

Painting Robots Market Report by Type (Floor-mounted Painting Robot, Wall-mounted Painting Robot, Rail-mounted Painting Robot, and Others), Application (Interior Painting, Exterior Painting), End User (Automotive, Aerospace, Construction, and Others), and Region 2024-2032

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Abstracts

The global painting robots market size reached US\$ 2.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.3 Billion by 2032, exhibiting a growth rate (CAGR) of 8.3% during 2024-2032.

Painting robots are industrial robots having automated paint systems to control various spray parameters, such as atomization and fan air, voltage, and fluid flow. They comprise general painting and spray operations, vertical lines, and three-dimension (3D) and floor paintings. They rely on anti-collision software to work in proximity and limited space without crashing into each other. They assist in increasing the finishing quality and consistency while lowering the operational costs and waste materials during painting. In addition, they reduce the risk of injuries or accidents of human workers as painting robots have explosion-proof arms that can safely spray different surfaces. As a result, they find extensive applications in the automotive, manufacturing, construction, and aerospace industries across the globe.

Painting Robots Market Trends:

At present, the growing demand for painting robots to reduce paint drips, inconsistency, and overspray across the globe represents one of the key factors driving the market. In addition, there is a rise in the utilization of painting robots in the automotive industry to paint large components with high accuracy and precision. This, along with the

burgeoning automotive industry, is contributing to the growth of the market. Besides this, the growing integration of advanced technologies, such as artificial intelligence (AI) and sensor technology, is offering a positive market outlook. Moreover, various benefits offered by painting robots, such as uniform painting, high-quality surface finish, and enhanced productivity and output, are propelling the growth of the market. Apart from this, the increasing employment of painting robots in the construction industry to work at high altitudes and ensure the safety of workers against lead and volatile organic compounds (VOC) emissions by synthetic paints is offering lucrative growth opportunities to industry investors. Additionally, the rising application of painting robots in the aerospace industry to paint wings, fuselages, stabilizers, or entire aircraft is bolstering the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global painting robots market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, application and end user.

Breakup by Type:

- Floor-mounted Painting Robot
- Wall-mounted Painting Robot
- Rail-mounted Painting Robot
- Others

Breakup by Application:

- Interior Painting
- Exterior Painting

Breakup by End User:

- Automotive
- Aerospace
- Construction
- Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., CMA Robotics Spa, D?rr Aktiengesellschaft, Epistolio S.r.l, Fanuc, Gaiotto Automation S.P.A., Kawasaki Heavy Industries Ltd., Krautzberger GmbH, KUKA Aktiengesellschaft (Midea Group), Lesta srl and Yaskawa Electric Corporation.

Key Questions Answered in This Report

1. What was the size of the global painting robots market in 2023?
2. What is the expected growth rate of the global painting robots market during 2024-2032?
3. What are the key factors driving the global painting robots market?
4. What has been the impact of COVID-19 on the global painting robots market?

5. What is the breakup of the global painting robots market based on the type?
6. What is the breakup of the global painting robots market based on the application?
7. What is the breakup of the global painting robots market based on end user?
8. What are the key regions in the global painting robots market?
9. Who are the key players/companies in the global painting robots market?

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