

Global Autonomous Mobile Robots (AMR) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

<https://marketpublishers.com/r/GA63A1C77CE2EN.html>

Date: April 2024

Pages: 130

Price: US\$ 3,950.00 (Single User License)

ID: GA63A1C77CE2EN

Abstracts

An autonomous mobile robot (AMR) is a robot that performs behaviors or tasks with a high degree of autonomy. The AMR relies on autonomous navigation where no wires, tape, GPS or other navigation markers are required. Its laser guidance system assures precise navigation, obstacle avoidance and human safety. The drive-around mapping with laptop adjustments enables fast and easy route updates and additions. The demands placed on the functionality of autonomous robotic systems are significantly higher compared to conventional industrial robots. The aim is that mobile systems operate autonomously in unknown and dynamic environments to fulfill their assigned tasks. For this purpose, it is essential to explore and model the environment in a suitable way. The information gathered by sensors has to be combined to allow for an accurate positioning. In addition, the perceived surroundings have to be consolidated in an exact map representation. Having acquired this knowledge, the robot is able to plan an optimal collision-free path to a given goal and to perform complex handling tasks.

According to APO Research, The global Autonomous Mobile Robots (AMR) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

North America is the largest region of autonomous mobile robots, with a market share about 40%, followed by Europe and China, etc. Swisslog (KUKA), Omron Adept and Geekplus Technology are the top 3 manufacturers of industry, and they had about 43% combined market share. In terms of product, LiDAR+vision based is the largest segment, with a share over 80%. And in terms of end-users, the largest application is logistics and warehouse, followed by manufacturing.

In terms of production side, this report researches the Autonomous Mobile Robots (AMR) production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Autonomous Mobile Robots (AMR) by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Autonomous Mobile Robots (AMR), capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Autonomous Mobile Robots (AMR), also provides the consumption of main regions and countries. Of the upcoming market potential for Autonomous Mobile Robots (AMR), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Autonomous Mobile Robots (AMR) sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Autonomous Mobile Robots (AMR) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Autonomous Mobile Robots (AMR) sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Swisslog (KUKA), Omron Adept, Clearpath Robotics, Vecna, Mobile Industrial Robots, SMP Robotics, Cimcorp Automation, Aethon and Locus Robotics, etc.

Autonomous Mobile Robots (AMR) segment by Company

Swisslog (KUKA)

Omron Adept

Clearpath Robotics

Vecna

Mobile Industrial Robots

SMP Robotics

Cimcorp Automation

Aethon

Locus Robotics

Fetch Robotics

Geekplus Technology

6 River Systems

ForwardX Robotics

Autonomous Mobile Robots (AMR) segment by Type

LiDAR Based

LiDAR+Vision Based

Autonomous Mobile Robots (AMR) segment by Application

Hospitals and Healthcare

Manufacturing

Logistics and Warehouse

Others

Autonomous Mobile Robots (AMR) segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.

6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Autonomous Mobile Robots (AMR) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Autonomous Mobile Robots (AMR) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Autonomous Mobile Robots (AMR).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Autonomous Mobile Robots (AMR) market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Autonomous Mobile Robots (AMR) industry.

Chapter 3: Detailed analysis of Autonomous Mobile Robots (AMR) market competition landscape. Including Autonomous Mobile Robots (AMR) manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Autonomous Mobile Robots (AMR) by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Autonomous Mobile Robots (AMR) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Autonomous Mobile Robots (AMR) Production Value Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Autonomous Mobile Robots (AMR) Production Capacity Estimates and Forecasts (2019-2030)
 - 1.2.3 Global Autonomous Mobile Robots (AMR) Production Estimates and Forecasts (2019-2030)
 - 1.2.4 Global Autonomous Mobile Robots (AMR) Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 GLOBAL AUTONOMOUS MOBILE ROBOTS (AMR) MARKET DYNAMICS

- 2.1 Autonomous Mobile Robots (AMR) Industry Trends
- 2.2 Autonomous Mobile Robots (AMR) Industry Drivers
- 2.3 Autonomous Mobile Robots (AMR) Industry Opportunities and Challenges
- 2.4 Autonomous Mobile Robots (AMR) Industry Restraints

3 AUTONOMOUS MOBILE ROBOTS (AMR) MARKET BY MANUFACTURERS

- 3.1 Global Autonomous Mobile Robots (AMR) Production Value by Manufacturers (2019-2024)
- 3.2 Global Autonomous Mobile Robots (AMR) Production by Manufacturers (2019-2024)
- 3.3 Global Autonomous Mobile Robots (AMR) Average Price by Manufacturers (2019-2024)
- 3.4 Global Autonomous Mobile Robots (AMR) Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Autonomous Mobile Robots (AMR) Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Autonomous Mobile Robots (AMR) Manufacturers, Product Type & Application
- 3.7 Global Autonomous Mobile Robots (AMR) Manufacturers Commercialization Time
- 3.8 Market Competitive Analysis

