**New Medium Type Multi-purpose Robot LA-1800**

**High payload capacity**
- High class performance
- **26 kg** payload

**High-speed operation**
- High class performance
- Maximum motion speed: **370 °/s** (average for all axes)

**Wide working range**
- High class performance
- Maximum working range: **1 801 mm**

*1 Available to the medium type material handling robot with the payload capacity 15 kg or more and fewer than 30 kg, (according to our research as of February 2019)

**Various applications**
- **Materials handling style**
  - Transport/Assembly/Processing work
  - Collaboration with welding robots
- **Welding style**
  - TAWERS (WGⅢ/WGHⅢ)
  - External welding machine
- **Hybrid style**
  - Simultaneously installed tool & torch
  - Fixed torch

*2 Not all of the styles we can produce, depending on the application or welding method etc., please consult us for details.
**Safety precautions**
Before attempting to use any welding product always read the manual to ensure correct use.

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**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>LA-1800</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Multi-purpose Medium Type</td>
</tr>
<tr>
<td><strong>Structure</strong></td>
<td>6 axis articulated</td>
</tr>
<tr>
<td><strong>Payload</strong></td>
<td>26 kg</td>
</tr>
<tr>
<td><strong>Maximum Reach</strong></td>
<td>1801 mm</td>
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<tr>
<td><strong>Minimum Reach</strong></td>
<td>489 mm</td>
</tr>
<tr>
<td><strong>Working Range</strong></td>
<td>1312 mm</td>
</tr>
<tr>
<td><strong>Max. Motion Speed</strong></td>
<td></td>
</tr>
<tr>
<td>RT (Rotating Trunk)</td>
<td>201°/s</td>
</tr>
<tr>
<td>UA (Upper Arm)</td>
<td>199°/s</td>
</tr>
<tr>
<td>FA (Forearm)</td>
<td>218°/s</td>
</tr>
<tr>
<td>RW (Rotating Wrist)</td>
<td>434°/s</td>
</tr>
<tr>
<td>BW (Bending Wrist)</td>
<td>450°/s</td>
</tr>
<tr>
<td>TW (Twisting Wrist)</td>
<td>720°/s</td>
</tr>
<tr>
<td><strong>Position Repeatability</strong></td>
<td>±0.07 mm</td>
</tr>
<tr>
<td><strong>Motors</strong></td>
<td>Total Power 6600 W</td>
</tr>
<tr>
<td></td>
<td>Brakes All axes</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>Floor/Ceiling*</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>320 kg</td>
</tr>
</tbody>
</table>

*Ceiling mount type is factory optional.

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**Panasonic Corporation**
Process Automation Business Division, Process Innovation Center
1-1, 3-chome, Inazawa-cho, Toyonaka, Osaka 561-0854 Japan
TEL: 81-6-6866-8505 FAX: 81-6-6866-0709
http://www.panasonic.com/jp/company/psfs.html

**Panasonic Smart Factory Solutions Co., Ltd.**
http://www.panasonic.com/jp/company/psfs.html

**Panasonic Smart Factory Solutions (Tangshan) Co., Ltd.**
No.9 Qingnan Rd., Tangshan New & Hi-Tech Industrial Park, 063020 Hebei, China
http://pwst.panasonic.cn

**Panasonic Smart Factory Solutions India**
Industrial Plot No.1, Village Bid Dadri, Jhajjar - 124103, Haryana, India

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**Panasonic System Solutions Company of North America**
1701 Golf Road, Suite 3-1200 Rolling Meadows, IL 60008 USA
http://www.panasonicica.com

**Panasonic Industry Europe GmbH**
Jagenbergstr 11a, D-41468 Neuss Germany
TEL: 49-2131-60899-0 FAX: 49-2131-60899-200
http://eu.industrial.panasonic.com/

**Panasonic Industrial Devices Sales (Thailand) Co., Ltd.**
252/133 Muang Thai-Phatra Complex Building, 31st Fl.
Rachadaphisek Rd., Huaykwang, Bangkok 10320 Thailand
TEL: 662-693-3421 FAX: 662-693-3427

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Dimensions & Working Envelope (Unit: mm) For working envelope of point 0, consult us.