Enabling New Automation Possibilities

The Meca500 is the world's smallest, most compact, and most precise six-axis industrial robot arm. Designed as an easy to use plug-and-work automation component, the Meca500 delivers high performance with low power consumption.

- **Highly precise**
  Boasts 0.005 mm repeatability

- **Extra small**
  Is 2x smaller than comparable market options

- **Ultra compact**
  Has its controller embedded into the base

- **Energy efficient**
  Consumes around 30 W

- **Easy to integrate**
  Can be mounted in any orientation
Versatile End-of-Arm Tooling

Mecademic offers a variety of end-of-arm tooling suited for all kinds of industrial applications as well as universal compatibility for a wide range of components & peripheral devices.

Electric Parallel Grippers
MEGP 25LS / MEGP 25E
Easily control gripping distance, speed, and force

Dry Adhesion Gripper
Array / Macro / Meso / Micro
Grab fragile parts with utmost precision and without leaving marks

Pneumatic Module
MPM500
Control various pneumatic EOAT components

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload</td>
<td>0.5 kg rated (max. 1 kg)</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.005 mm</td>
</tr>
<tr>
<td>Reach</td>
<td>330 mm</td>
</tr>
<tr>
<td>Power consumption</td>
<td>30 W</td>
</tr>
<tr>
<td>Power supply</td>
<td>90-264 VAC / 50-60 Hz</td>
</tr>
<tr>
<td>Total weight</td>
<td>4.6 kg</td>
</tr>
</tbody>
</table>

Communication

- EtherCAT
- PROFIBUS "NET"
- TCP Socket
- EtherNet/IP

Programming languages

- C
- LabVIEW
- Python & more

Mecademic
INDUSTRIAL ROBOTICS

www.mecademic.com

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