

# P-1000iA



Max. load capacity at wrist: 15 kg\*



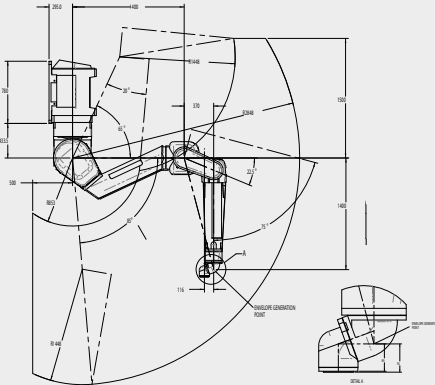
Max. reach: 2848 mm

# FANUC

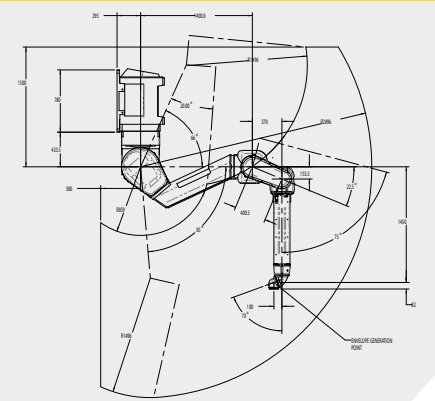
## Design

The P-1000iA is a unique painting robot with seven integrated axes. It has an optimally positioned arm for interior & exterior paint programs.

### Working range P-1000iA (plastic arm)



### Working range P-1000iA (metal arm)



## Features

### Application

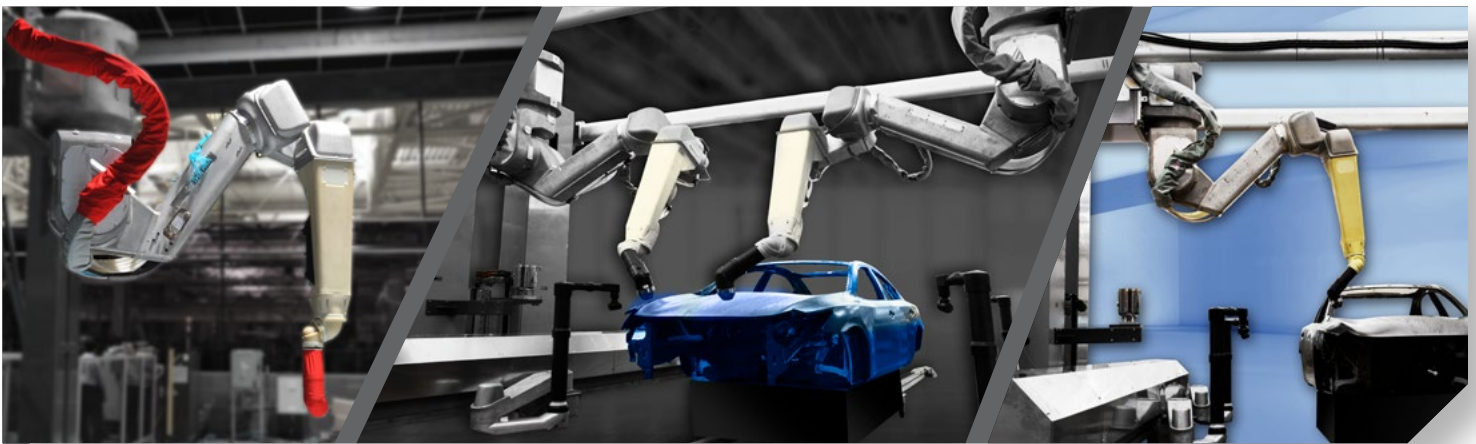
- Easy access to all critical process components
- Maximized performance with in-arm process components
- Integrated fluid delivery systems with FANUC Servo Motors
- Direct charge waterborne and 1K and 2K solventborne systems
- 140° hollow wrist optimized for demanding paint processes
- Inverted pedestal installation and balanced arm
- Payload supports a range of rotary atomizers and spray guns

