Paint Robot

**FEATURES**

FANUC Robot P-250iB is a large size paint robot with 15kg payload capacity.

- Long reach of 2800mm, variety of mounting types, and right or left side of offset arm enable flexible layout and compact spraybooth.

- The ability to integrate process components in the inner arm in close proximity to the applicator can reduce required cleaning time and amount of wasted paint materials at the time of color change.

- Auxiliary motors for paint process are integrated in the outer arm.(Option, maximum 2 axes)

- Offset hollow wrist structure offers easy integration of process hoses and enables entering into narrow space to paint.

- Adequate load capacity at wrist supports a variety size of applicators.

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**Application Example**

Wall Mount Base Option

Automotive Large Part Painting System
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>P-250iB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Articulated Type</td>
</tr>
<tr>
<td>Controlled axes</td>
<td>6 axes (J1, J2, J3, J4, J5, J6)</td>
</tr>
<tr>
<td>Reach</td>
<td>2800 mm</td>
</tr>
</tbody>
</table>

#### Installation

<table>
<thead>
<tr>
<th>Motion range (Maximum speed)</th>
<th>J1 axis rotation</th>
<th>J2 axis rotation</th>
<th>J3 axis rotation</th>
<th>J4 axis wrist rotation</th>
<th>J5 axis wrist swing</th>
<th>J6 axis wrist rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Note 1)</td>
<td>320° (160°/s)</td>
<td>5.59 rad (2.79 rad/s)</td>
<td>330° (160°/s)</td>
<td>1080° (375°/s)</td>
<td>1080° (430°/s)</td>
<td></td>
</tr>
<tr>
<td>Note 1</td>
<td>6.6 kgf-m</td>
<td>5.6 kgf-m</td>
<td>7.4 kgf-m</td>
<td>3.0 kgf-m</td>
<td>5.76 rad (2.79 rad/s)</td>
<td></td>
</tr>
<tr>
<td>Max. load capacity at wrist</td>
<td>15 kg</td>
<td>15 kg</td>
<td>15 kg</td>
<td>15 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. load capacity on outer arm</td>
<td>15 kg</td>
<td>15 kg</td>
<td>15 kg</td>
<td>15 kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Drive method

Electric servo drive by AC servo motor

### Note 1

During short distance motions, the axis speed may not reach the maximum value stated.

### Note 2

Without controller.

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