

Automatic Spraying Robot Market is expected to reach US\$ 8.78 billion by 2031 | DataM Intelligence

The Global Automatic Spraying Robot Market is expected to reach at a CAGR of 12.1% during the forecast period 2024-2031.

AUSTIN, TX, UNITED STATES, February 19, 2026 /EINPresswire.com/ -- Market Overview:

The [Automatic Spraying Robot Market](#) has witnessed significant growth in recent years, driven by the increasing adoption of automation technologies in industrial and agricultural sectors.

These robots, designed to enhance efficiency and precision in spraying applications, are being increasingly utilized in automotive painting, agriculture, chemical coating, and other manufacturing processes. Their ability to provide uniform coverage, reduce human labor, minimize wastage, and enhance productivity has made them indispensable tools for modern industries. Growing awareness about cost

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The Automatic Spraying Robot Market poised for rapid growth, driven by efficiency, labor savings & precision; transforming agriculture and industry with smart, autonomous spraying solutions.”

DataM Intelligence

optimization and environmental sustainability has further fueled the demand for automated spraying solutions worldwide.

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According to DataM Intelligence, The Global Automatic Spraying Robot Market was valued at USD 3.52 billion in 2023 and is projected to reach USD 8.78 billion by 2031, growing at a CAGR of approximately 12.1% during the

forecast period. Key growth drivers include the surge in industrial automation, the adoption of



DATA INTELLIGENCE Automatic Spraying Robot Market
CAGR of 12.1%
Key players:

- EFORT Intelligent Equipment Co., Ltd.
- YANMAR HOLDINGS CO., LTD.
- DeLaval
- Yaskawa America, Inc.
- The DECC Company
- ABB
- ViscoTec Pumpen- u
- Solinftec

Automatic Spraying Robot Market

precision agriculture, and rising investments in smart manufacturing technologies. Among product types, industrial spraying robots hold the largest share, primarily due to their widespread usage in the automotive and electronics industries. Geographically, North America is the leading region in the market, attributed to the early adoption of advanced robotic technologies, high investment in industrial automation, and the presence of major robotics manufacturers.

Key Highlights from the Report:

The Market is projected to grow at a CAGR of 12.1% from 2024 to 2031.

Industrial spraying robots dominate the market in terms of revenue.

North America holds the largest market share due to advanced automation adoption.

Increasing use in agriculture for pesticide and nutrient spraying is expanding opportunities.

Key players are investing in AI and IoT-enabled robotic solutions.

Rising labor costs and precision requirements drive the adoption of automatic spraying robots.

Market Segmentation:

The Automatic Spraying Robot Market can be segmented based on product type, end-user, and application.

By Product Type: The market is primarily divided into industrial spraying robots, agricultural spraying robots, and others. Industrial robots are extensively used in automotive painting, metal coating, and electronics assembly, offering high precision and consistency. Agricultural robots are gaining traction in crop protection, fertilizer application, and greenhouse management, enabling efficient resource utilization and reduced chemical waste.

By End-User: Key end-users include automotive, agriculture, electronics, chemical, and construction industries. The automotive industry is the largest consumer of spraying robots due to the high demand for automated painting and coating solutions that reduce human error and improve finish quality. Agriculture is rapidly emerging as a growth segment, leveraging automation to meet food security challenges and sustainable farming goals.

By Application: The primary applications include painting, coating, pesticide spraying, and disinfectant application. The rising need for high-quality finishes and uniform coverage in industrial applications, along with the demand for efficient and precise pesticide application in agriculture, fuels the adoption across sectors.

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Regional Insights:

North America continues to dominate the automatic spraying robot market, with the United States leading due to its early adoption of robotics in manufacturing and agriculture. High labor costs, stringent environmental regulations, and investments in smart factories contribute to steady market growth.

Europe is witnessing growth due to government initiatives promoting automation, technological advancements, and increasing industrial modernization in countries like Germany, France, and the UK. The automotive sector, especially in Germany, is a significant consumer of spraying robots.

