

Mid-Size Paint Robot

FANUC Robot P-40iA



Features

Design

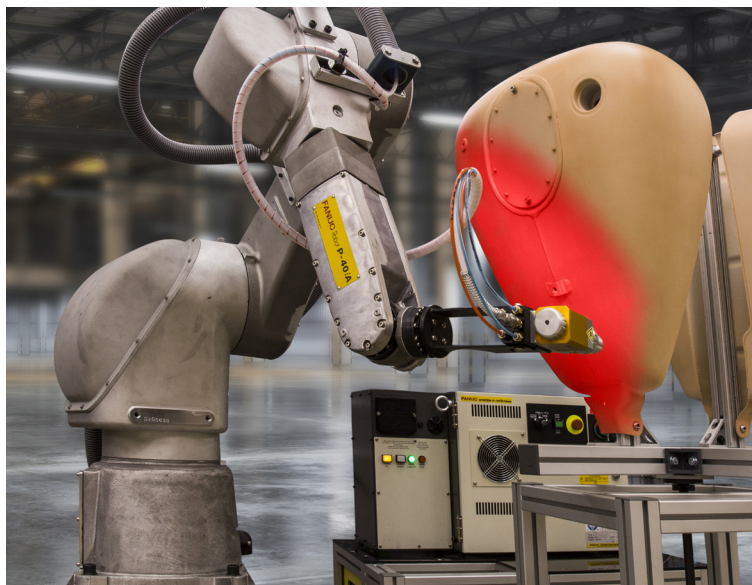
The P-40iA is a mid-size painter robot with a payload capacity of 5kg.

- Floor, invert, angle and wall mounting permits versatility for robot location and allows for minimal spray booth size
- Standard FANUC Robotics purge control
- Designed and approved for use in hazardous locations
- FM and ATEX approvals
- The latest generation of paint robots utilizing proven design
- Balanced arm design provides excellent near reach and stroke length
- Flip-Over capability provides for a wide variety of work envelopes
- Single arm offset configuration
- The R-30iB Mate Plus controller features a compact design and utilizes FANUC's latest powerful technologies
- IP67 Rated

Options

- One or four pneumatic three-way solenoid valves located in the purge cavity for gun triggering capability
- Mechanical unit & paint process equipment are monitored and protected by FANUC's Zero Down Time package
- ROBOGUIDE PaintPRO Offline 3D Programming

Application examples



P-40iA painting fuel tanks

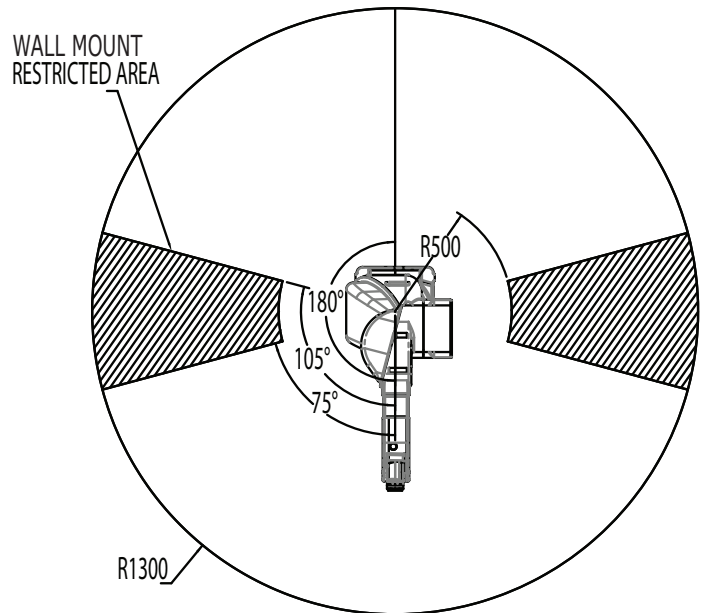
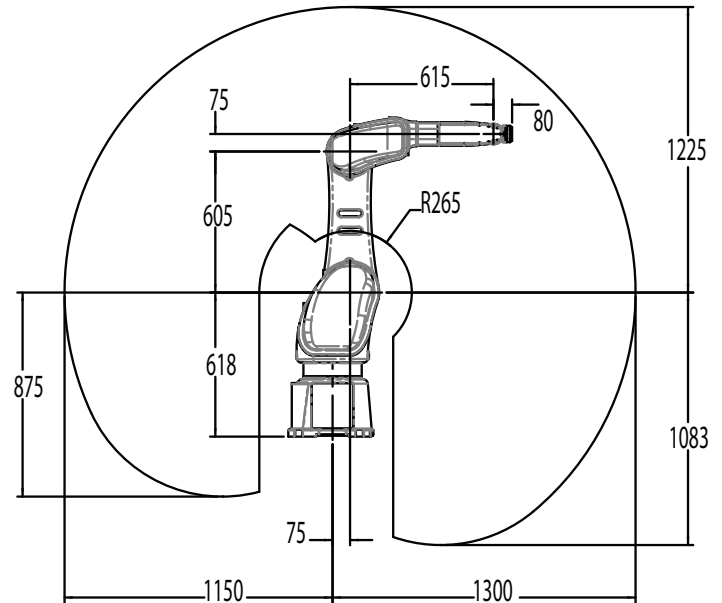


P-40iA painting door handles

FANUC Robot P-40iA

P-40iA SPECIFICATIONS:

Item		Specification
Reach (mm)		1300
Controlled Axes		6 axes (J1, J2, J3, J4, J5, J6)
Motion Range	J1 axis	$\pm 180^\circ$
	J2 axis	$+140^\circ/-115^\circ$
	J3 axis	$+283^\circ/-140^\circ$
	J4 axis	$\pm 190^\circ$
	J5 axis	$\pm 120^\circ$
	J6 axis	$\pm 360^\circ$
Maximum Load Capacity		Wrist 5kg, Inner 1kg, and Outer Arm 1kg @ 1500 mm/sec Cartesian Speed
Wrist Type		In-line wrist
Repeatability		$\pm 0.03\text{mm}$
Drive Method		Electric servo drive by AC servo motor
Installation		Pedestal, Wall, Angle, Invert
Feedback Method		Absolute Pulse Encoders
Axis Control		All axes digital-servo controlled path control (Joint, linear, circular motion)
Weight		110kg
Installation Environment		0°C to $+45^\circ\text{C}$
Humidity		Normally: 75% or less Short term (within a month) 95% or less No condensation
Vibration		4.9 m/s^2 (0.5G) or less
Hazardous Location Certification		Class I, II, III Div. I Group C, D, E, F, G ATEX CE II 2 G c Ex ib px IIB T4 Gb Ta = 0°C to $+45^\circ\text{C}$ ATEX CE II 2 D c Ex ib p IIIB T135°C Db Ta = 0°C to $+45^\circ\text{C}$



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