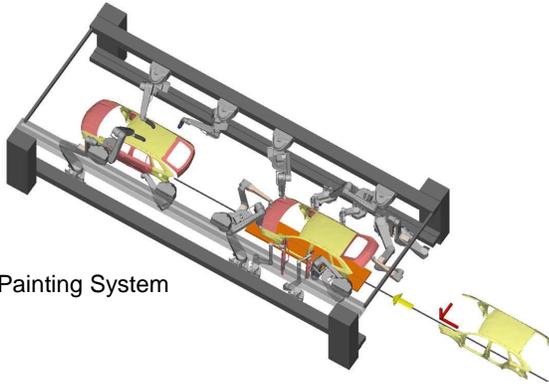


P-700iA Painting System



P-700iA Painting System



P-700iA Robot

Basic Description

FANUC Robotics' *P-700iA* System is the most advanced painting system offered in the industry today. The highly-flexible seven-axis P-700iA robot is well adaptable for automotive interior, exterior, fascia, and other painting applications.

Multiple P-700iA robots can be mounted on opposing elevated rails. An optional lower rail is also offered and can be outfitted with handling robots. These robots are used to expose the interior compartments of the vehicle to the painting robots mounted above. The four-axis P-20iA robots open and close doors. The five-axis P-25iA robots open the hood and trunk compartments. A frame structure is used to support the multi-rail system, creating a modular painting cell.

Performance

The P-700 system gets more work done in a smaller paint booth. Multiple robots are used to paint the interior compartments in a compact automation zone.

The two-tier rail approach allows the painting robots to slide by the handling robots. This permits the painting robots to move to and from their respective cleaning stations, while the handling robots are free to open and close the compartments of the vehicle. The benefit is maximized spray time.

P-700iA Features Include:

- Modular zone design allows for rapid installation.
- Open architecture design easily permits 3rd party application equipment integration.
- Non-conductive outer arm/wrist minimizes paint accumulation and maximized transfer efficiency.
- Ability to integrate pneumatic controls into the inner arm.
- In-robot pneumatic control system integration locates critical components close to applicator and fluid delivery equipment for optimal response time.
- Protected application compartment inside robot arm.
- Available with single and dual integrated process axis control to accommodate 1K, 2K, and water-borne fluid delivery control.
- Flexible to accommodate rotary atomizers (bells) and sprayguns.

Reliability

FANUC Robotics' extensive paint shop and paint robot design experience is leveraged in the P-700iA system design. The P-700iA system increases production uptime while reducing operating costs and maintenance requirements in the most demanding Automotive Assembly, Automotive Component, and Heavy Truck paint shop applications.

Service and Parts

FANUC Robotics provides a comprehensive support program including technical support, training, and spare parts.



P-20iA Robot



P-25iA Robot