Asia-Pacific is expected to register the fastest growth during the forecast period. Countries like China, Japan, and India are investing heavily in industrial automation and precision agriculture to improve productivity and efficiency. The availability of cost-effective robotic solutions and supportive government policies further stimulate market expansion in this region.

Latin America and the Middle East & Africa are emerging markets, with increasing adoption in agriculture and construction applications, driven by rising urbanization, industrialization, and the need for efficiency in labor-intensive sectors.

Market Dynamics:

Market Drivers

The Automatic Spraying Robot Market is propelled by the increasing adoption of automation across industries and agriculture. Rising labor costs, stringent quality standards, and the need for precision in painting and coating applications drive manufacturers to invest in robotic solutions. Additionally, advancements in AI, machine learning, and IoT integration enhance robot efficiency, enabling remote monitoring, predictive maintenance, and data-driven operations, which further stimulate demand.

Market Restraints

Despite its growth potential, the market faces challenges such as high initial investment costs, maintenance expenses, and a shortage of skilled professionals to operate advanced robotic systems. Small and medium-sized enterprises often hesitate to adopt automatic spraying robots due to budget constraints, limiting market penetration in certain regions.

Market Opportunities

Significant opportunities exist in emerging applications such as precision agriculture, where spraying robots optimize pesticide and fertilizer usage, reducing environmental impact. Additionally, the growing demand for disinfectant spraying robots in healthcare and public spaces post-pandemic has opened new market avenues. Investments in R&D for collaborative robots (cobots) that can work alongside humans offer further growth potential.

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Frequently Asked Questions (FAQs):

How big is the Automatic Spraying Robot Market in 2025?

What is the projected growth rate of the automatic spraying robot market from 2025 to 2032?

Which region is expected to dominate the automatic spraying robot industry through the forecast period?

Who are the key players in the global automatic spraying robot market?

What are the key applications of automatic spraying robots in industrial and agricultural sectors?

Company Insights:

Key players operating in the market include:

EFORT Intelligent Equipment Co., Ltd.

YANMAR HOLDINGS CO., LTD.

DeLaval

Yaskawa America, Inc.

The DECC Company

ABB

ViscoTec Pumpen- u

Solinftec

Jiangsu Lanjiang Intelligent Technology Co., Ltd.

Spraying Systems Co.

Recent Developments:

United States:

December 2025: North America continued leading with 32% market share, driven by high automation adoption, retrofit investments, and incentives for emissions reduction favoring closed-loop robotic spraying.

November 2025: Kubota presented ROBOTTI at Agritechnica 2025, a spraying-capable robot for row-crop and vegetable farming, enhancing productivity in US-relevant applications.

October 2025: USDA launched grants for swarm robotics in spraying within the Corn Belt, using small coordinated robots for precise pesticide delivery and reduced soil impact.

Japan:

January 2026: Continued national adoption of AI-driven spraying robots supported by smart-farming programs, focusing on precise chemical application amid rural workforce challenges.

December 2025: Government-backed programs expanded AI spraying robots nationwide, enabling automated pest control and chemical precision to sustain rural operations amid aging farmer populations.

November 2025: Kubota showcased ROBOTTI at Agritechnica, a spraying-capable robot tailored for Japan's row-crop and vegetable sectors, improving productivity via autonomous navigation and precise application.

October 2025: Kubota unveiled Versatile Platform Robots at Expo 2025 Osaka, featuring modular spraying for hilly terrains and fragmented farms, aligning with national smart-agriculture goals to combat workforce decline.

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Conclusion:

The Automatic Spraying Robot Market is poised for robust growth, driven by technological advancements, industrial automation, and the increasing need for precision in spraying applications. Industrial and agricultural sectors are leading the adoption curve, supported by investments in AI, IoT, and collaborative robotics. With North America and Asia-Pacific spearheading market growth, opportunities abound for manufacturers and end-users seeking efficiency, cost reduction, and sustainability. As demand continues to rise, the market is set to witness transformative developments, redefining automation in spraying applications across the globe.

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