

# Service Robots Global Market 2024-2035: Markets, Technologies and Companies

<https://marketpublishers.com/r/SCB9E6B97312EN.html>

Date: June 2024

Pages: 460

Price: US\$ 1,250.00 (Single User License)

ID: SCB9E6B97312EN

## Abstracts

In the era of Industry 4.0 and beyond, service robots are emerging as catalysts for disruption, reshaping industries and revolutionizing the way we live and work. As businesses strive to enhance efficiency, improve customer experiences, and explore new frontiers, the demand for these intelligent machines is rapidly escalating.

Service Robots are becoming increasingly popular in many different industries including retail, healthcare, logistics, agriculture, and electronics. Robots are increasingly being used as services, and not just restricted to the automobile manufacturing sector due to the unavailability of qualified workforce, increasing cost of labour, and the reduced cost of automative systems.

Use of service robots is growing fast in Healthcare and manufacturing, and retail is increasingly using robots for customer engagement, utilizing analytics to predict product availability and demand, and for basic stock monitoring and assessments. Combining robotics hardware with new generative AI capabilities is also opening up new possibilities for the sector.

Service Robots Global Market 2024-2035 provides an in-depth analysis of the service robots landscape, offering valuable insights for businesses seeking to capitalize on this rapidly growing industry.

Report contents include:

Comprehensive coverage of service robot applications across consumer and professional domains, including healthcare, hospitality, agriculture, manufacturing, and more.

Analysis of service robot classifications based on mobility, functionality, and end-use applications, enabling targeted market strategies.

Identification of key market drivers, such as increased efficiency, enhanced safety, improved customer experiences, and accessibility for the elderly and disabled.

Evaluation of challenges hindering market growth, including regulatory compliance, safety concerns, and integration complexities.

Examination of the impact of Artificial Intelligence (AI) integration on service robot capabilities and functionality.

Assessment of emerging trends, such as Robotics as a Service (RaaS), cloud-based robotics, and device/system integration.

Analysis of national robot plans, policies, and safety/security measures governing the service robots industry across various regions.

Overview of the market structure, including key players, competitive dynamics, and potential collaborations.

Detailed market sizing and revenue projections from 2022 to 2035, segmented by application areas, professional and consumer use, and geographic regions.

Unit sales forecasts and revenue estimates for service robots.

Comprehensive profiles of 270 key players, including industry leaders, disruptors, and emerging innovators. Companies profiled include ABB Robotics, Aeolus Robotics, Agile Robots, Alphadroid, Angel Robotics, AutoStore, Bear Robotics, Berkshire Grey, Bright Machines, Built Robotics, Build with Robots, Chuangze Intelligent Robot, Cobotsys Co., Co-Robotics, Diligent Robotics, Doog Inc., Doosan Robotics, Ecorobotix, Ecovacs Robotics, Ekobot, Geek+, GreyOrange, Gaussian Robotics, HAI Robotics, Hanwha Foodtech, Hyundai, ICE Cobotics, Intuition Robotics, KEENON Robotics, Kompa? Robotics, Miso Robotics, Na?o Technologies, Neuromeka, NEURA Robotics, Pudu Robotics, Rainbow Robotics Inc., Relay Robotics, RoboEatz, SVT Robotics, UBTECH Robotics, Wootzano and many more.



## Contents

### 1 INTRODUCTION

- 1.1 Definitions- robotics, Service Robotics, Industrial Robotics
- 1.2 Classification of service robots
- 1.3 What are Service Robots?
- 1.4 Benefits of Service Robots
  - 1.4.1 Increased Efficiency and Productivity
  - 1.4.2 Enhanced Safety and Risk Reduction
  - 1.4.3 Improved Customer Experience
  - 1.4.4 Accessibility and Assistance for the Elderly and Disabled
- 1.5 Overview of the service robot market
- 1.6 Service Robots industry developments 2023-2024
- 1.7 Future outlook for service robots
- 1.8 Device/system integration
- 1.9 New types of robots
- 1.10 Service robot market structure
- 1.11 Applications
- 1.12 The Industrial Revolution 5.0
- 1.13 Artificial Intelligence (AI) integration
  - 1.13.1 Combining robotics hardware with new generative AI capabilities
- 1.14 Market trends
- 1.15 Collaboration with peripheral devices, systems and facilities
- 1.16 Safety/Security Measures
- 1.17 National robot plans and policies
- 1.18 Market challenges and future outlook

