

Japan Autonomous Mobile Robots (AMR) Market Forecast 2024-2032

Market Report | 2024-05-20 | 115 pages | Inkwood Research

AVAILABLE LICENSES:

- Single User Price \$1100.00
- Global Site License \$1500.00

Report description:

KEY FINDINGS

The Japan autonomous mobile robots (AMR) market is set to record a CAGR of 19.38% during the forecast period, 2024-2032. AMRs are deployed for tasks such as material handling, assembly line support, and inventory management, contributing to improved efficiency and productivity. In logistics, Japan's densely populated urban areas and complex supply chains make AMRs a valuable asset for warehouse automation, order fulfillment, and last-mile delivery.

MARKET INSIGHTS

Moreover, Japan's aging population and labor shortages have propelled the adoption of AMRs in healthcare settings. These robots assist with tasks like patient care, medication delivery, and hospital logistics, easing the burden on healthcare professionals and enhancing patient outcomes.

Retail is another sector in Japan where AMRs are making an impact, particularly in large-scale stores and distribution centers. These robots streamline inventory management, shelf stocking, and order processing, enabling retailers to meet the demands of an increasingly digital and omnichannel market.

Government initiatives and partnerships between industry players and research institutions further drive the development and adoption of AMRs in Japan. With a focus on innovation, safety, and reliability, Japanese companies are at the forefront of AMR technology, aiming to capitalize on the growing global demand for robotic solutions.

In conclusion, Japan's AMR market presents a dynamic landscape characterized by technological innovation, diverse applications, and strategic partnerships. As the country continues to embrace automation and robotics, the AMR market is poised for sustained growth, offering opportunities for both domestic and international stakeholders.

COMPETITIVE INSIGHTS

Some of the prominent companies operating in the market include Boston Dynamics, Clearpath Robotics Inc, GreyOrange, etc.

Our report offerings include:

- Explore key findings of the overall market
- Strategic breakdown of market dynamics (Drivers, Restraints, Opportunities, Challenges)
- Market forecasts for a minimum of 9 years, along with 3 years of historical data for all segments, sub-segments, and regions
- Market Segmentation cater to a thorough assessment of key segments with their market estimations
- Geographical Analysis: Assessments of the mentioned regions and country-level segments with their market share
- Key analytics: Porter's Five Forces Analysis, Vendor Landscape, Opportunity Matrix, Key Buying Criteria, etc.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Competitive landscape is the theoretical explanation of the key companies based on factors, market share, etc.
- Company profiling: A detailed company overview, product/services offered, SCOT analysis, and recent strategic developments

Table of Contents:

TABLE OF CONTENTS

1. RESEARCH SCOPE & METHODOLOGY

1.1. STUDY OBJECTIVES

1.2. METHODOLOGY

1.3. ASSUMPTIONS & LIMITATIONS

2. EXECUTIVE SUMMARY

2.1. MARKET SIZE & ESTIMATES

2.2. MARKET OVERVIEW

2.3. COUNTRY SNAPSHOT

2.4. COUNTRY ANALYSIS

2.5. SCOPE OF STUDY

2.6. CRISIS SCENARIO ANALYSIS

2.6.1. IMPACT OF COVID-19 ON AUTONOMOUS MOBILE ROBOTS (AMR) MARKET

2.7. MAJOR MARKET FINDINGS

2.7.1. SIGNIFICANT GROWTH IN DEMAND FOR AMRs IN LOGISTICS AND WAREHOUSE MANAGEMENT

2.7.2. EXPANSION OF APPLICATIONS INTO HEALTHCARE, RETAIL, AND MANUFACTURING SECTORS

2.7.3. INCREASED INVESTMENT AND PARTNERSHIPS AMONG KEY PLAYERS

2.7.4. ROBOTICS-AS-A-SERVICE (RAAS) ENABLES AMR ADOPTION WITH MINIMAL UPFRONT COSTS FOR BUSINESSES

3. MARKET DYNAMICS

3.1. KEY DRIVERS

3.1.1. INCREASING DEMAND FOR AUTOMATION AND EFFICIENCY IN VARIOUS INDUSTRIES

3.1.2. TECHNOLOGICAL ADVANCEMENTS IN SENSOR TECHNOLOGY AND ARTIFICIAL INTELLIGENCE

3.1.3. RISING ADOPTION OF E-COMMERCE AND WAREHOUSE AUTOMATION

3.1.4. COMPLIANCE WITH INDUSTRY REGULATIONS AND STANDARDS LIKE SAFETY AND HYGIENE

3.2. KEY RESTRAINTS

3.2.1. HIGH INITIAL INVESTMENTS AND INSTALLATION COSTS

3.2.2. CONCERNS REGARDING SAFETY AND SECURITY IN SHARED WORKSPACES

3.2.3. LACK OF SKILLED LABOR FOR OPERATION AND MAINTENANCE

4. KEY ANALYTICS

4.1. KEY MARKET TRENDS

4.1.1. INTEGRATION OF AMRs WITH INTERNET OF THINGS (IOT) FOR REAL-TIME MONITORING AND CONTROL

4.1.2. EMPHASIS ON COLLABORATIVE ROBOTS (COBOTS) FOR SAFE HUMAN-ROBOT INTERACTION

4.1.3. ADOPTION OF CLOUD-BASED SOFTWARE SOLUTIONS FOR FLEET MANAGEMENT AND OPTIMIZATION

4.1.4. DEVELOPMENT OF HYBRID AMRs CAPABLE OF BOTH MANUAL AND AUTONOMOUS OPERATION

4.2. PORTER'S FIVE FORCES ANALYSIS

4.2.1. BUYERS POWER

4.2.2. SUPPLIERS POWER

4.2.3. SUBSTITUTION

4.2.4. NEW ENTRANTS

4.2.5. INDUSTRY RIVALRY

4.3. GROWTH PROSPECT MAPPING

4.4. MARKET MATURITY ANALYSIS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.5. MARKET CONCENTRATION ANALYSIS
- 4.6. VALUE CHAIN ANALYSIS
 - 4.6.1. RESEARCH AND DEVELOPMENT (R&D)
 - 4.6.2. COMPONENT MANUFACTURING
 - 4.6.3. AMR SYSTEM INTEGRATION
 - 4.6.4. INSTALLATION AND DEPLOYMENT
 - 4.6.5. END-USERS
- 4.7. KEY BUYING CRITERIA
 - 4.7.1. FUNCTIONALITY
 - 4.7.2. SCALABILITY
 - 4.7.3. INTEGRATION
 - 4.7.4. RETURN OF INVESTMENT (ROI)
- 4.8. REGULATORY FRAMEWORK
- 5. MARKET BY COMPONENT
 - 5.1. HARDWARE
 - 5.1.1. MARKET FORECAST FIGURE
 - 5.1.2. SEGMENT ANALYSIS
 - 5.2. SOFTWARE
 - 5.2.1. MARKET FORECAST FIGURE
 - 5.2.2. SEGMENT ANALYSIS
 - 5.3. SERVICE
 - 5.3.1. MARKET FORECAST FIGURE
 - 5.3.2. SEGMENT ANALYSIS
- 6. MARKET BY ROBOT TYPE
 - 6.1. GOODS-TO-PERSON PICKING ROBOTS
 - 6.1.1. MARKET FORECAST FIGURE
 - 6.1.2. SEGMENT ANALYSIS
 - 6.2. SELF-DRIVING FORKLIFTS
 - 6.2.1. MARKET FORECAST FIGURE
 - 6.2.2. SEGMENT ANALYSIS
 - 6.3. AUTONOMOUS INVENTORY ROBOTS
 - 6.3.1. MARKET FORECAST FIGURE
 - 6.3.2. SEGMENT ANALYSIS
 - 6.4. UNMANNED AERIAL VEHICLES
 - 6.4.1. MARKET FORECAST FIGURE
 - 6.4.2. SEGMENT ANALYSIS
- 7. MARKET BY APPLICATION
 - 7.1. SORTING
 - 7.1.1. MARKET FORECAST FIGURE
 - 7.1.2. SEGMENT ANALYSIS
 - 7.2. PICK & PLACE
 - 7.2.1. MARKET FORECAST FIGURE
 - 7.2.2. SEGMENT ANALYSIS
 - 7.3. TOWING
 - 7.3.1. MARKET FORECAST FIGURE
 - 7.3.2. SEGMENT ANALYSIS
 - 7.4. TUGGING

