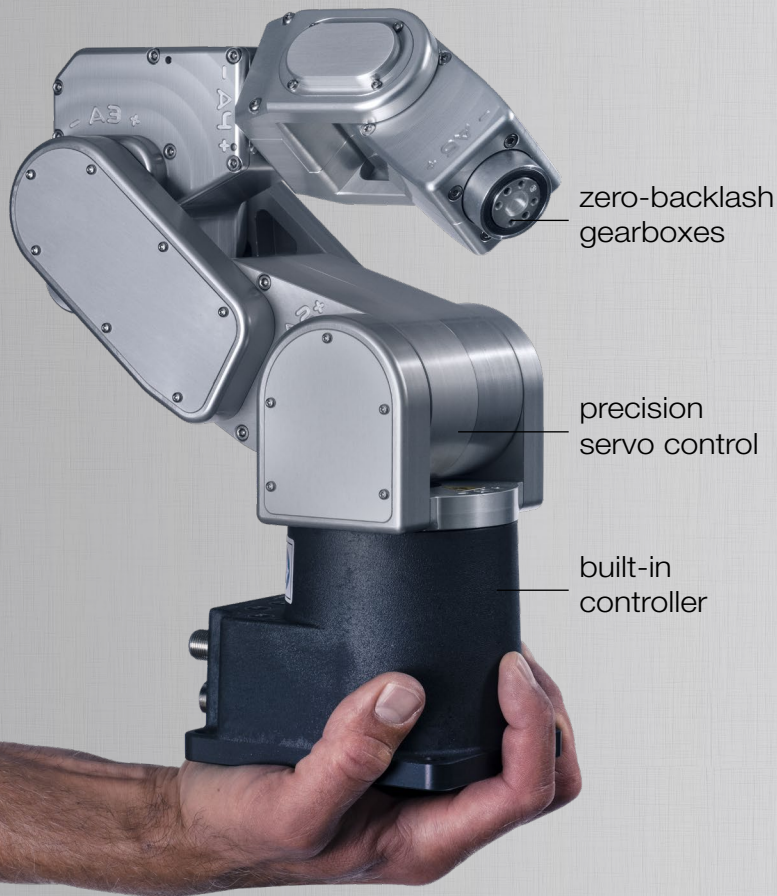


INDUSTRIAL ROBOTICS IN THE PALM OF YOUR HAND



zero-backlash gearboxes

precision servo control

built-in controller

MECA500

SAVE SPACE

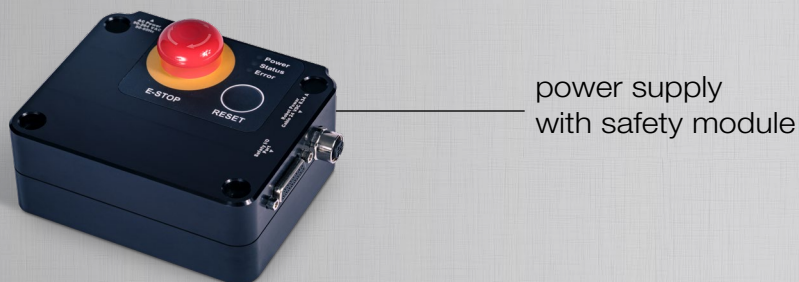
Make optimal use of your confined space by using the Meca500, the 6-axis industrial robot with the smallest footprint and all-in-one design. Go compact.

IMPROVE QUALITY

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

GAIN CONTROL

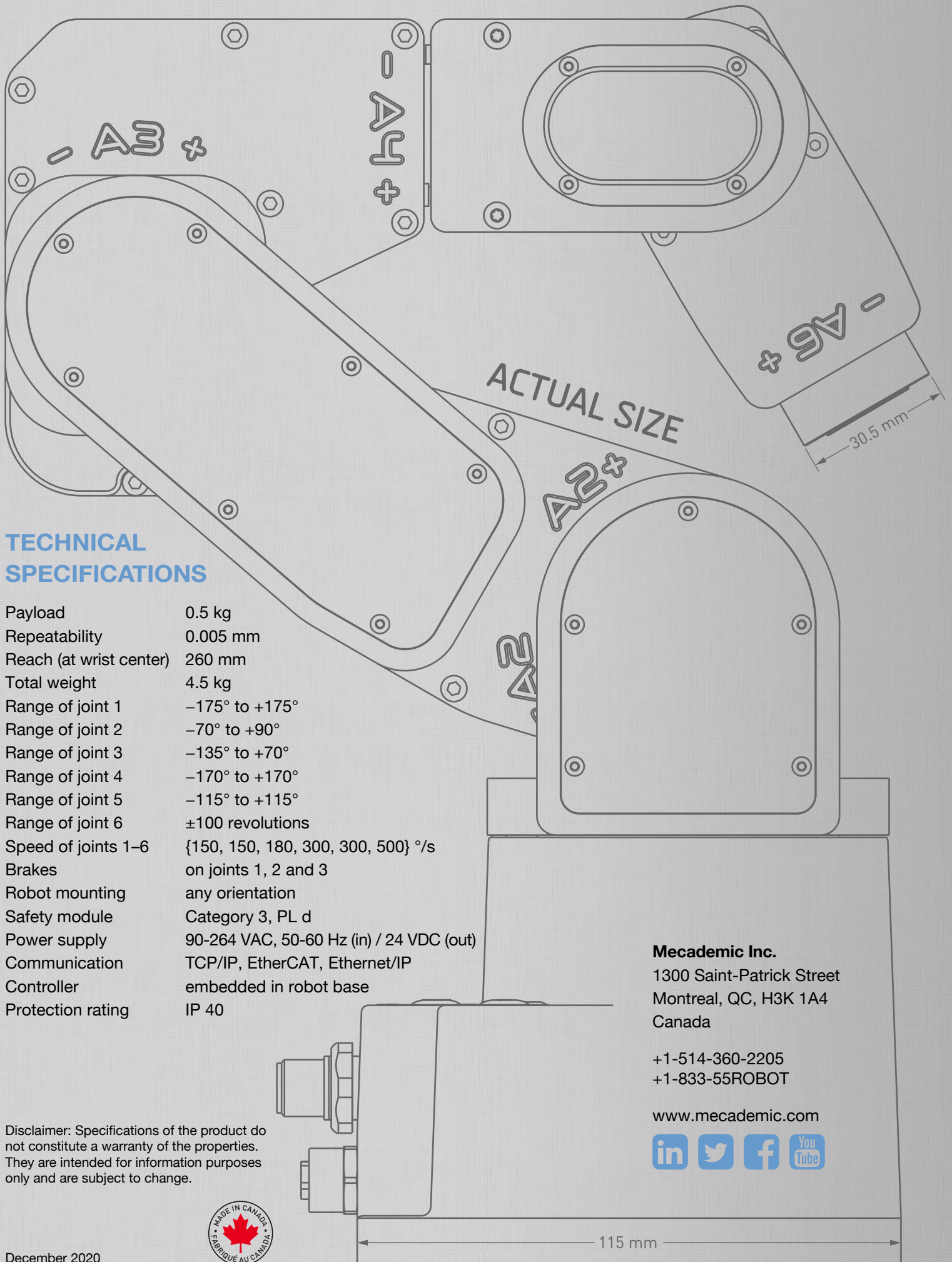
Integrate the Meca500 into your system or production line without hassle, thanks to the robot's simple but powerful connectivity. Embrace usability.



power supply with safety module

optional, fully-integrated end-of-arm-tooling





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 | TCP/IP, EtherCAT, Ethernet/IP |
| 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.



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115 mm