P-50iB

Design

The P-50iB is a highly flexible and advanced six-axis paint robot for a wide range of painting applications.

Working range P-50iB/10L

Max. load capacity at wrist: 10 kg
Max. reach: 1800 mm

Features

• Ability to package process components in the outer arm in close proximity to the applicator for rapid, accurate, and consistent application performance
• Optional transducers and trigger valve are built into the inner arm for fast process control
• Flip-Over capability provides for a wide variety of work envelopes
• Balanced arm design provides excellent near reach and stroke
• New Mate Controller is compact but with same powerful processor as larger robots
• 140 degree hollow wrist to allow for tight process demands
• Dual Check Safety enables smaller booths and lower system costs

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
Paint robot

Max. load capacity at wrist: 10 kg
Max. reach: 1800 mm

| Robot | Max. load capacity at wrist (kg) | Reach (mm) | Controlled axes | Mechanical weight (kg) | J1  | J2  | J3  | J4  | J5  | J6  | J1  | J2  | J3  | J4  | J5  | J6  |
|-------|----------------------------------|------------|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| P-50  |                                  |            |                 |                       | 320 | 240 | 404 | 1080| 1080| 140 | 140 | 160 | 375 | 430 | 545 |

Input power source (VAC) 150-400/Hz

NOTES:
1. ROBOT SHOWN WITH OPTIONAL PEDESTAL
2. FLEX FIELD MAX. OPERATION RADIUS MUST NOT BE VIOLATED

LH INNER ARM OFFSET CONFIGURATION SHOWN