P-250iB

Design
The P-250iB is the industry’s most flexible and advanced six-axis paint robot available on the market.

Working range P-250iB

Features
- Standard process hose routing and management
- Options for single or dual integrated process axis motors on the outer arm
- Optional Nylon-12 non-conductive outer arm and wrist available
- Optional seventh-axis rail for larger envelope requirements
- Standard integrated diagnostic and reporting capabilities
- “Flip-Over” capability provides the industry’s largest work envelope
- Balanced arm design provides excellent near reach and stroke length
- Built-in process parameter diagnostic monitoring and reporting provides integrated real-time strip chart capability
- Supports all major network communication protocols

Options
- Floor, wall, angle, and ceiling mount configurations
- Easily configured left hand or right hand arm to maintain symmetry across the booth
- Designed for ease of maintenance and easy access to all critical components
- High arm and wrist payload design supports a variety of applications including rotary atomizers, conventional and electrostatic spray guns and multi-gun configurations
**P-250iB**

<table>
<thead>
<tr>
<th>Robot</th>
<th>Max. load capacity at wrist [kg]</th>
<th>Max. reach: [mm]</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>
</tr>
</thead>
<tbody>
<tr>
<td>P-250</td>
<td>15</td>
<td>2800</td>
<td></td>
<td></td>
<td>J4 55 65</td>
<td>11.5 .35</td>
<td>380-575 +10/-15%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>J1 J2 J3 J4 J5 J6</td>
<td></td>
<td>J4 55 65</td>
<td>11.5 .35</td>
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<td></td>
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<td>530 320 280 330 1080 1080</td>
<td></td>
<td>375 430 545</td>
<td>11.5 .35</td>
<td></td>
</tr>
</tbody>
</table>

**Paint robot**

**Diagram:**
- **Full work envelope**
- **Iron pedestal**
- **Allen base**
- **Cables**
- **Axes shown in zero position**
- **Axes shown in maximum reach**

**Diagram Details:**
- **Point used to generate envelope**
- **Point A**
- **Max. load capacity at wrist: 15 kg**
- **Max. reach: 2800 mm**

**Specifications:**
- **Motion range [°]:**
  - J1: 530 ± 0.07
  - J2: 320
  - J3: 280
  - J4: 330
  - J5: 1080
  - J6: 1080
- **Maximum speed [°/s]:**
  - J1: 1080
  - J2: 160
  - J3: 160
  - J4: 160
  - J5: 375
  - J6: 430
  - J4: 545
  - J5: 55
  - J6: 65
- **Max. load capacity at wrist: 15 kg**
- **Max. reach: 2800 mm**
- **Input power source [VAC]:**
  - 50-60 HZ