Robot FANUC Paint Mate 200iA
Max. load capacity 5 kg – max. reach 704 mm

FANUC Robotics’ Paint Mate 200iA robot is a compact, electric servo-driven paint robot with best-in-class performance designed for operation in a hazardous environment. Based on the highly-acclaimed LR Mate® series, this robot’s envelopes, speed, and dexterity are a perfect fit for coatings and hazardous duty applications. The Paint Mate can be used for small parts painting or a material saving alternative to multiple fixed guns.

**Paint Mate, the solution for**
- Painting and coating
- Assembly and handling in hazardous environments
- Material removal where hazardous cooling chemicals are present
- Dispensing

**Features**
- /Pendant™, a colour, Internet-ready teach pendant for even easier programming and custom cell user interface design
- Optional one or four pneumatic three-way solenoid valves located in the purge cavity for gun triggering capability
- Floor, invert, angle and wall mounting permits versatility for robot location and allows for minimal spray booth size
- Absolute serial encoders eliminate the need for calibration at power-up
- Standard FANUC Robotics purge control
- ATEX Cat II Group 2G and 2D
- Tabletop size, slim wrist, and small footprint permit operation in tight work spaces
- Extremely fast acceleration and deceleration motion results in faster cycle times

**Reliability and maintenance advantages**
- The latest generation of a proven design
- Sealed bearings and brushless AC motors
- Purged and pressurized cavities
- Designed for painting environment

**Software**
PaintTool™ software with optional configurations for stand alone or multi robot systems with built-in paint function controls:
- Analog parameter control
- Colour change control
- “Cancel/Continue” feature
- Integral 2K variable ratio pump control
- ACCUFLOW™ closed-loop fluid control
- Line tracking
- Collision detection
- Internet connectivity
- KAREL® programming language

Process control hardware must be added separately.
Technical Data

Robot FANUC Paint Mate 200iA

Maximum load capacity wrist: 5 kg
Maximum reach: 704 mm
No. of axes: 6
Repeatability: +/- 0.02 mm
Weight (mechanical): 35 kg
Average power consumption: 0.5 kW
Protection body: ATEX certified Cat. II Group 2G and 2D
Controller: R-30iB, Mate cabinet, iPendant Touch (standard)

<table>
<thead>
<tr>
<th>Axis</th>
<th>Motion Range</th>
<th>Max. Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1</td>
<td>340°</td>
<td>350°/sec</td>
</tr>
<tr>
<td>J2</td>
<td>200°</td>
<td>350°/sec</td>
</tr>
<tr>
<td>J3</td>
<td>388°</td>
<td>400°/sec</td>
</tr>
<tr>
<td>J4</td>
<td>380°</td>
<td>450°/sec</td>
</tr>
<tr>
<td>J5</td>
<td>240°</td>
<td>450°/sec</td>
</tr>
<tr>
<td>J6</td>
<td>720°</td>
<td>720°/sec</td>
</tr>
</tbody>
</table>

Motion range and dimensions