

US Autonomous Mobile Manipulator Robots Market Size study, by Type (Differential, Omni- Directional), by Application (Sorting, Transportation, Assembly, Inventory Management, Others), by Payload (3-5 Kg, 5-10 Kg, 10-20 Kg, More Than 20 Kg), by End- Use (Automotive, Electronics, Logistics, FMCG, Healthcare, Others) Forecasts 2022-2032

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Abstracts

US Autonomous Mobile Manipulator Robots Market is valued at approximately USD 55.97 million in 2023 and is anticipated to grow with a healthy growth rate of more than 27.55 % over the forecast period 2024-2032. Autonomous Mobile Manipulator Robots are autonomous systems that can roam around and operate stuff. They combine mobile bases for movement with robotic arms for functions such as collecting and arranging items. These robots employ sensors, computer vision, and artificial intelligence to analyse their environment, plan routes, and perform tasks autonomously. They are used in industries such as manufacturing and logistics to improve efficiency and safety in complicated operating settings. The Global Autonomous Mobile Manipulator Robots Market is quickly rising by increasing automation in areas such as healthcare, logistics, and manufacturing. Moreover, in the US Autonomous Mobile Manipulator Robots Market, there is a growing trend towards integrating these robots with Artificial Intelligence (AI) and machine learning proficiencies that leading to the growth of market.

The US Autonomous Mobile Manipulator Robots Market is driven by several factors such as increasing adoption of robotics in e-commerce fulfilment centres, advancements in Artificial Intelligence (AI) for robotic automation, and the need to address labour shortages in manufacturing. Rapid AI advancements ensure robots perform complex tasks autonomously and adapt to changing environments. AI

algorithms empower robots to make real-time decisions, enhance navigation and improve interaction capabilities with minimal human intervention. This capability is complex in industries where precision and efficiency are paramount, such as in automated warehousing and logistics operations. However, the high initial cost of integrating autonomous mobile manipulator robots in the market requires substantial investment for purchasing, , and maintaining these sophisticated robotic systems that can be prohibitive for some businesses, and smaller enterprises can impact the market growth over the forecasts period.

Major market player included in this report are:

Onward Robotics

Boston Dynamics Inc.

Company 3

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Type

Differential

Omni-Directional

By Application

Sorting

Transportation

Assembly

Inventory Management

Others

By Payload

3-5 Kg

5-10 Kg

10-20 Kg

More than 20 Kg

By End-Use

Automotive

Electronics

Logistics

FMCG

Healthcare

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. US Autonomous Mobile Manipulator Robots Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
 - 2.2.1. By Type
 - 2.2.2. By Application
 - 2.2.3. By Payload
 - 2.2.4. By End- Use
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET DYNAMICS

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET SIZE & FORECASTS BY TYPE 2022-2032

- 5.1. Differential
- 5.2. Omni-Directional

CHAPTER 6. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Sorting

- 6.2. Transportation
- 6.3. Assembly
- 6.4. Inventory Management
- 6.5. Others

CHAPTER 7. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET SIZE & FORECASTS BY PAYLOAD 2022-2032

- 7.1. 3-5 Kg
- 7.2. 5-10 Kg
- 7.3. 10-20 Kg
- 7.4. More than 20 Kg

CHAPTER 8. US AUTONOMOUS MOBILE MANIPULATOR ROBOTS MARKET SIZE & FORECASTS BY END- USE 2022-2032

- 8.1. Automotive
- 8.2. Electronics
- 8.3. Logistics
- 8.4. FMCG
- 8.5. Healthcare
- 8.6. Others

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Onward Robotics
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. Boston Dynamics Inc.
 - 9.3.3. Company

- 9.3.4. Company
- 9.3.5. Company
- 9.3.6. Company
- 9.3.7. Company
- 9.3.8. Company
- 9.3.9. Company
- 9.3.10. Company

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. US Autonomous Mobile Manipulator Robots market, report scope
- TABLE 2. US Autonomous Mobile Manipulator Robots market estimates & forecasts by Type 2022-2032 (USD Million)
- TABLE 3. US Autonomous Mobile Manipulator Robots market estimates & forecasts by Application 2022-2032 (USD Million)
- TABLE 4. US Autonomous Mobile Manipulator Robots market estimates & forecasts by Payload 2022-2032 (USD Million)
- TABLE 5. US Autonomous Mobile Manipulator Robots market estimates & forecasts by End– Use 2022-2032 (USD Million)
- TABLE 6. US Autonomous Mobile Manipulator Robots market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 7. US Autonomous Mobile Manipulator Robots market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 8. US Autonomous Mobile Manipulator Robots market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 9. US Autonomous Mobile Manipulator Robots market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 10. US Autonomous Mobile Manipulator Robots market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 11. U.S. Autonomous Mobile Manipulator Robots market estimates & forecasts, 2022-2032 (USD Million)
- TABLE 12. U.S. Autonomous Mobile Manipulator Robots market estimates & forecasts by segment 2022-2032 (USD Million)
- TABLE 13. U.S. Autonomous Mobile Manipulator Robots market estimates & forecasts by segment 2022-2032 (USD Million)
- TABLE 14. List of secondary sources, used in the study of US Autonomous Mobile Manipulator Robots Market.
- TABLE 15. List of primary sources, used in the study of US Autonomous Mobile Manipulator Robots Market.
- TABLE 16. Years considered for the study.
- TABLE 17. Exchange rates considered.

List Of Figures

LIST OF FIGURES

FIG 1. US Autonomous Mobile Manipulator Robots market, research methodology

FIG 2. US Autonomous Mobile Manipulator Robots market, market estimation techniques

FIG 3. US market size estimates & forecast methods.

FIG 4. US Autonomous Mobile Manipulator Robots market, key trends 2023

FIG 5. US Autonomous Mobile Manipulator Robots market, growth prospects 2022-2032

FIG 6. US Autonomous Mobile Manipulator Robots market, porters 5 force model

FIG 7. US Autonomous Mobile Manipulator Robots market, pestel analysis

FIG 8. US Autonomous Mobile Manipulator Robots market, value chain analysis

FIG 9. US Autonomous Mobile Manipulator Robots market by segment, 2022 & 2032 (USD Million)

FIG 10. US Autonomous Mobile Manipulator Robots market by segment, 2022 & 2032 (USD Million)

FIG 11. US Autonomous Mobile Manipulator Robots market by segment, 2022 & 2032 (USD Million)

FIG 12. US Autonomous Mobile Manipulator Robots market by segment, 2022 & 2032 (USD Million)

FIG 13. US Autonomous Mobile Manipulator Robots market by segment, 2022 & 2032 (USD Million)

FIG 14. US Autonomous Mobile Manipulator Robots market, company market share analysis (2023)

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