Paint Mate 200iA

Design
The FANUC Paint Mate robot is an intelligent, electric servo-driven paint robot with a small footprint and versatile envelope.

Features
- Can be used for small parts painting or a material saving alternative to multiple fixed guns
- Best-in-class performance designed for operation in a hazardous environment
- Based on the highly-acclaimed LR Mate® series
- Envelopes, speed, and dexterity are a perfect fit for coatings and hazardous duty applications
- iRVision controller integrated with every robot
- Offline teaching capability
- Parallel J2 link allows smooth motion
- High Reliability with FANUC standard purge module
- Utilizes FANUC toolbox of MH software:
  - Collision guard
  - Accuracy tools
  - Advance constant path

Options
- Floor, angle, and ceiling mount configurations
- One or four pneumatic three-way solenoid valves located in the purge cavity for gun triggering capability
- Slim Arm:
  - Suitable at narrow space operation
  - Lightest weight (35kg) in its class
- Purged and Pressurized Arm:
  - FM and ATEX Class 1 Div.1 Approved
  - 1.8 min Purge Time

Working range Paint Mate 200iA

Working range Paint Mate 200iA/5L

Max. load capacity at wrist: 5 kg
Max. reach: 892 mm*

* For the Paint Mate 200iA/5L

888-FANUC-US | FANUCAMERICA.COM | © 2020 FANUC AMERICA CORPORATION
## Paint Mate 200iA

**Max. load capacity at wrist:** 5 kg  
**Max. reach:** 892 mm

<table>
<thead>
<tr>
<th>Robot</th>
<th>Series</th>
<th>Version</th>
<th>Type</th>
<th>Max. load capacity at wrist (kg)</th>
<th>Reach (mm)</th>
<th>Controlled axes</th>
<th>Repeatability (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)</th>
<th>50-60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint Mate</td>
<td>iA</td>
<td>-</td>
<td>5</td>
<td>± 0.02</td>
<td>704</td>
<td>6</td>
<td>35</td>
<td>340</td>
<td>200</td>
<td>388</td>
<td>240 720</td>
<td>350 350 400 450 450 720</td>
<td>11.9 11.9 .3 11.9 .3 11.9 .3 6.7 .1 6.7 .1</td>
<td>200-230 +10/-15%</td>
</tr>
<tr>
<td>Paint Mate iA/5L</td>
<td>-</td>
<td>5</td>
<td>892</td>
<td>± 0.03</td>
<td>230</td>
<td>6</td>
<td>37</td>
<td>340</td>
<td>230</td>
<td>373</td>
<td>240 720</td>
<td>270 270 450 450 450 720</td>
<td>11.9 11.9 .3 11.9 .3 11.9 .3 6.7 .1 6.7 .1</td>
<td>200-230 +10/-15%</td>
</tr>
</tbody>
</table>

**Paint Mate 200iA**  
Paint robot

**Paint Mate 200iA**  
Paint robot

**Paint Mate 200iA/5L**  
Paint robot

---

### Footprint Details

<table>
<thead>
<tr>
<th>Footprint Details</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>R 704</td>
<td>251</td>
</tr>
<tr>
<td>R 181</td>
<td>265</td>
</tr>
<tr>
<td>10°</td>
<td></td>
</tr>
<tr>
<td>10°</td>
<td></td>
</tr>
</tbody>
</table>

### Mounting Holes

<table>
<thead>
<tr>
<th>Holes Details</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 X 11.0 THRU jn 0.50</td>
<td>31.51</td>
</tr>
</tbody>
</table>

### Bolt Circle

<table>
<thead>
<tr>
<th>Bolt Circle Details</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° M5X0.8 - 6H</td>
<td>8.0</td>
</tr>
</tbody>
</table>

---