



PERFECT FINISH – PAINTED BY THE SPECIALIST.

Robot FANUC P-50iB/15

Max. payload 15 kg – max. reach 1400 mm
Hollow Wrist



The advanced FANUC painting robot P-50iB/15 is a highly flexible and compact six-axis robot for a wide range of applications.

He has a hollow wrist and internally routed paint lines. They are easy to clean and safely avoid dripping and contamination by paint residue.

Due to the large work area as well as by ceiling or wall mounting the robots can process even larger work pieces. High axis speed achieves best cycle times and process speeds. The high payload capacity of up to 15kg allows the use of all types of paint spray guns, applicators and accessories.

The ultra-compact design of the P-50iB/15 helps to further reduce the size of paint booth to a minimum, further reduce air and energy consumption. With valves installed on the J3-arm, paint hose lengths are minimized, speeding up response times, minimizing paint consumption and improving quality. Precise movements, rapid reorientation optimise quality and reduce overspray.

P-50iB/15 standard type is designed for floor, wall and ceiling mounting with 15 kg payload and 1.4 m reach.

In addition, the P-50iB/15 robots offer explosion protection according to CE standards and is certified according to ATEX Cat II 2 G and ATEX Cat II 2 D as well as for the North American standard FM (Class I, II, III).

Features and benefits

- Floor, wall, angle, and ceiling mount configuration
- 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 capacity support a variety of applications including rotary atomizers, conventional and electrostatic spray guns and multi-gun configurations

Process advantages

- 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 valves are built into the inner arm for fast process control
- Flip-Over capability provides for a large work envelope
- Balanced arm design maximizes stroke length
- 700 mm inner arm and 700 mm outer arm offers 15 kg payload
- Compact R-30iB Mate Controller has the same powerful processor as larger robots
- Hollow wrist allows for compact and demanding process routing

Technical data

Roboter FANUC P-50iB/15

Maximum load capacity wrist:	15 kg
Maximum reach:	1400 mm
No. of axes:	6
Repeatability:	+/- 0,2 mm
Weight (mechanical):	323 kg
Average power consumption:	0,8 kW
Protection body:	ATEX certified cat. II group 2G and 2D
Controller:	R-30iB, Mate cabinet, iPendant Touch (standard)

	Motion range	Max. speed
Axis J1:	320°	140°/sec
Axis J2:	240°	140°/sec
Axis J3:	404°	160°/sec
Axis J4:	1080°	375°/sec
Axis J5:	1080°	430°/sec
Axis J6:	1080°	545°/sec

Motion range and dimensions

