

Autonomous Robot Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

Autonomous Robot Trends and Forecast

The future of the global autonomous robot market looks promising with opportunities in the industrial & manufacturing, power & energy, logistics & warehouse, aerospace & defense, oil & gas, forest & agriculture, medical & healthcare, and mining & mineral markets. The global autonomous robot market is expected to reach an estimated \$6.1 billion by 2030 with a CAGR of 16.5% from 2024 to 2030. The major drivers for this market are increasing demand for automation in various industries, rapid expansion of ecommerce sector, and growth of the internet of things (IoT) ecosystem.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Autonomous Robot by Segment

The study includes a forecast for the global autonomous robot by mode of operation, product, end use, and region.

Autonomous Robot Market by Mode of Operation [Shipment Analysis by Value from 2018 to 2030]:

Human Operated

Autonomous

Autonomous Robot Market by Product [Shipment Analysis by Value from 2018 to 2030]:

Unmanned Ground Vehicle (UGV)

Unmanned Marine Vehicle (UMV)

Unmanned Aerial Vehicle (UAV)

Autonomous Robot Market by End Use [Shipment Analysis by Value from 2018 to 2030]:

Industrial & Manufacturing

Power & Energy

Logistics & Warehouse

Aerospace & Defense

Oil & Gas

Forest & Agriculture

Medical & Healthcare

Mining & Minerals

Others

Autonomous Robot Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Autonomous Robot Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies autonomous robot companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the autonomous robot companies profiled in this report include-

OMRON

Fetch Robotics

Omron Robotics and Safety Technologies

FANUC

Aethon

Autonomous Robot Market Insights

Lucintel forecasts that unmanned ground vehicle will remain the largest segment over the forecast period due to its increasing use for various task, such as managing hazardous materials, performing rescue operations during emergencies, and guarding the perimeter of dangerous areas.

Within this market, logistics & warehouse will remain the largest segment.

North America will remain the largest region over the forecast period due to growing preference for ecommerce and rising adoption of automation among manufacturers of the region.

Features of the Global Autonomous Robot Market

Market Size Estimates: Autonomous robot market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Autonomous robot market size by mode of operation, product, end use, and region in terms of value (\$B).

Regional Analysis: Autonomous robot market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different mode of operations, products, end uses, and regions for the autonomous robot market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the autonomous robot market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the autonomous robot market size?

Answer: The global autonomous robot market is expected to reach an estimated \$6.1 billion by 2030.

Q2. What is the growth forecast for autonomous robot market?

Answer: The global autonomous robot market is expected to grow with a CAGR of 16.5% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the autonomous robot market?

Answer: The major drivers for this market are increasing demand for automation in various industries, rapid expansion of ecommerce sector, and growth of the internet of things (IoT) ecosystem.

Q4. What are the major segments for autonomous robot market?

Answer: The future of the autonomous robot market looks promising with opportunities in the industrial & manufacturing, power & energy, logistics & warehouse, aerospace & defense, oil & gas, forest & agriculture, medical & healthcare, and mining & mineral markets.

Q5. Who are the key autonomous robot market companies?

Answer: Some of the key autonomous robot companies are as follows:

OMRON

Fetch Robotics

Omron Robotics and Safety Technologies

FANUC

Aethon

Q6. Which autonomous robot market segment will be the largest in future?

Answer: Lucintel forecasts that unmanned ground vehicle will remain the largest segment over the forecast period due to its increasing use for various task, such as managing hazardous materials, performing rescue operations during emergencies, and guarding the perimeter of dangerous areas.

Q7. In autonomous robot market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the largest region over the forecast period due to growing preference for ecommerce and rising adoption of automation among manufacturers of the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the autonomous robot market by mode of operation (human operated and autonomous), mobile product (unmanned ground vehicle (UGV), unmanned marine vehicle (UMV), and unmanned aerial vehicle (UAV)), end use (industrial & manufacturing, power & energy, logistics & warehouse, aerospace & defense, oil & gas, forest & agriculture, medical & healthcare, mining & minerals, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Autonomous Robot Market, Autonomous Robot Market Size, Autonomous Robot Market Growth, Autonomous Robot Market Analysis, Autonomous Robot Market Report, Autonomous Robot Market Share, Autonomous Robot Market Trends, Autonomous Robot Market Forecast, Autonomous Robot Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to

get back to you soon.

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