**P-1000iA**

**Design**

The P-1000iA is a unique painting robot with seven integrated axes. It has an optimally positioned arm for interior & exterior paint programs.

**Working range P-1000iA (plastic arm)**

![Diagram of P-1000iA (plastic arm)](image1)

**Working range P-1000iA (metal arm)**

![Diagram of P-1000iA (metal arm)](image2)

**Features**

**Application**

- Easy access to all critical process components
- Maximized performance with in-arm process components
- Integrated fluid delivery systems with FANUC Servo Motors
- Direct charge waterborne and 1K and 2K solventborne systems
- 140° hollow wrist optimized for demanding paint processes
- Inverted pedestal installation and balanced arm
- Payload supports a range of rotary atomizers and spray guns

**Controller**

- A compact and stackable R-30iB paint controller
- Single arm and dual arm controller support
- Supported by the iPendant color graphical teach pendant
- Integrated support of hood, deck and door opener controls
- Supports all major network communications protocols

**Software Options**

- Utilizes the industry's most powerful & easy-to-use interface – PaintTool
- Mechanical unit and paint process equipment are monitored and protected by FANUC's Zero Down Time package
- Pressure vs. Flow Monitoring Software detects fluid delivery system problems in real-time
- ROBOGUIDE PaintPRO offline 3D programming

**Max. load capacity at wrist: 15 kg**

**Max. reach: 2848 mm**

*While operating at 1200 mm/s*

---

888-FANUC-US | FANUCAMERICA.COM | © 2022 FANUC AMERICA CORPORATION
<table>
<thead>
<tr>
<th>Series</th>
<th>Version</th>
<th>Arm Material</th>
<th>Max. load capacity at wrist (kg)</th>
<th>Reach (mm)</th>
<th>Controlled axes</th>
<th>Repetitivit (mm)</th>
<th>Mechanical weight (kg)</th>
<th>Motion range (°)</th>
<th>Maximum speed (°/s)</th>
<th>Allowable load moment at wrist (Nm)</th>
<th>Allowable load inertia at wrist (kg m²)</th>
<th>Input power source (VAC) (50-60 HZ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-1000</td>
<td>iA</td>
<td>Plastic</td>
<td>15</td>
<td>2848</td>
<td>± 0.08</td>
<td>700</td>
<td>±110</td>
<td>±120</td>
<td>±720</td>
<td>±720</td>
<td>±720</td>
<td>±720</td>
</tr>
<tr>
<td>P-1000</td>
<td>iA</td>
<td>Metal</td>
<td>15</td>
<td>2896</td>
<td>± 0.08</td>
<td>700</td>
<td>±110</td>
<td>±120</td>
<td>±720</td>
<td>±720</td>
<td>±720</td>
<td>±720</td>
</tr>
</tbody>
</table>

P-1000iA Paint robot

**Plastic Arm**

**Metal Arm**