



PERFECT FINISH – PAINTED BY THE SPECIALIST.

Robot FANUC P-250iB/15

Max. payload 15 kg – max. reach 2800 mm
Hollow wrist



The advanced and highly flexible six-axis painting robot P-250iB/15 by FANUC is adaptable in its mounting configuration to accommodate the most demanding of painting applications. The P-250iB/15 has a hollow wrist, internally routed paint line for maximum cleanliness, the “open architecture” design allows the use of integrated process and application equipment.

Process equipment, valves, motors for dosing pumps, etc. can be mounted inside purged cavities inside the robot arm (J2 and J3-axis). Thus, there are even less interference contours on the robot arm, it is easier to clean, and dripping and contamination by paint residue are safely avoided.

Due to the large working envelope of P-250iB/15, the possibility of ceiling or wall mounting even the largest work pieces can be processed. High axis speed provide for

best cycle times and process speeds. The high payload capacity of 15kg supports all types of paint spray guns, applicators and accessories.

The installation of valves, motors, etc. inside and at the J3 arm provides for shortest paint lines, fastest response times and minimal paint consumption. Precise movements, rapid reorientation and the suitability for powder and high-voltage applications further minimize overspray and paint consumption. Thanks to ceiling and wall mounting the size of paint booths can be minimized saving air and energy consumption.

The P-250iB/15 standard type is designed of floor and ceiling mounting, options for wall mounting (“Wall Mount”) and with plastic arm (arm-J3) are available.

In addition, the P-250iB/15 robots offer explosion protection according to CE standards and is certified according to ATEX Cat. II 2G and ATEX Cat. II 2D as well as for the North American standard FM (Class I, II, III).

Features and benefits

- Easily configured left hand or right hand arm to maintain symmetry across the booth
- Options for single or dual integrated process axis motors on the outer arm
- Designed for ease of maintenance and easy access to all critical components
- Integral process control (1K- and 2K gear pumps), 1K closed-loop flow control for material flow providing consistent material delivery and high finish quality
- Ability to package process components in the inner arm in close proximity to the applicator for rapid, accurate, and consistent application performance
- Single or dual-arm configurations available
- Flip-Over capability provides for a large work envelope

Technical data

Robot FANUC P-250iB/15

Maximum load capacity wrist:	15 kg
Maximum reach:	2800 mm
No. of axes:	6
Repeatability:	+/- 0,2 mm
Weight (mechanical):	530 kg
Average power consumption:	3,5 kW
Protection body:	ATEX certified Cat. II group 2G and 2D
Controller:	R-30iB, A-cabinet, iPendant Touch (standard)

	Motion range	Max. speed
Axis J1:	360°	160°/sec
Axis J2:	280°	160°/sec
Axis J3:	330°	160°/sec
Axis J4:	1080°	375°/sec
Axis J5:	1080°	430°/sec
Axis J6:	1080°	545°/sec

Motion range and dimensions

