

Painting Robots Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global painting robots market size reached US\$ 2.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.1 Billion by 2028, exhibiting a growth rate (CAGR) of 9.4% during 2023-2028.

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 2023-2028. 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 2022?
2. What is the expected growth rate of the global painting robots market during 2023-2028?
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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