### 2 GLOBAL MARKET FOR SERVICE ROBOTS

- 2.1 Evolution of robots
- 2.2 Robotics as a Service (RaaS)
  - 2.2.1 Robotics as a cloud service
  - 2.2.2 Renting robots
  - 2.2.3 Benefits of RaaS
- 2.3 Medical, Healthcare and Elderly Care
  - 2.3.1 Market drivers and trends
  - 2.3.2 Market overview
  - 2.3.3 Market challenges

### 2.3.4 Applications

- 2.3.4.1 Power Assist/Amplification Suit
- 2.3.4.2 Surgical Robot
- 2.3.4.3 Transfer robot
- 2.3.4.4 Excretion Assistance Robot
- 2.3.4.5 Bathing Assistance Robot
- 2.3.4.6 Therapy Robots
- 2.3.4.7 Diagnostics
- 2.3.4.8 Rehabilitation and non-invasive therapy

### 2.4 Hospitality and Customer Service

- 2.4.1 Market drivers and trends
- 2.4.2 Market overview
- 2.4.3 Market challenges
- 2.4.4 Restaurants
  - 2.4.4.1 Restaurant robotics
  - 2.4.4.2 Food processing
  - 2.4.4.3 Food and beverage preparation
  - 2.4.4.4 Service
- 2.4.5 Retail stores and commercial facilities
- 2.4.6 Accommodation
- 2.4.7 Office Building
- 2.4.8 Applications
  - 2.4.8.1 Social robots
  - 2.4.8.2 Reception Guide Robot
  - 2.4.8.3 Telepresence Robot
  - 2.4.8.4 Cleaning Robots
  - 2.4.8.5 Commercial security robots
  - 2.4.8.6 Kitchen Robots
  - 2.4.8.7 Food Serving and Clearing Robot
  - 2.4.8.8 Delivery robot
  - 2.4.8.9 Cooking robot

### 2.5 Retail and Inventory Management

- 2.5.1 Market drivers and trends
- 2.5.2 Market overview
- 2.5.3 Market challenges
- 2.5.4 Applications
  - 2.5.4.1 Delivery robot (inside facility)
  - 2.5.4.2 Shelf management robot

### 2.6 Field Work, Exploration and Search and Rescue

- 2.6.1 Market drivers and trends
- 2.6.2 Market overview
- 2.6.3 Market challenges
- 2.6.4 Applications
  - 2.6.4.1 Drones and unmanned helicopters
  - 2.6.4.2 Underwater robots
- 2.7 Manufacturing
  - 2.7.1 Market drivers and trends
  - 2.7.2 Market overview
  - 2.7.3 Market challenges
  - 2.7.4 Integrated Smart Factory Management
  - 2.7.5 Applications
    - 2.7.5.1 Manufacturing robots
    - 2.7.5.2 Semiconductor and electronic component mounting
- 2.8 Delivery and Logistics
  - 2.8.1 Market drivers and trends
  - 2.8.2 Market overview
  - 2.8.3 Market challenges
  - 2.8.4 Applications
    - 2.8.4.1 Intralogistics material transporting robots
    - 2.8.4.2 Material handling
    - 2.8.4.3 Intralogistics material transporting
    - 2.8.4.4 Automated Guide Vehicles & Carts (AGV/Cs)
    - 2.8.4.5 Grid-based automated guided carts (grid-based AGC)
    - 2.8.4.6 Autonomous Mobile Robots (AMRs)
    - 2.8.4.7 Mobile picking robots
    - 2.8.4.8 Autonomous last mile delivery
- 2.9 Agriculture
  - 2.9.1 Market drivers and trends
  - 2.9.2 Market overview
  - 2.9.3 Market challenges
  - 2.9.4 Applications
    - 2.9.4.1 Agribots and autonomous tractors
    - 2.9.4.2 Autonomous sensor technologies
    - 2.9.4.3 Weed and pest control
    - 2.9.4.4 Robotic seeding
    - 2.9.4.5 Fully autonomous tractors
    - 2.9.4.6 Other autonomous farming machines and robots
    - 2.9.4.7 Robotic fruit and vegetable harvesting

