

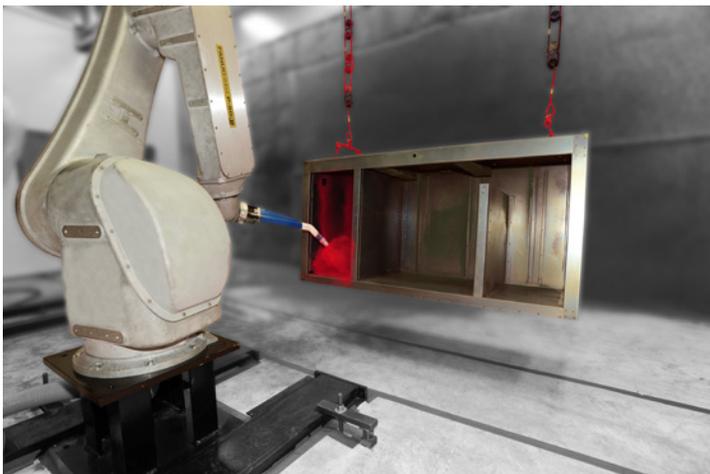
FANUC Robot P-50iB



Features

- Floor, wall, angle, and ceiling 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
- Flexible and customizable mounting structures for optimal spray booth integrations
- 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 length
- Two different arm lengths to choose from to optimize process requirements
- 700 Inner & 700 outer arm 15 kg payload-P-50iB/15
- 900 Inner & 900 outer arm 10 kg payload-P-50iB/10L
- New Mate Controller is compact but with same powerful processor as larger robots
- 140 degree hollow wrist to allow for tight process demands

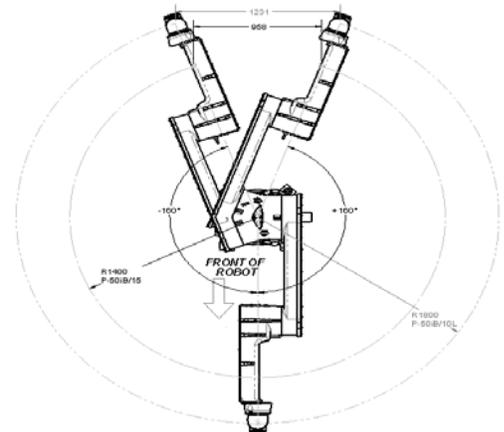
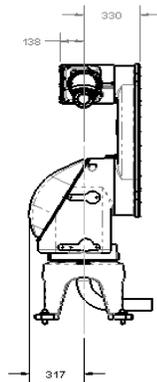
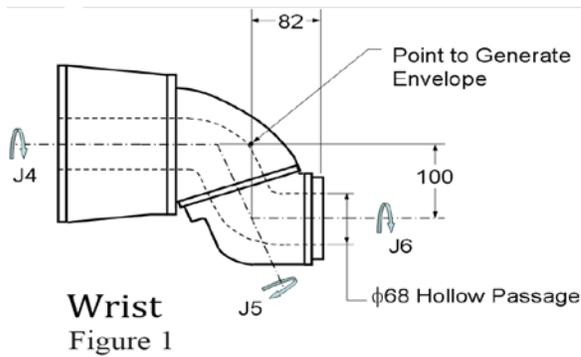
Application system



Software Features

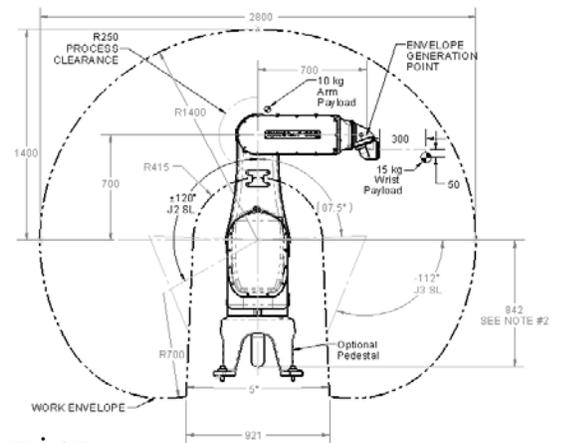
- LRPaintTOOL software provides the industry's most powerful and easy-to-use programming interface
- Dual Check Safety enables smaller booths and lower system cost
- Collision Guard protects application equipment
- AutoFlowChecker detects fluid delivery system problems in real-time
- Built-in process parameter diagnostic monitoring and reporting provides integrated real-time strip chart capability
- Supports all major network communications protocols
- ROBOGUIDE PaintPro Offline 3D programming
- Supported by the iPendant Color graphical Teach Pendant

