

Global Automated Storage And Retrieval Systems Market Size Study, by Function (Storage, Distribution, Assembly), Type (Unit Load, Mini Load, Vertical Lift Module, Carousel, Mid Load), Vertical (Automotive, Food & Beverages, E-Commerce, Retail), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GA81298EFFA5EN.html>

Date: February 2025

Pages: 285

Price: US\$ 4,950.00 (Single User License)

ID: GA81298EFFA5EN

Abstracts

The global Automated Storage And Retrieval Systems (AS/RS) market is valued at approximately USD 8.7 billion in 2023 and is anticipated to grow at a healthy compound annual growth rate (CAGR) of 7.9% over the forecast period 2024-2032. AS/RS solutions are revolutionizing warehouse and inventory management by providing precision, efficiency, and scalability. These systems automate the retrieval and storage of goods, enabling businesses to enhance operational productivity, reduce labor costs, and maximize space utilization.

With the exponential rise of e-commerce and increasing consumer demand for rapid order fulfillment, AS/RS systems have become essential components in modern logistics. The adoption of advanced technologies such as AI, IoT, and robotics further enhances their functionality, providing real-time insights and enabling predictive maintenance. Additionally, the ability to integrate seamlessly into existing warehouse management systems ensures that businesses across verticals can transition smoothly into automation.

Despite the immense potential, the high initial capital required for installation and customization remains a significant challenge for small and medium enterprises. However, advancements in modular solutions and the emergence of cost-effective leasing options are making these systems more accessible. Furthermore, the ongoing

shift toward Industry 4.0 and government incentives promoting automation and smart manufacturing provide ample growth opportunities for AS/RS providers worldwide.

Regionally, North America leads the AS/RS market due to the presence of established players, high adoption rates of automation, and a robust e-commerce ecosystem. Europe follows closely, driven by increasing investments in automation across the automotive and food industries. The Asia Pacific region is expected to witness the fastest growth, fueled by rapid industrialization, expansion of manufacturing hubs, and the growing demand for efficient supply chain solutions in countries like China, India, and Japan.

Major market players included in this report are:

Daifuku Co., Ltd.

Dematic Group (KION Group AG)

Honeywell Intelligrated

SSI Schaefer Group

Murata Machinery, Ltd.

Vanderlande Industries B.V.

Kardex Group

Swisslog Holding AG

Mecalux, S.A.

Toyota Industries Corporation

Bastian Solutions, Inc.

Knapp AG

TGW Logistics Group GmbH

Westfalia Technologies, Inc.

Autocrib, Inc.

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

By Function:

Storage

Distribution

Assembly

By Type:

Unit Load

Mini Load

Vertical Lift Module

Carousel

Mid Load

By Vertical:

Automotive

Food & Beverages

E-Commerce

Retail

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Comprehensive revenue forecasts and market segment analysis from 2022-2032.

Insights into technological advancements shaping the AS/RS market.

Strategic recommendations to navigate market challenges and leverage opportunities.

Detailed competitive analysis of key players driving the market.

Contents

CHAPTER 1. GLOBAL CANNABIS VERTICAL FARMING MARKET EXECUTIVE SUMMARY

- 1.1. Global Cannabis Vertical Farming Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Growth Mechanism (Hydroponics, Aeroponics, Aquaponics)
 - 1.3.2. By Structure (Building-based, Shipping container-based)
 - 1.3.3. By Crop Type
 - 1.3.4. By Offering (Hardware, Software, Services)
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL CANNABIS VERTICAL FARMING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL CANNABIS VERTICAL FARMING MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Rising Global Demand for Medicinal and Recreational Cannabis
- 3.1.2. Technological Advancements in Vertical Farming and Smart Agriculture
- 3.1.3. Sustainability and Resource Efficiency Benefits

3.2. Market Challenges

- 3.2.1. High Initial Capital Investment and Operational Costs
- 3.2.2. Complex Regulatory and Compliance Barriers

3.3. Market Opportunities

- 3.3.1. Expanding Global Legalization and Policy Reforms
- 3.3.2. Integration of IoT, AI, and Blockchain in Farming Systems
- 3.3.3. Increasing Investment in Research & Development for Sustainable Cultivation

CHAPTER 4. GLOBAL CANNABIS VERTICAL FARMING 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. GLOBAL CANNABIS VERTICAL FARMING MARKET SIZE &

FORECASTS BY GROWTH MECHANISM 2022-2032

5.1. Segment Dashboard

5.2. Global Cannabis Vertical Farming Market: Growth Mechanism Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

5.2.1. Hydroponics

5.2.2. Aeroponics

5.2.3. Aquaponics

CHAPTER 6. GLOBAL CANNABIS VERTICAL FARMING MARKET SIZE & FORECASTS BY STRUCTURE 2022-2032

6.1. Segment Dashboard

6.2. Global Cannabis Vertical Farming Market: Structure Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

6.2.1. Building-based

6.2.2. Shipping container-based

CHAPTER 7. GLOBAL CANNABIS VERTICAL FARMING MARKET SIZE & FORECASTS BY CROP TYPE 2022-2032

7.1. Segment Dashboard

7.2. Global Cannabis Vertical Farming Market: Crop Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

CHAPTER 8. GLOBAL CANNABIS VERTICAL FARMING MARKET SIZE & FORECASTS BY OFFERING 2022-2032

8.1. Segment Dashboard

8.2. Global Cannabis Vertical Farming Market: Offering Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

8.2.1. Hardware

8.2.2. Software

8.2.3. Services

CHAPTER 9. GLOBAL CANNABIS VERTICAL FARMING MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1. North America Cannabis Vertical Farming Market

