PERFECT FINISH – PAINTED BY THE SPECIALIST.

Robot FANUC Paint Mate 200iA/5L
Max. load capacity 5 kg – max. reach 892 mm
Long arm version

Features
• i/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 standalone 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.

FANUC Robotics’ Paint Mate 200iA/5L 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
Technical Data

Robot FANUC Paint Mate 200iA/5L

Maximum load capacity wrist: 5 kg
Maximum reach: 892 mm
No. of axes: 6
Repeatability: +/- 0,03 mm
Weight (mechanical): 37 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)

Motion range and dimensions

<table>
<thead>
<tr>
<th>Axis</th>
<th>Motion range</th>
<th>Max. speed</th>
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<tbody>
<tr>
<td>J1</td>
<td>340°</td>
<td>270°/sec</td>
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<tr>
<td>J2</td>
<td>230°</td>
<td>270°/sec</td>
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<tr>
<td>J3</td>
<td>373°</td>
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<td>380°</td>
<td>450°/sec</td>
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<td>J5</td>
<td>240°</td>
<td>450°/sec</td>
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<tr>
<td>J6</td>
<td>720°</td>
<td>720°/sec</td>
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