+357 96 030922
info@marketpublishers.com

Service Robots Market Forecasts to 2032 – Global Analysis By Type (Professional Service Robots, Personal/Domestic Service Robots and Other Types), Mobility (Mobile / Autonomous Robots and Stationary / Fixed-Base Robots), Component, End User and By Geography

https://marketpublishers.com/r/S91CEF2D4DACEN.html
Date: September 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: S91CEF2D4DACEN

Abstracts

According to Stratistics MRC, the Global Service Robots Market is accounted for $43.9 billion in 2025 and is expected to reach $189.4 billion by 2032 growing at a CAGR of 23.2% during the forecast period. Service robots are autonomous or semi-autonomous machines designed to perform useful tasks for humans, excluding industrial automation. They operate in professional or personal environments, assisting with activities such as cleaning, delivery, healthcare, or customer service. These robots integrate sensors, AI, and mobility systems to interact safely and efficiently with users and surroundings. Unlike manufacturing robots, service robots focus on enhancing convenience, productivity, and quality of life across sectors like hospitality, logistics, agriculture, and elder care through non-industrial applications.

According International Hospitality Review scholarly interest in service robots has surged, with over 330 Scopus-indexed papers published between 1985 and 2022. The study highlights three dominant research themes: customer service adoption, anthropomorphism, and AI integration in robotic services.

Market Dynamics:

Driver:

+357 96 030922
info@marketpublishers.com

Growth of E-commerce and logistics automation

Service robots are increasingly deployed in warehouses and fulfillment centers to automate tasks such as sorting, picking, and last-mile delivery. These robots enhance operational speed, reduce human error, and lower labor costs, making them indispensable in high-volume environments. Additionally, the integration of AI and machine vision technologies enables robots to adapt to dynamic inventory systems and complex layouts. As consumer expectations for faster deliveries rise, logistics automation through service robotics is becoming a strategic imperative for global retailers.

Restraint:

Lack of standardization and regulatory hurdles

Varying safety standards, data privacy laws, and certification requirements hinder cross-border deployment and scalability. Moreover, the absence of unified protocols for human-robot interaction and operational safety creates uncertainty for manufacturers and end-users. These regulatory ambiguities slow down innovation and delay product commercialization, especially in sectors like healthcare and public services. Addressing these gaps will be critical to unlocking the full potential of service robotics globally.

Opportunity:

Robotics-as-a-service (RaaS) business model

Instead of high upfront capital investments, businesses can now subscribe to robotic services on a pay-per-use or monthly basis, improving affordability and flexibility. This model is particularly attractive to SMEs and startups seeking automation without long-term financial commitments. RaaS also enables continuous software updates, remote diagnostics, and scalability, making it ideal for dynamic operational environments. As cloud connectivity and edge computing mature, RaaS is expected to drive widespread adoption across industries such as hospitality, logistics, and healthcare.

Threat:

Lack of public trust in autonomous machines

Concerns about job displacement, data misuse, and machine decision-making in critical

+357 96 030922
info@marketpublishers.com

scenarios such as elder care or security have led to resistance in certain markets. Negative media coverage and isolated incidents of malfunction further amplify distrust. Building transparency in robot operations, ensuring ethical AI governance, and educating users about benefits and safeguards will be essential to foster acceptance and long-term adoption. Public skepticism regarding the safety, reliability, and ethical implications of autonomous robots remains a significant barrier.

Covid-19 Impact:

The COVID-19 pandemic accelerated the deployment of service robots across sectors, especially in healthcare, retail, and sanitation. Robots were used for disinfection, contactless delivery, and patient monitoring, reducing human exposure and ensuring continuity of essential services. However, supply chain disruptions and manufacturing delays temporarily affected production volumes and global distribution. On the upside, the crisis highlighted the value of automation in maintaining operational resilience, prompting increased investment in robotic technologies.