2.9.4.8 Dairy farming robots

2.9.4.9 Autonomous mobile robots for livestock farming

2.9.4.10 Drones and satellites

## 2.10 Infrastructure and Public Facilities

2.10.1 Market drivers and trends

2.10.2 Market overview

2.10.3 Market challenges

2.10.4 Applications

2.10.4.1 Automated Construction Robots

2.10.4.2 Unmanned construction machinery

2.10.4.3 Infrastructure Inspection Robot

## 2.11 Market players in service robots

2.11.1 North America

2.11.2 Europe

2.11.3 Japan

2.11.4 China

2.11.5 Rest of Asia

2.11.6 Other

## **3 GLOBAL MARKET SIZE 2022-2035**

3.1 Revenues

3.2 Units

3.3 Service robots for professional use

3.4 Service robots for consumer use

## **4 COMPANY PROFILES 170 (270 COMPANY PROFILES)**

## **5 RESEARCH METHODOLOGY**

## **6 REFERENCES**

## List Of Tables

### LIST OF TABLES

- Table 1. Robot categorization.
- Table 2. Classification of service robots by type of movement.
- Table 3. Classification of service robots by consumer applications.
- Table 4. Classification of service robots by professional applications.
- Table 5. Categorisation of service robots.
- Table 6. Application areas for service robots.
- Table 7. Service Robots industry developments 2023-2024
- Table 8. Service robot applications.
- Table 9. Market trends by application
- Table 10. Market trends by service robot
- Table 11. National robot plans and policies.
- Table 12. Market drivers and trends for service robots in Healthcare and Elderly Care.
- Table 13. Market drivers and trends for service robots in Hospitality and Customer Service.
- Table 14. Categorization of cleaning robots.
- Table 15. Market players in disinfection robots.
- Table 16. Robotic cleaning vs traditional cleaning
- Table 17. Manual cleaning vs. non-UV-based vs. UV-based disinfection robots.
- Table 18. Market drivers and trends for service robots in Retail and Inventory Management.
- Table 19. Market drivers and trends for service robots in Manufacturing.
- Table 20. Types of manufacturing robots.
- Table 21. Market drivers and trends for service robots in Delivery and Logistics.
- Table 22. Comparison of AGV/AMR Robot vs Delivery Robot.
- Table 23. Market drivers and trends for service robots in Agriculture.
- Table 24. Current uses of agricultural robots.
- Table 25. Potential future uses and applications of agricultural robots.
- Table 26. Autonomous sensor technologies in smart farming.
- Table 27. Weed and pest control agribots.
- Table 28. Other autonomous farming machines and robots.
- Table 29. Other autonomous farming machines and robots products.
- Table 30. Advantages and Disadvantages of Robotic Milking.
- Table 31. Key companies in robotic milking.
- Table 32. Commercially available agricultural drones.
- Table 33. Drones vs. satellites vs. aeroplane.



Table 34. Commercially available spraying drones.

Table 35. Market drivers and trends for service robots in Hospitality and Customer Service.

Table 36. Service robot manufacturers in North America.

Table 37. Service robot manufacturers in Europe.

Table 38. Service robot manufacturers in Japan.

Table 39. Service robot manufacturers in China.

Table 40. Service robot manufacturers in Asia.

Table 41. Service robot manufacturers in Other countries.

Table 42. Service robots by application area, 2022-2035 (Millions USD).

Table 43. Service robots by application area, 2022-2035 (Units).

