

Logistics Automation Market Size, Share, Trends and Forecast by Component, Function, Enterprise Size, Industry Vertical, and Region, 2025-2033

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Report description:

The global logistics automation market size was valued at USD 82.1 Billion in 2024. Looking forward, IMARC Group estimates the market to reach USD 221.8 Billion by 2033, exhibiting a CAGR of 10.75% from 2025-2033. Europe currently dominates the market, holding a market share of over 38.5% in 2024. The growth of the European region is driven by sophisticated logistics systems, rising e-commerce engagement, and the swift embrace of automation technologies.

Logistics automation relies on the utilization of computer software or automated machinery to improve the efficiency of logistics operations. It assists in minimizing manual data entry errors and improving customer services by using features like auto pick-up, real-time freight tracking, proper insurance, and automatic notifications. It also aids in reducing the workforce required for processing tasks like sorting, weighting, barcoding, counting, picking, and packing. Moreover, as it is scalable, speedy, and accurate, its demand is rising across the globe.

Logistics Automation Market Trends:

Presently, e-commerce platforms worldwide are gaining immense popularity on account of the increasing sales of smartphones and the rising penetration of high-speed internet connections. This represents one of the key factors driving the market. Apart from this, there is a significant rise in the number of warehouses and a consequent increase in investments for warehouse automation. This can be accredited to the surging need for efficient warehousing and inventory management and reducing the cost of labor, which is contributing to market growth. Furthermore, leading market players are introducing warehouse robots to eliminate the need for manual involvement in a variety of activities, such as warehousing and material handling, by automating laborious and dangerous tasks and ensuring the safety of the workforce. They are also automating logistics with advanced technologies, such as global positioning systems (GPS), artificial intelligence (AI), biometrics, and real-time tracking for streamlining businesses. Other major factors, including the development of autonomous heavy-duty freight vehicles and flying drones for performing numerous intralogistics processes within the warehouse and storage facilities and their expanding applications in retail, automotive, and food and beverage (F&B) industries, are anticipated to strengthen the market growth.

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Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global logistics automation market, along with forecast at the global, regional, and country levels from 2025-2033. The market has been categorized based on component, function, enterprise size and industry vertical.

Breakup by Component:

- Hardware
 - Mobile Robots (AGV, AMR)
 - Automated Storage and Retrieval Systems (AS/RS)
 - Automated Sorting Systems
 - De-palletizing/Palletizing Systems
 - Conveyor Systems
 - Automatic Identification and Data Collection (AIDC)
 - Order Picking
- Software
 - Warehouse Management Systems (WMS)
 - Warehouse Execution Systems (WES)
- Services
 - Value Added Services
 - Maintenance

Breakup by Function:

- Warehouse and Storage Management
- Transportation Management

Breakup by Enterprise Size:

- Small and Medium-sized Enterprises
- Large Enterprises

Breakup by Industry Vertical:

- Manufacturing
- Healthcare and Pharmaceuticals
- Fast-Moving Consumer Goods (FMCG)
- Retail and E-Commerce
- 3PL
- Aerospace and Defense
- Oil, Gas and Energy
- Chemicals
- Others

Breakup by Region:

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- North America
- United States
- Canada
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
- Europe
- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others
- Latin America
- Brazil
- Mexico
- Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., Beumer Group GmbH & Co. KG, Daifuku Co. Ltd., Dematic (Kion Group AG), Honeywell International Inc., Jungheinrich AG, Kardex Group, Knapp AG, Mecalux S.A., Murata Machinery Ltd., Oracle Corporation, SAP SE and Swisslog Holding AG (KUKA AG).

Key Questions Answered in This Report

1. What is logistics automation?
2. How big is the logistics automation market?
3. What is the expected growth rate of the global logistics automation market during 2025-2033?
4. What are the key factors driving the global logistics automation market?
5. What is the leading segment of the global logistics automation market based on component?
6. What is the leading segment of the global logistics automation market based on function?
7. What is the leading segment of the global logistics automation market based on enterprise size?
8. What is the leading segment of the global logistics automation market based on industry vertical?
9. What are the key regions in the global logistics automation market?
10. Who are the key players/companies in the global logistics automation market?

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