The professional service robots segment is expected to be the largest during the forecast period

The professional service robots segment is expected to account for the largest market share during the forecast period due to their extensive use in healthcare, hospitality, and public safety. These robots perform specialized tasks such as surgical assistance, elder care, and surveillance, often requiring advanced sensors and AI capabilities. Their ability to operate in complex environments with minimal human intervention makes them highly valuable. Continuous innovation in humanoid interfaces and autonomous navigation is further expanding their application scope.

The stationary / fixed-base robots segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the stationary / fixed-base robots segment is predicted to witness the highest growth rate driven by their deployment in industrial and commercial settings. These robots are typically installed at fixed locations for tasks like customer interaction, reception, and automated kiosks. Advancements in speech recognition, facial analysis, and multi-language support are enhancing their utility in retail and public spaces. As businesses seek cost-effective automation with minimal spatial disruption, fixed-base robots are gaining traction.

+357 96 030922
info@marketpublishers.com

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share supported by robust manufacturing ecosystems, government-led automation initiatives, and rising labor costs. Countries like China, Japan, and South Korea are investing heavily in robotics for healthcare, logistics, and smart cities. The region also benefits from a strong presence of leading robotics manufacturers and favorable policies promoting AI and automation. Rapid urbanization and demographic shifts are further driving demand for service robots in elder care, education, and public services.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR fueled by technological innovation, venture capital funding, and early adoption across industries. The region's strong emphasis on AI research, coupled with a mature regulatory environment, supports rapid commercialization of service robots. Applications in healthcare, defense, and retail are expanding, with growing interest in autonomous delivery and robotic customer service. Strategic partnerships between tech firms and robotics startups are accelerating product development and deployment, positioning North America as a key growth engine for the global market.

Key players in the market

Some of the key players in Service Robots Market include iRobot Corporation, Intuitive Surgical Inc., KUKA AG, SoftBank Robotics, Daifuku Co. Ltd., ABB Ltd., Omron Corporation, Samsung Electronics Co. Ltd., DJI, Boston Dynamics Inc., Pudu Robotics, Blue Ocean Robotics, Honda Motor Co. Ltd., Northrop Grumman Corporation, Cyberdyne Inc., Aethon Inc., Yujin Robot Co. Ltd., and Diligent Corporation.

Key Developments:

In August 2025, DJI launched the Mic 3, a compact wireless microphone system with 32-bit float recording and adaptive gain. Designed for creators, it integrates with DJI cameras and offers pro-grade audio.

In August 2025, Pudu Robotics unveiled the MT1 Max, an AI-powered 3D perception robotic sweeper for large-scale environments. Designed for underground garages and semi-open spaces, it sets a new standard in autonomous cleaning.

+357 96 030922
info@marketpublishers.com

In April 2025, Boston Dynamics and Hyundai announced a major expansion to deploy tens of thousands of robots across U.S. manufacturing sites. The collaboration will integrate Spot and Atlas robots into Hyundai's advanced factories.

Types Covered:

- Professional Service Robots
- Personal/Domestic Service Robots
- Other Types

Mobilities Covered:

- Mobile / Autonomous Robots
- Stationary / Fixed-Base Robots

Components Covered:

- Hardware
- Software
- Services

End Users Covered:

- Healthcare & Medical
- Logistics & Warehousing
- Construction & Demolition
- Defense & Security

+357 96 030922
info@marketpublishers.com

- Hospitality & Retail
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia

+357 96 030922
info@marketpublishers.com

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments

+357 96 030922
info@marketpublishers.com

- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8 GLOBAL SERVICE ROBOTS MARKET, BY END USER

9 GLOBAL SERVICE ROBOTS MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Service Robots Market Forecasts to 2032 – Global Analysis By Type (Professional Service Robots, Personal/Domestic Service Robots and Other Types), Mobility (Mobile / Autonomous Robots and Stationary / Fixed-Base Robots), Component, End User and By Geography

Product link: https://marketpublishers.com/r/S91CEF2D4DACEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S91CEF2D4DACEN.html