COLO 6-Axis Powder Coating Robot



The first axis



The sixth axis



The second axis

Flexible rotation



The fifth axis



The third axis

The fourth axis



COLO 6-Axis robot is the initial choice for maximum flexibility and perfect coating quality, which is developed specially for the coating industry with modern powder application or liquid painting technology, along with huge savings in powder, energy and manual interventions.

COLO 6-Axis Powder Coating Robot



COLO Powder Coating Robot Features

1. It is a six-axis joint structure, with six servo motors driving the rotation of the six joint axises.
2. Robot joints are made of high-intensity aluminum, ensuring the precision and reliability in high-strength and high-speed working.
3. Constructed by servo motor and harmonic reducer, features small dimension, wide working range, high speed and accurate.
4. Designed fully sealed that is dustproof, waterproof and explosion-proof, with an IP grade of 67.
5. Palm-type conversational operation control system easy to learn, very suitable for production use.
6. Highly flexibille robot can realize spraying on the outer surface and inner surface that saves painting materials.
7. Robot body is internal wiring that is safe and environmental-friendly.

COLO 6-Axis Powder Coating Robot

Benefits of Powder Coating with Robots

- Precise movement and 100% repeatability for greater process control
- Fast robot movement for high production rate
- Perfect and efficient for coating products of complex shapes
- Flexible, highly targeted, up-close application
- Achieve uniform and reproducible coating results,
- Optimize the labor cost and material cost.

Item	Content	Data
Specifications	Max. Running Radius	1500mm
	Max. Loading	10kgs
	Repeated Posisioning Accuracy	±0.08mm
	Protection Grade	IP67
	Total Weight	140kgs
Range of Motion	J1	-180° ~ +180°
	J2	-90° ~ +90°
	J3	-75° ~ +255°
	J4	-180° ~+180°
	J5	-120° ~ +120°
	J6	-360° ~ +360°
Max. Speed	J1	150°/s
	J2	150°/s
	J3	250°/s
	J4	450°/s
	J5	650°/s
	J6	450°/s

COLO 6-Axis Powder Coating Robot