FANUC Robot P-50iB



P-50iB SPECIFICATIONS:

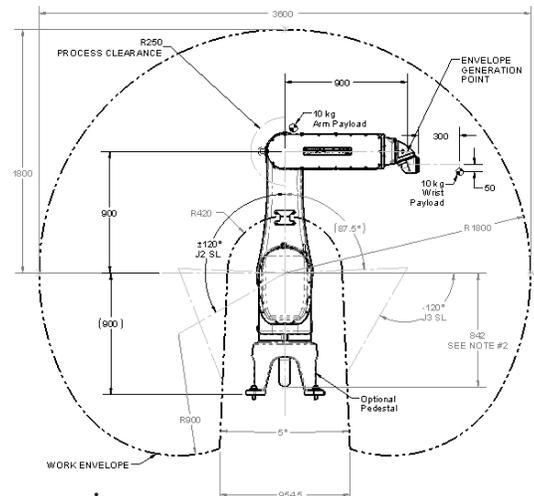
Item	Specification		Note
	P-50iB/15	P-50iB/10L	
Controlled axes	6 axes robot		
Installation	floor, wall, angle, ceiling		
Reach	1400mm	1800mm	
Motion range & speed	J1	320°, 140°/s	320°, 140°/s
	J2	240°, 140°/s	240°, 140°/s
	J3	404°, 160°/s	404°, 160°/s
	J4	1080°, 375°/s	1080°, 375°/s
	J5	1080°, 430°/s	1080°, 430°/s
	J6	1080°, 545°/s	1080°, 545°/s
Payload capacity	Wrist/ (Outer - Inner Arm) @ 1500 mm/s	15kg/10kg	10kg/10kg
	Wrist/ (Outer - Inner Arm) @ 2000 mm/s	5kg/5kg	5kg/5kg
Wrist moments N-m (kgf-m)	J4	65.02 (6.63)	43.35 (4.42)
	J5	55.29 (5.64)	36.86 (3.76)
	J6	7.36 (0.75)	4.90 (0.5)
Wrist load inertia kg-m ²	J4	2.931	1.954
	J5	2.119	1.413
	J6	0.038	0.025
Mechanical Brakes	All axes		
Drive Method/position Encoders	Electric servo drive AC servo motor/Absolute pulse encoders		
Repeatability	± 0.2 mm		
Robot weight	356kg	364kg	With optional base
Installation Environment	0°C - 45°C		
Humidity	Normally: 75% or less Short term (within a month) 95% or less No condensation		
Vibration	0.5 or less m/s ² (G)		
Hazardous location certification	FMUC Class I, II, Div I, Group C, D, E, F, G, T4 45°C Ambient ATEX CE II 2 G c Ex ib px IIB T4 Ta=0°C to +45°C ATEX CE II 2 D c Ex pD 21 T 135°C Ta=0°C to +45°C Note: iPendant for unclassified areas only		



P-50iB/15

NOTES:

- ROBOT SHOWN WITH OPTIONAL PEDESTAL.
- FLEX FIELD MIN OPERATION RADIUS MUST NOT BE VIOLATED.



P-50iB/10L

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- ROBOT SHOWN WITH OPTIONAL PEDESTAL.
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* Work envelope generated with point identified in figure 1.

Reach measured to wrist faceplate is 82mm larger.

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