

# P-15™ Hood/Deck Opener

## Basic Description

The FANUC Robotics P-15 Hood/Deck Opener is a three-axis, vertically articulated robot designed specifically for opening vehicle hood and deck lids to facilitate robotic interior painting. Engineered for use with FANUC Robotics' advanced P-200 robotic painting system, the P-15 mounts directly on the P-200 robot's rail yet maintains independent motion through its own rail drive motor.

Two additional servo motors drive the inner and outer arm of the P-15, providing in/out and up/down motion. To simplify end-of-arm tooling requirements, an internal linkage keeps the P-15 face plate and tool in a constant position relative to the floor.

The P-15 Door Opener is operated by the P-200 robot's controller using PaintTool application software. The easy-to-use software provides independent motion of robot and hood/deck opener.

## P-15 Hood/Deck Opener, the Solution for:

- Automotive and truck interior painting
- Moving line or stop station processing

## Features and Benefits

### Mechanical:

- Proven, reliable FANUC Robotics mechanical design



- Vertical articulation of P-15 requires less booth space than horizontally articulated machinery
- Designed for high-speed moving line applications
- Reduced maintenance design improves system uptime
- Tooling is easily removed for cleaning

### Electrical:

- Proven, dependable FANUC Robotics servo drives
- Advanced design allows the P-15 and P-200 robots to operate on a shared SYSTEM Robot Controller

- Heavy-duty construction and a patented, agency-approved purge system for operation in paint spraying environments, including Class I and II, Division 1, Groups C, D, E, F and G

### Software:

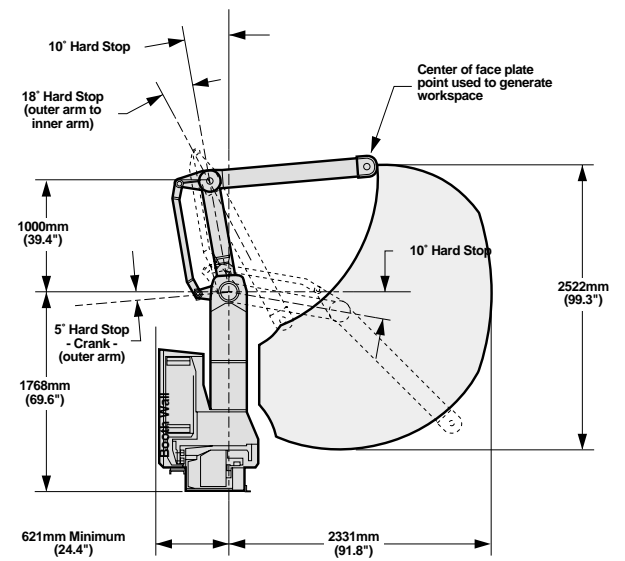
- Independent group motion allows P-15 and P-200 to perform separate tasks simultaneously, reducing cycle time and decreasing required spray zone length
- Built-in software features simplify path teaching and help users coordinate independent motion groups

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## P-15 Specifications

Items	Specification	
<b>Motion range and speed</b>	<b>Range</b>	<b>Speed</b>
Axis 1	Determined by rail length	1500mm/sec
Axis 2 (inner arm)	100°	49°/sec
Axis 3 (outer arm)	95°	49°/sec
Hood/deck lifting force	45 lbf (maximum)	
Drive Type	Electric AC Servomotor	
Position Encoders	Absolute Pulse Coders	
Mastering Method	Witness Surfaces	
Weight	420 kg	
Certification	FM Class I, II, III/Div I, II	
Environment	0 - 45° C	

## Door Opener Dimensions



**P-15/P-200 Interior Cut-in System**

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