- 3.8.1 Global Autonomous Mobile Robots (AMR) Market CR5 and HHI
- 3.8.2 Global Top 5 and 10 Autonomous Mobile Robots (AMR) Players Market Share by Production Value in 2023
- 3.8.3 2023 Autonomous Mobile Robots (AMR) Tier 1, Tier 2, and Tier

4 AUTONOMOUS MOBILE ROBOTS (AMR) MARKET BY TYPE

- 4.1 Autonomous Mobile Robots (AMR) Type Introduction
 - 4.1.1 LiDAR Based
 - 4.1.2 LiDAR+Vision Based
- 4.2 Global Autonomous Mobile Robots (AMR) Production by Type
 - 4.2.1 Global Autonomous Mobile Robots (AMR) Production by Type (2019 VS 2023 VS 2030)
 - 4.2.2 Global Autonomous Mobile Robots (AMR) Production by Type (2019-2030)
 - 4.2.3 Global Autonomous Mobile Robots (AMR) Production Market Share by Type (2019-2030)
- 4.3 Global Autonomous Mobile Robots (AMR) Production Value by Type
 - 4.3.1 Global Autonomous Mobile Robots (AMR) Production Value by Type (2019 VS 2023 VS 2030)
 - 4.3.2 Global Autonomous Mobile Robots (AMR) Production Value by Type (2019-2030)
 - 4.3.3 Global Autonomous Mobile Robots (AMR) Production Value Market Share by Type (2019-2030)

5 AUTONOMOUS MOBILE ROBOTS (AMR) MARKET BY APPLICATION

- 5.1 Autonomous Mobile Robots (AMR) Application Introduction
 - 5.1.1 Hospitals and Healthcare
 - 5.1.2 Manufacturing
 - 5.1.3 Logistics and Warehouse
 - 5.1.4 Others
- 5.2 Global Autonomous Mobile Robots (AMR) Production by Application
 - 5.2.1 Global Autonomous Mobile Robots (AMR) Production by Application (2019 VS 2023 VS 2030)
 - 5.2.2 Global Autonomous Mobile Robots (AMR) Production by Application (2019-2030)
 - 5.2.3 Global Autonomous Mobile Robots (AMR) Production Market Share by Application (2019-2030)
- 5.3 Global Autonomous Mobile Robots (AMR) Production Value by Application
 - 5.3.1 Global Autonomous Mobile Robots (AMR) Production Value by Application (2019

VS 2023 VS 2030)

5.3.2 Global Autonomous Mobile Robots (AMR) Production Value by Application (2019-2030)

5.3.3 Global Autonomous Mobile Robots (AMR) Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 Swisslog (KUKA)

6.1.1 Swisslog (KUKA) Company Information

6.1.2 Swisslog (KUKA) Business Overview

6.1.3 Swisslog (KUKA) Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.1.4 Swisslog (KUKA) Autonomous Mobile Robots (AMR) Product Portfolio

6.1.5 Swisslog (KUKA) Recent Developments

6.2 Omron Adept

6.2.1 Omron Adept Company Information

6.2.2 Omron Adept Business Overview

6.2.3 Omron Adept Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.2.4 Omron Adept Autonomous Mobile Robots (AMR) Product Portfolio

6.2.5 Omron Adept Recent Developments

6.3 Clearpath Robotics

6.3.1 Clearpath Robotics Company Information

6.3.2 Clearpath Robotics Business Overview

6.3.3 Clearpath Robotics Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.3.4 Clearpath Robotics Autonomous Mobile Robots (AMR) Product Portfolio

6.3.5 Clearpath Robotics Recent Developments

6.4 Vecna

6.4.1 Vecna Company Information

6.4.2 Vecna Business Overview

6.4.3 Vecna Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.4.4 Vecna Autonomous Mobile Robots (AMR) Product Portfolio

6.4.5 Vecna Recent Developments

6.5 Mobile Industrial Robots

6.5.1 Mobile Industrial Robots Company Information

6.5.2 Mobile Industrial Robots Business Overview

6.5.3 Mobile Industrial Robots Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.5.4 Mobile Industrial Robots Autonomous Mobile Robots (AMR) Product Portfolio

6.5.5 Mobile Industrial Robots Recent Developments

6.6 SMP Robotics

6.6.1 SMP Robotics Company Information

6.6.2 SMP Robotics Business Overview

6.6.3 SMP Robotics Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.6.4 SMP Robotics Autonomous Mobile Robots (AMR) Product Portfolio

6.6.5 SMP Robotics Recent Developments

6.7 Cimcorp Automation

6.7.1 Cimcorp Automation Company Information

6.7.2 Cimcorp Automation Business Overview

6.7.3 Cimcorp Automation Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.7.4 Cimcorp Automation Autonomous Mobile Robots (AMR) Product Portfolio