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.4.1. MARKET FORECAST FIGURE
- 7.4.2. SEGMENT ANALYSIS
- 7.5. OTHER APPLICATIONS
- 7.5.1. MARKET FORECAST FIGURE
- 7.5.2. SEGMENT ANALYSIS
- 8. MARKET BY END-USER
- 8.1. AUTOMOTIVE
- 8.1.1. MARKET FORECAST FIGURE
- 8.1.2. SEGMENT ANALYSIS
- 8.2. ELECTRONICS
- 8.2.1. MARKET FORECAST FIGURE
- 8.2.2. SEGMENT ANALYSIS
- 8.3. HEALTHCARE & PHARMACEUTICALS
- 8.3.1. MARKET FORECAST FIGURE
- 8.3.2. SEGMENT ANALYSIS
- 8.4. LOGISTICS & E-COMMERCE
- 8.4.1. MARKET FORECAST FIGURE
- 8.4.2. SEGMENT ANALYSIS
- 8.5. AEROSPACE & DEFENSE
- 8.5.1. MARKET FORECAST FIGURE
- 8.5.2. SEGMENT ANALYSIS
- 8.6. FAST-MOVING CONSUMER GOODS (FMCG)
- 8.6.1. MARKET FORECAST FIGURE
- 8.6.2. SEGMENT ANALYSIS
- 8.7. OTHER END-USERS
- 8.7.1. MARKET FORECAST FIGURE
- 8.7.2. SEGMENT ANALYSIS
- 9. COMPETITIVE LANDSCAPE
- 9.1. KEY STRATEGIC DEVELOPMENTS
- 9.1.1. MERGERS & ACQUISITIONS
- 9.1.2. PRODUCT LAUNCHES & DEVELOPMENTS
- 9.1.3. PARTNERSHIPS & AGREEMENTS
- 9.1.4. BUSINESS EXPANSIONS & DIVESTITURES
- 9.2. COMPANY PROFILES
- 9.2.1. AETHON INC
- 9.2.1.1. COMPANY OVERVIEW
- 9.2.1.2. PRODUCT LIST
- 9.2.1.3. STRENGTHS & CHALLENGES
- 9.2.2. BLEUM
- 9.2.2.1. COMPANY OVERVIEW
- 9.2.2.2. PRODUCT LIST
- 9.2.2.3. STRENGTHS & CHALLENGES
- 9.2.3. BOSTON DYNAMICS
- 9.2.3.1. COMPANY OVERVIEW
- 9.2.3.2. PRODUCT LIST
- 9.2.3.3. STRENGTHS & CHALLENGES
- 9.2.4. GREYORANGE

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2.4.1. COMPANY OVERVIEW
- 9.2.4.2. PRODUCT LIST
- 9.2.4.3. STRENGTHS & CHALLENGES
- 9.2.5. INVIA ROBOTICS
 - 9.2.5.1. COMPANY OVERVIEW
 - 9.2.5.2. PRODUCT LIST
 - 9.2.5.3. STRENGTHS & CHALLENGES
- 9.2.6. LOCUS ROBOTICS INC
 - 9.2.6.1. COMPANY OVERVIEW
 - 9.2.6.2. PRODUCT LIST
 - 9.2.6.3. STRENGTHS & CHALLENGES
- 9.2.7. OMRON CORPORATION
 - 9.2.7.1. COMPANY OVERVIEW
 - 9.2.7.2. PRODUCT LIST
 - 9.2.7.3. STRENGTHS & CHALLENGES

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Japan Autonomous Mobile Robots (AMR) Market Forecast 2024-2032

Market Report | 2024-05-20 | 115 pages | Inkwood Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User Price	\$1100.00
	Global Site License	\$1500.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-08"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com