Table 44. Service robots for professional use, 2022-2035 (Millions USD).

Table 45. Service robots for consumer use use, 2022-2035 (Millions USD).

## List Of Figures

### LIST OF FIGURES

- Figure 1. Delivery robot.
- Figure 2. Service robot market structure.
- Figure 3. Evolution of robots.
- Figure 4. Breezy One™ Autonomous Disinfecting Robot.
- Figure 5. Alvo Ultra V-bot.
- Figure 6. UV-based disinfection robots for ICUs and hospitals.
- Figure 7. Evolve Raybotix
- Figure 8. RoboDeck.
- Figure 9. DEEBOT 710
- Figure 10. WINBOT 920.
- Figure 11. AGV/AMR Robot.
- Figure 12. Electric vs non-electric agricultural robots.
- Figure 13. Bug Vacuum by Agrobot.
- Figure 14. Anatis by Carr?.
- Figure 15. Avo by ecoRobotix.
- Figure 16. GEN-2 by Ekobot.
- Figure 17. Arbus 4000 JAV by Jacto.
- Figure 18. AX-1 by Kilter.
- Figure 19. Oz by Na?o Technologies.
- Figure 20. Dino by Na?o Technologies.
- Figure 21. Weed Whacker by Odd.Bot.
- Figure 22. Robot One by Pixelfarming Robotics.
- Figure 23. Titan FT-35 by Roush and FarmWise.
- Figure 24. Dick by Small Robot Company.
- Figure 25. Autonomous weeding robots by Vitirover.
- Figure 26. FD20 by FarmDroid.
- Figure 27. Genesis by FarmBot.
- Figure 28. eTrac unmanned electric tractor by Farmertronics.
- Figure 29. EOX-175 by H2Trac.
- Figure 30. Monarch Tractor.
- Figure 31. AgBot by AgXeed.
- Figure 32. Robotti 150D by Agrointelli.
- Figure 33. RoamIO (Korechi).
- Figure 34. Land Care Robot by Directed Machines.
- Figure 35. Ted by Na?o Technologies.

- Figure 36. PothaFacile by Pietro Rivi.
- Figure 37. SwarmBot 5 by SwarmFarm Robotics.
- Figure 38. Dot by Raven Industries.
- Figure 39. Trektor by SITIA.
- Figure 40. Bakus by VitiBot.
- Figure 41. FFRobot apple harvester
- Figure 42. Harvester B7
- Figure 43. CropHopper by HayBeeSee.
- Figure 44. Service robots by application area, 2022-2035 (Millions USD).
- Figure 45. Service robots by application area, 2022-2035 (Units).
- Figure 46. Service robots for professional use, 2022-2035 (Millions USD).
- Figure 47. Service robots for consumer use use, 2022-2035 (Millions USD).
- Figure 48. 'Kas' autonomous floor scrubber.
- Figure 49. 'Thaiger' food delivery bot.
- Figure 50. Servi Plus.
- Figure 51., DeKonBot 2.
- Figure 52. Smart Robotic Cells.
- Figure 53. Cobi 18 floor-cleaning robots.
- Figure 54. Intuition Robotics product.
- Figure 55. CLOi ServeBot.
- Figure 56. Tory inventory robot .
- Figure 57. 'Bowl Bot' and 'Sandwich Bot'.
- Figure 58. Neubility's self-driving robot.
- Figure 59. 'InductOne,' a dual-arm automated parcel induction system.
- Figure 60. Pudu Product Family.
- Figure 61. KettyBot Pro service robot.
- Figure 62. Smart cooking vending machine
- Figure 63. Roboeatz product.
- Figure 64. Infinite Kitchen technology.
- Figure 65. X4 ROVR autonomous floor scrubber.
- Figure 66. Plato restaurant service robots.

## I would like to order

Product name: Service Robots Global Market 2024-2035: Markets, Technologies and Companies

Product link: <https://marketpublishers.com/r/SCB9E6B97312EN.html>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SCB9E6B97312EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970