6.7.5 Cimcorp Automation Recent Developments

6.8 Aethon

6.8.1 Aethon Company Information

6.8.2 Aethon Business Overview

6.8.3 Aethon Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.8.4 Aethon Autonomous Mobile Robots (AMR) Product Portfolio

6.8.5 Aethon Recent Developments

6.9 Locus Robotics

6.9.1 Locus Robotics Company Information

6.9.2 Locus Robotics Business Overview

6.9.3 Locus Robotics Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.9.4 Locus Robotics Autonomous Mobile Robots (AMR) Product Portfolio

6.9.5 Locus Robotics Recent Developments

6.10 Fetch Robotics

6.10.1 Fetch Robotics Company Information

6.10.2 Fetch Robotics Business Overview

6.10.3 Fetch Robotics Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.10.4 Fetch Robotics Autonomous Mobile Robots (AMR) Product Portfolio

6.10.5 Fetch Robotics Recent Developments

6.11 Geekplus Technology

6.11.1 Geekplus Technology Company Information

6.11.2 Geekplus Technology Business Overview

6.11.3 Geekplus Technology Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.11.4 Geekplus Technology Autonomous Mobile Robots (AMR) Product Portfolio

6.11.5 Geekplus Technology Recent Developments

6.12 6 River Systems

6.12.1 6 River Systems Company Information

6.12.2 6 River Systems Business Overview

6.12.3 6 River Systems Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.12.4 6 River Systems Autonomous Mobile Robots (AMR) Product Portfolio

6.12.5 6 River Systems Recent Developments

6.13 ForwardX Robotics

6.13.1 ForwardX Robotics Company Information

6.13.2 ForwardX Robotics Business Overview

6.13.3 ForwardX Robotics Autonomous Mobile Robots (AMR) Production, Value and Gross Margin (2019-2024)

6.13.4 ForwardX Robotics Autonomous Mobile Robots (AMR) Product Portfolio

6.13.5 ForwardX Robotics Recent Developments

7 GLOBAL AUTONOMOUS MOBILE ROBOTS (AMR) PRODUCTION BY REGION

7.1 Global Autonomous Mobile Robots (AMR) Production by Region: 2019 VS 2023 VS 2030

7.2 Global Autonomous Mobile Robots (AMR) Production by Region (2019-2030)

7.2.1 Global Autonomous Mobile Robots (AMR) Production by Region: 2019-2024

7.2.2 Global Autonomous Mobile Robots (AMR) Production by Region (2025-2030)

7.3 Global Autonomous Mobile Robots (AMR) Production by Region: 2019 VS 2023 VS 2030

7.4 Global Autonomous Mobile Robots (AMR) Production Value by Region (2019-2030)

7.4.1 Global Autonomous Mobile Robots (AMR) Production Value by Region: 2019-2024

7.4.2 Global Autonomous Mobile Robots (AMR) Production Value by Region (2025-2030)

7.5 Global Autonomous Mobile Robots (AMR) Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

- 7.6.1 North America Autonomous Mobile Robots (AMR) Production Value (2019-2030)
- 7.6.2 Europe Autonomous Mobile Robots (AMR) Production Value (2019-2030)
- 7.6.3 Asia-Pacific Autonomous Mobile Robots (AMR) Production Value (2019-2030)
- 7.6.4 Latin America Autonomous Mobile Robots (AMR) Production Value (2019-2030)
- 7.6.5 Middle East & Africa Autonomous Mobile Robots (AMR) Production Value (2019-2030)

8 GLOBAL AUTONOMOUS MOBILE ROBOTS (AMR) CONSUMPTION BY REGION

8.1 Global Autonomous Mobile Robots (AMR) Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global Autonomous Mobile Robots (AMR) Consumption by Region (2019-2030)

8.2.1 Global Autonomous Mobile Robots (AMR) Consumption by Region (2019-2024)

8.2.2 Global Autonomous Mobile Robots (AMR) Consumption by Region (2025-2030)

8.3 North America

8.3.1 North America Autonomous Mobile Robots (AMR) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.3.2 North America Autonomous Mobile Robots (AMR) Consumption by Country (2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe Autonomous Mobile Robots (AMR) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe Autonomous Mobile Robots (AMR) Consumption by Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Autonomous Mobile Robots (AMR) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific Autonomous Mobile Robots (AMR) Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA Autonomous Mobile Robots (AMR) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.6.2 LAMEA Autonomous Mobile Robots (AMR) Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Autonomous Mobile Robots (AMR) Value Chain Analysis

9.1.1 Autonomous Mobile Robots (AMR) Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Autonomous Mobile Robots (AMR) Production Mode & Process

9.2 Autonomous Mobile Robots (AMR) Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Autonomous Mobile Robots (AMR) Distributors

9.2.3 Autonomous Mobile Robots (AMR) Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

I would like to order

Product name: Global Autonomous Mobile Robots (AMR) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

Product link: <https://marketpublishers.com/r/GA63A1C77CE2EN.html>

Price: US\$ 3,950.00 (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/GA63A1C77CE2EN.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

