

# Spray Painting Robots Market: By Power Source, By Application, Geographic Analysis - Forecast (2018-2023)

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HYDERABAD, TELANGANA, INDIA, September 5, 2018 /EINPresswire.com/ -- Programmed Robots are Spray Painting the universe

Robots have been one of the most sought-after topics in pop culture and science fiction. However, there are robots helping behind the scenes in various applications for the industrial and automotive sectors. [Spray painting robots](#) have been in use as early as the 1950's and are responsible for the car people drive, and in some cases, the factories they visit. Some of them may also have been used to paint the appliances people use, the furniture people have and some of the medical devices doctors use.

Spray painting robots have not been widely used in painting applications outside of automotive, aerospace and industrial sectors as they are expensive, require specific working conditions, and produced by a few players such as ABB, Fanuc, Yaskawa and Kawasaki. These robots are useful as they can be deployed to paint hard to reach places such as the engine compartment, the door entries and the passenger compartment in case of cars, or ceilings, in case of factories. But if a spray painting robot happens to stop working midway through the process, it may be difficult to resume the process manually.

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Speaking of surfaces, if a robot is being tasked to paint a wall of the factory, and then to paint the interior of a sedan, the end result is probably not going to be what one wants. Each surface is made of different material and of a different size and the robot will need programming to adapt and learn.

Presently, there are robots that can learn a fixed number of patterns and paint a car accordingly. Perhaps over time, with the help of machine learning, a robot could learn to identify different surfaces, such as steel walls and windows and different patterns of painting the interior and exterior of a car. With new advances in technology, a robot could have more memory and paint multiple colors at the same time.

The biggest opportunity for these robots would be in the residential and commercial sectors. These robots could minimize safety hazards and exposure to chemicals that painters have to risk when they have to finish painting a building before the deadline. They may be used in building maintenance if the appropriate scaffold and machine learning are integrated in the process. Again, people may come across painting exhibitions where mutually accomplished works of humans and robots are showcased.

If machine learning and AI can be integrated into the spray painting robots and with the new robotic startups emerging, people may get to see robots paint the places they live in and the places they visit. As manual painting is preferred by commercial and residential sector, due to

costs and convenience, the use of spray painting robots will not be expand to new applications for a long time.

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Spray Painting Robots market is segmented as indicated below:

1. Spray Painting Robots – By Components

- 1.1. Introduction
- 1.2. Robotic Arm
- 1.3. Gear Pump
- 1.4. Spray Applicator / Bell
- 1.5. Solenoid Valves
- 1.6. Transducers
- 1.7. Pressure Regulators
- 1.8. Others

2. Spray Painting Robots – By Power Source

- 2.1. Introduction
- 2.2. Battery
- 2.3. Tethers
- 2.4. Others

3. Spray Painting Robots – By Spraying Methods

- 3.1. Introduction
- 3.2. Air Atomized
- 3.3. Airless
- 3.4. Electrostatic
- 3.5. High Volume and Low Pressure

4. Spray Painting Robots – By End Users

- 4.1. Introduction
- 4.2. Automotive
- 4.3. Aerospace
- 4.4. Oil and Gas
- 4.5. Marine
- 4.6. Construction
- 4.7. Electronics
- 4.8. Industrial
- 4.9. Others

5. Spray Painting Robots Market – By Market Entropy

6. Spray Painting Robots Market – By Geography

Companies Cited/Interviewed/Referenced

ABB  
KUKA  
Kawasaki  
Yaskawa  
IKV Robot  
Staubli  
CMA ROBOTICS  
B + M Systems  
FANUC  
HOMAG

Company 15+

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A. Acrylic Paints Market

<https://industryarc.com/Report/15329/acrylic-paints-market.html>

B. Powder Coatings Market

<https://industryarc.com/Report/11730/powder-coatings-market.html>

What can you expect from the report?

The Spray Painting Robots Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis ( By Revenue & Volume )
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in Spray Painting Robots Market? Response: Yes, we do have separate reports and database as mentioned below:

1. North America Spray Painting Robots Market (2018-2023)
2. South America Spray Painting Robots Market (2018-2023)
3. Europe Spray Painting Robots Market (2018-2023)
4. Asia Pacific Spray Painting Robots Market (2018-2023)
5. Middle East and Africa Spray Painting Robots Market (2018-2023)
6. Tethers Spray Painting Robots Market (2018-2023)
7. Air Atomized Spray Painting Robots Market (2018-2023)
8. Aerospace Spray Painting Robots Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography or product chapter.

3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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