- 9.1.1. U.S. Cannabis Vertical Farming Market
 - 9.1.1.1. Segment Breakdown (Growth Mechanism, Structure, Crop Type, Offering) – Forecasts, 2022-2032
- 9.1.2. Canada Cannabis Vertical Farming Market
- 9.2. Europe Cannabis Vertical Farming Market
 - 9.2.1. U.K. Cannabis Vertical Farming Market
 - 9.2.2. Germany Cannabis Vertical Farming Market
 - 9.2.3. France Cannabis Vertical Farming Market
 - 9.2.4. Spain Cannabis Vertical Farming Market
 - 9.2.5. Italy Cannabis Vertical Farming Market
 - 9.2.6. Rest of Europe Cannabis Vertical Farming Market
- 9.3. Asia-Pacific Cannabis Vertical Farming Market
 - 9.3.1. China Cannabis Vertical Farming Market
 - 9.3.2. India Cannabis Vertical Farming Market
 - 9.3.3. Japan Cannabis Vertical Farming Market
 - 9.3.4. Australia Cannabis Vertical Farming Market
 - 9.3.5. South Korea Cannabis Vertical Farming Market
 - 9.3.6. Rest of Asia-Pacific Cannabis Vertical Farming Market
- 9.4. Latin America Cannabis Vertical Farming Market
 - 9.4.1. Brazil Cannabis Vertical Farming Market
 - 9.4.2. Mexico Cannabis Vertical Farming Market
 - 9.4.3. Rest of Latin America Cannabis Vertical Farming Market
- 9.5. Middle East & Africa Cannabis Vertical Farming Market
 - 9.5.1. Saudi Arabia Cannabis Vertical Farming Market
 - 9.5.2. South Africa Cannabis Vertical Farming Market
 - 9.5.3. Rest of Middle East & Africa Cannabis Vertical Farming Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. [Company Name]
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)

- 10.3.1.4. Product Summary
- 10.3.1.5. Market Strategies
- 10.3.2. Company
- 10.3.3. Company
- 10.3.4. Company
- 10.3.5. Company
- 10.3.6. Company
- 10.3.7. Company
- 10.3.8. Company

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Cannabis Vertical Farming Market, Report Scope

TABLE 2. Global Cannabis Vertical Farming Market Estimates & Forecasts by Region
2022-2032 (USD Million/Billion)

TABLE 3. Global Cannabis Vertical Farming Market Estimates & Forecasts by Growth
Mechanism 2022-2032 (USD Million/Billion)

TABLE 4. Global Cannabis Vertical Farming Market Estimates & Forecasts by Structure
2022-2032 (USD Million/Billion)

TABLE 5. Global Cannabis Vertical Farming Market Estimates & Forecasts by Crop
Type 2022-2032 (USD Million/Billion)

TABLE 6. Global Cannabis Vertical Farming Market Estimates & Forecasts by Offering
2022-2032 (USD Million/Billion)

TABLE 7. North America Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 8. Europe Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 9. Asia-Pacific Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 10. Latin America Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 11. Middle East & Africa Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

List Of Figures

LIST OF FIGURES

- FIG 1. Global Cannabis Vertical Farming Market, Research Methodology
- FIG 2. Global Cannabis Vertical Farming Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods
- FIG 4. Global Cannabis Vertical Farming Market, Key Trends 2023
- FIG 5. Global Cannabis Vertical Farming Market, Growth Prospects 2022-2032
- FIG 6. Global Cannabis Vertical Farming Market, Porter's 5 Force Model
- FIG 7. Global Cannabis Vertical Farming Market, PESTEL Analysis
- FIG 8. Global Cannabis Vertical Farming Market, Value Chain Analysis
- FIG 9. Global Cannabis Vertical Farming Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 10. North America Market, Segment Analysis 2022 & 2032 (USD Million/Billion)
- FIG 11. Europe Market, Segment Analysis 2022 & 2032 (USD Million/Billion)
- FIG 12. Asia-Pacific Market, Segment Analysis 2022 & 2032 (USD Million/Billion)
- FIG 13. Latin America Market, Segment Analysis 2022 & 2032 (USD Million/Billion)
- FIG 14. Middle East & Africa Market, Segment Analysis 2022 & 2032 (USD Million/Billion)
- FIG 15. Global Cannabis Vertical Farming Market, Company Market Share Analysis (2023)

Note: This list is not exhaustive. The final report will include more than 100 tables and over 50 figures. The above lists may be updated in the final deliverable.

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