### Controller

- A compact and stackable R-30iB paint controller
- Single arm and dual arm controller support
- Supported by the iPendant color graphical teach pendant
- Integrated support of hood, deck and door opener controls
- Supports all major network communications protocols

## Software Options

- Utilizes the industry's most powerful & easy-to-use interface – PaintTool
- Mechanical unit and paint process equipment are monitored and protected by FANUC's Zero Down Time package
- Pressure vs. Flow Monitoring Software detects fluid delivery system problems in real-time
- ROBOGUIDE PaintPRO offline 3D programming



\* While operating at 1200 mm/s

# P-1000iA



Max. load capacity  
at wrist: 15 kg



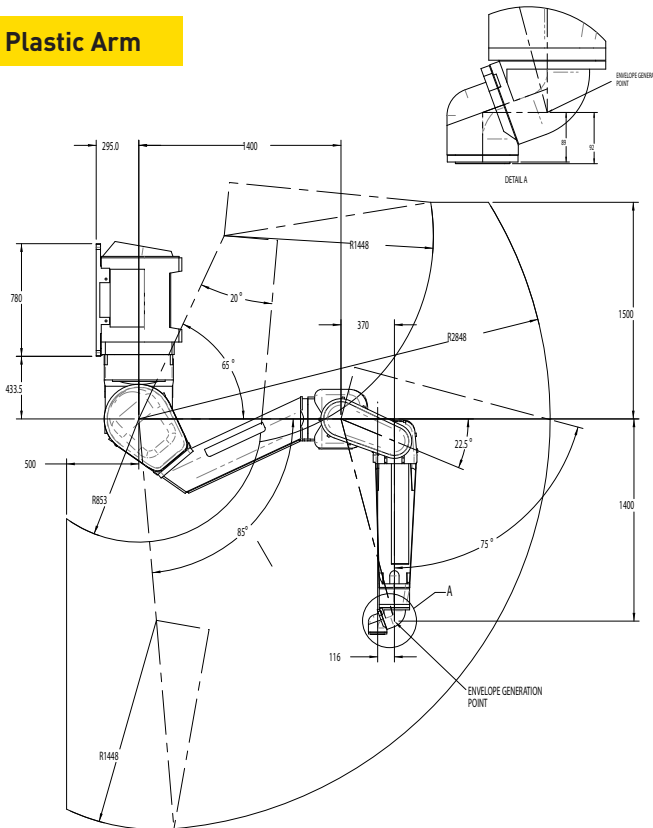
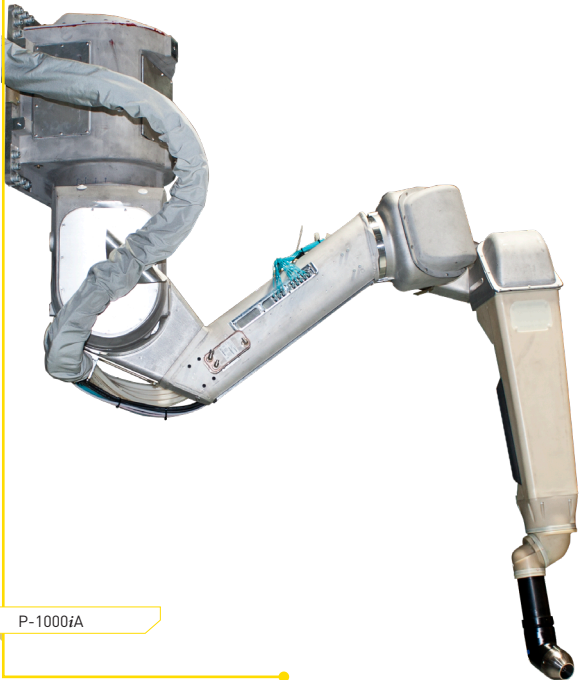
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2848 mm

