

# Logistics Automation Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

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## Abstracts

The Global Logistics Automation Market was valued at USD 54.7 billion in 2023 and is projected to expand at a compound annual growth rate (CAGR) of 12.3% from 2024 to 2032. This significant growth is primarily fueled by the increasing integration of big data analytics in logistics automation technologies. Companies are harnessing big data to gather and analyze vast amounts of information from diverse sources, which greatly enhances their decision-making capabilities. Additionally, the adoption of Internet of Things (IoT) platforms in logistics and supply chain management is a major driver of market growth. IoT devices facilitate real-time tracking and monitoring of inventory, shipments, and equipment, significantly improving visibility across the supply chain. This interconnectedness allows organizations to make informed, data-driven decisions, optimize routes, and manage resources efficiently. Furthermore, IoT-enabled sensors can predict maintenance needs, reducing downtime and boosting overall operational efficiency. The logistics automation market is segmented by components into hardware, software, and services. In 2023, the hardware segment dominated the market, accounting for over 55% of the total share, and is expected to surpass USD 85 billion by 2032. This segment's prominence is attributed to essential components such as automated storage and retrieval systems (AS/RS), conveyor systems, and robotics, which are critical for efficient material handling and storage operations. The market is also categorized based on organization size into large and small and medium-sized enterprises (SME). In 2023, large enterprises held around 64% of the market share. Their substantial financial resources allow them to invest in advanced automation technologies, including robotics and warehouse management systems. Additionally, large enterprises often have complex supply chains where automation can significantly enhance efficiency, accuracy, and scalability, thus making it essential for maintaining competitiveness.

Regionally, North America accounted for over 30% of the market share in 2023 and is expected to exceed USD 50 billion by 2032, with the U.S. leading this growth, projected to surpass USD 45 billion by the same year. The U.S. logistics automation market is benefiting from the rapid growth of e-commerce and a pressing demand for operational efficiency. Key sectors such as retail, manufacturing, and healthcare are increasingly adopting automation technologies, including robotics and AI-driven solutions, to streamline their operations and reduce costs. Significant investments in technology and infrastructure are driving innovation within the market. Moreover, the emphasis on supply chain resilience, particularly during the pandemic, encourages organizations to enhance their logistics capabilities through automation, positioning the U.S. as a frontrunner in the global logistics automation landscape.

## Contents

### Report Content

#### **CHAPTER 1 METHODOLOGY & SCOPE**

- 1.1 Research design
  - 1.1.1 Research approach
  - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
  - 1.2.1 Base year calculation
  - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
  - 1.4.1 Primary sources
  - 1.4.2 Data mining sources
- 1.5 Market definitions

#### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Industry 360° synopsis, 2021 - 2032

#### **CHAPTER 3 INDUSTRY INSIGHTS**

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
  - 3.2.1 Technology providers
  - 3.2.2 System integrators
  - 3.2.3 Software developers
  - 3.2.4 Component suppliers
  - 3.2.5 Consulting firms
- 3.3 Profit margin analysis
- 3.4 Pricing analysis in logistics automation
- 3.5 Technology & innovation landscape
- 3.6 Key news & initiatives
- 3.7 Regulatory landscape
- 3.8 Impact forces
  - 3.8.1 Growth drivers
    - 3.8.1.1 Increased adoption by the e-commerce platforms

- 3.8.1.2 Rising adoption of big data in automated logistics technologies
- 3.8.1.3 Increasing use of IoT platform in logistics and supply chain management
- 3.8.1.4 The high penetration of robotics in warehouse management
- 3.8.1.5 Reduced cost due to decreasing need for manpower
- 3.8.2 Industry pitfalls & challenges
  - 3.8.2.1 Requirement of high capital investment
  - 3.8.2.2 Data privacy concerns
- 3.9 Growth potential analysis
- 3.10 Porter's analysis
- 3.11 PESTEL analysis

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2023**

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

## **CHAPTER 5 MARKET ESTIMATES & FORECAST, BY COMPONENT, 2021 - 2032 (\$BN)**

- 5.1 Key trends
- 5.2 Hardware
  - 5.2.1 Automated Storage and Retrieval System (AS/RS)
  - 5.2.2 Conveyor system
  - 5.2.3 Automated Guided Vehicles (AG)
  - 5.2.4 Robotics
  - 5.2.5 Others
- 5.3 Software
  - 5.3.1 Warehouse Management System (WMS)
  - 5.3.2 Transportation Management System (TMS)
- 5.4 Services
  - 5.4.1 Consulting
  - 5.4.2 Maintenance and support

## **CHAPTER 6 MARKET ESTIMATES & FORECAST, BY ORGANIZATION SIZE, 2021 - 2032 (\$BN)**

- 6.1 Key trends

6.2 Large enterprises

6.3 SME

## **CHAPTER 7 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2032 (\$BN)**

7.1 Key trends

7.2 Warehouse and storage management

7.3 Transportation management

## **CHAPTER 8 MARKET ESTIMATES & FORECAST, BY LOGISTICS, 2021 - 2032 (\$BN)**

8.1 Key trends

8.2 Sales logistics

8.3 Production logistics

8.4 Recovery logistics

8.5 Procurement logistics

## **CHAPTER 9 MARKET ESTIMATES & FORECAST, BY END USE, 2021 - 2032 (\$BN)**

9.1 Key trends

9.2 Manufacturing

9.3 Healthcare and pharmaceuticals

9.4 Fast-moving consumer goods

9.5 Retail and e-commerce

9.6 Automotive

9.7 Others

## **CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2032 (\$BN)**

10.1 Key trends

10.2 North America

10.2.1 U.S.

10.2.2 Canada

10.3 Europe

10.3.1 UK

10.3.2 Germany

10.3.3 France

- 10.3.4 Spain
- 10.3.5 Italy
- 10.3.6 Russia
- 10.3.7 Nordics
- 10.4 Asia Pacific
  - 10.4.1 China
  - 10.4.2 India
  - 10.4.3 Japan
  - 10.4.4 South Korea
  - 10.4.5 ANZ
  - 10.4.6 Southeast Asia
- 10.5 Latin America
  - 10.5.1 Brazil
  - 10.5.2 Mexico
  - 10.5.3 Argentina
- 10.6 MEA
  - 10.6.1 UAE
  - 10.6.2 South Africa
  - 10.6.3 Saudi Arabia

## **CHAPTER 11 COMPANY PROFILES**

- 11.1 Beumer Group
- 11.2 Blue Yonder
- 11.3 Daifuku
- 11.4 Dematic
- 11.5 GreyOrange
- 11.6 Honeywell International Inc.
- 11.7 IBM
- 11.8 JR Automation
- 11.9 Knapp AG
- 11.10 Locus Robotics
- 11.11 Murata Machinery Ltd.
- 11.12 Oracle
- 11.13 SAP
- 11.14 Seegrid Corporation
- 11.15 SSI Schaefer
- 11.16 Swisslog Holding AG (Kuka Group)
- 11.17 System Logistics

11.18 TGW Logistics Group  
11.19 Toyota Material Handling  
11.20 Zebra Technologies

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