



PERFECT FINISH – PAINTED BY THE SPECIALIST.

# Fanuc Robot P-250iA/10S



FANUC Robotics' P-250iA/10S is a mid-size painting robot with industry's best work envelope and motion performance. The P-250iA/10S is designed for efficient process equipment integration with features such as a hollow wrist and option for two motors on the outer arm for gear pumps, an outer arm designed for easy integration of paint application equipment, and multiple hose routing options. This provides increased throughput and spraying time which improves transfer efficiency.

## Features and benefits

- Floor, invert and wall mounting options permit versatility when unusual workpiece access is required
- Patented, production proven, hollow wrist and through-arm hose routing provide a clean application environment

- Options for either in-arm gear pump or mounting space for an in-arm flow meter and colour valves provide fluid delivery flexibility with minimized colour change time and material waste
- FM and CE Mark Hazardous approved for Class I and II, Div. 1, Groups C,D,E,F,G environments
- TIIS approved
- Flex field hose makes for fast Installation
- Alternate Roxtec CF seal for CE Mark and TIIS installation
- Ability to "flip-over" axis 2 and 3 to provide a very large work envelope and maximum flexibility for painting
- Payload sized to carry a variety of applicators including conventional and electrostatic air spray guns and rotary atomizers
- Optional ROBOGUIDE® PaintPRO™ software is a user-friendly Windows®-based graphical programming interface for creating, viewing, editing and simulating robot programs

## Reliability and maintenance advantages

- Designed for painting environment
- 12th generation paint robot designed with production proven reliability
- Internally and externally sealed wrist
- Large wrist aperture

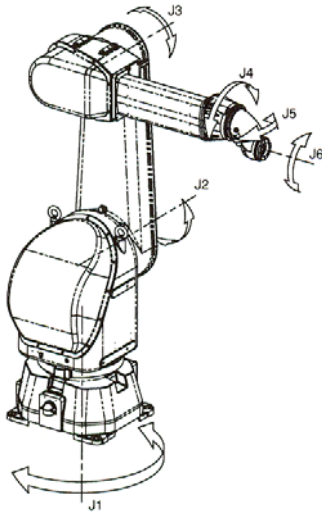
## Software

- Line tracking
- Automatic colour change
- Analog parameter control
- Integral two-component variable ratio or one-component pump control
- ACCUFLOW™ closed loop fluid control for paint applications
- AccuChop™ closed loop fluid control for FRP applications
- Collision Guard™

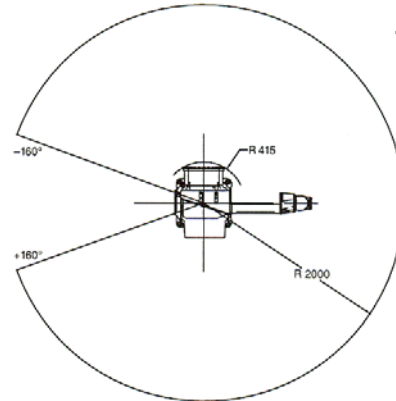
PERFECT FINISH – PAINTED BY THE SPECIALIST.

## Dimensions – Fanuc Robot P-250iA/10S

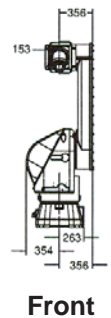
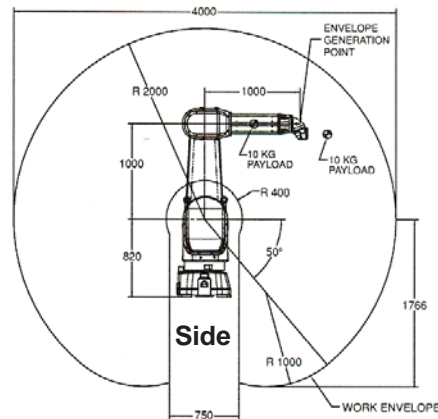
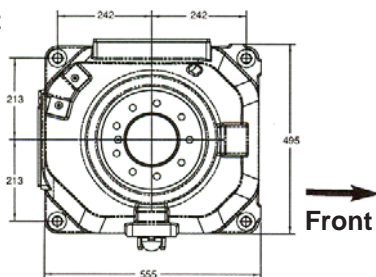
Isometric



Top

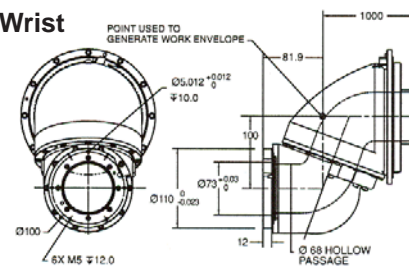


Footprint



Front

Wrist



### Specification

Items	Motion range <sup>(1)</sup>	Motion speed <sup>(2)(3)</sup>
J1	320°	160°/s
J2	280°	160°/s
J3	310°	160°/s
J4	1080°	375°/s
J5	1080°	430°/s
J6	1080°	545°/s

Coating speed	1500 mm/s
Wrist payload <sup>(4)</sup>	10 kg
Outer arm payload	10 kg
Repeatability	± 0.2 mm
Mechanical brakes	Axes 2, 3 (optional 1,4,5,6)
Certification	FM, CE Mark, TIIS
Weight:	495 kg

<sup>(1)</sup> Optional wall mount J1 (90°)

<sup>(2)</sup> Optional high speed wrist (550, 550, 710°/s)

<sup>(3)</sup> Optional wall mount J1 (140°)

<sup>(4)</sup> At 300 mm axial, 50 mm radial offset