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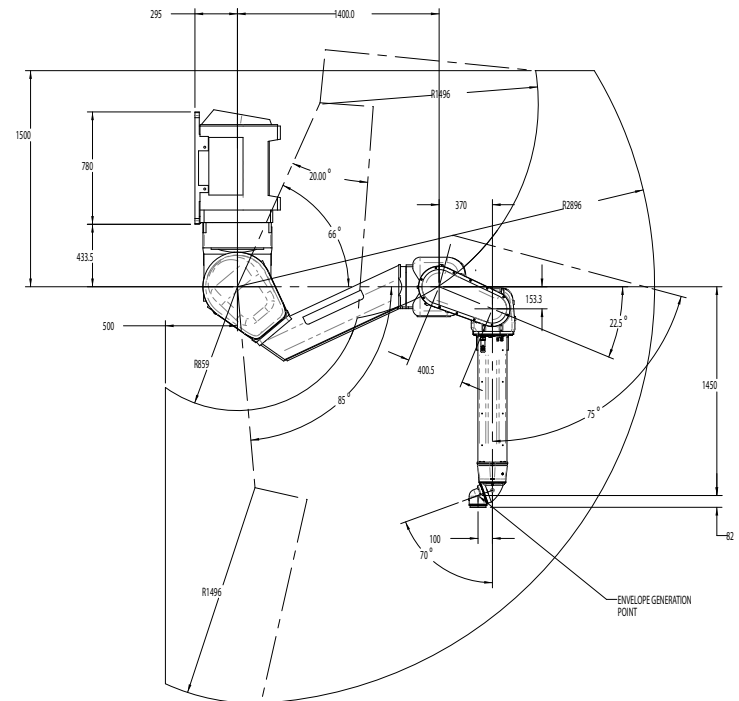
| Robot  |         |              | Max. load capacity at wrist (kg) | Reach (mm) | Controlled axes | Repeatability (mm) | Mechanical weight (kg) | Motion range (°) |            |      |            |      |      |      | Maximum speed (°/s) |     |     |     |     |     |     | Allowable load moment at wrist (Nm)<br>Allowable load inertia at wrist (kg m <sup>2</sup> ) |           |             | Input power source (VAC) (50-60 HZ) |
|--------|---------|--------------|----------------------------------|------------|-----------------|--------------------|------------------------|------------------|------------|------|------------|------|------|------|---------------------|-----|-----|-----|-----|-----|-----|---|-----------|-------------|-------------------------------------|
| Series | Version | Arm Material |                                  |            |                 |                    |                        | J1               | J2         | J3   | J4         | J5   | J6   | J7   | J1                  | J2  | J3  | J4  | J5  | J6  | J7  | J5  | J6        | J7          |                                     |
|        |         |              |                                  |            |                 |                    |                        |                  |            |      |            |      |      |      |                     |     |     |     |     |     |     |   |           |             |                                     |
| P-1000 | iA      | Plastic      | 15                               | 2848       | 7               | ± 0.08             | 700                    | ±110             | +85<br>-65 | ±120 | +75<br>-70 | ±720 | ±720 | ±720 | 125                 | 125 | 120 | 120 | 200 | 200 | 200 | 68<br>3.2   | 57<br>2.2 | 11.5<br>.35 | 200-550<br>+10/-15%                 |
| P-1000 | iA      | Metal        | 15                               | 2896       | 7               | ± 0.08             | 700                    | ±110             | +85<br>-65 | ±120 | +75<br>-70 | ±720 | ±720 | ±720 | 125                 | 125 | 120 | 120 | 200 | 200 | 200 | 65<br>3.0   | 55<br>2.1 | 11.5<br>.35 | 200-550<br>+10/-15%                 |

P-1000iA Paint robot

## Plastic Arm



## Metal Arm



P-1000iA