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Global Automotive Plant In-Plant Logistics Automation Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Plant In-Plant Logistics Automation market size was valued at US$ 4660 million in 2025 and is forecast to a readjusted size of US$ 7033 million by 2032 with a CAGR of 6.0% during review period.

intelligent system developers (WMS, LES systems), and basic material suppliers (sensors, electronic tags); the midstream consists of logistics automation system integrators, responsible for equipment selection, system design, and integration debugging; the downstream is automotive manufacturers, who improve production efficiency, reduce inventory costs, and ensure supply chain stability through automated logistics systems. This field is deeply integrated with automotive manufacturing processes and is a core supporting link in intelligent manufacturing. The industry's gross profit margin is approximately 20%-40%.

The main market drivers include the following:

Intensified competition in the automotive industry makes cost reduction and efficiency improvement core demands.

The automotive industry is undergoing profound changes, with market competition shifting from single-product competition to efficiency competition across the entire industry chain. Traditional in-plant logistics relies on manual operations, resulting in pain points such as large efficiency fluctuations, high labor costs, and high management complexity, making it difficult to meet the requirements of modern automotive manufacturing for 'lean production' and 'zero inventory.' For example, manual handling

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can easily lead to parts mismatch, inventory backlog, or production line shutdowns. Automated logistics systems, through intelligent scheduling, precise delivery, and real-time monitoring, can significantly shorten production cycles, reduce inventory costs, and reduce quality risks caused by human error. To improve market responsiveness and control overall costs, companies urgently need to introduce automated logistics technologies and build efficient and flexible supply chain systems to gain an advantage in fierce competition.

Intelligent manufacturing upgrades drive the intelligent transformation of in-plant logistics.

With the advancement of Industry 4.0 and intelligent manufacturing strategies, automotive manufacturing is evolving towards digitalization, networking, and intelligence. As the 'blood vessels' connecting all aspects of production, the level of automation in in-plant logistics directly affects overall production efficiency. Traditional logistics models struggle to seamlessly integrate with intelligent production lines and digital management systems. Automated logistics systems (such as AGVs, intelligent warehousing, and robotic sorting) enable real-time data collection, process transparency, and intelligent decision-making, supporting dynamic adjustments to production plans, optimized resource allocation, and rapid response to anomalies. For example, by connecting equipment and systems through IoT technology, logistics routes can be automatically planned, and inventory status can be monitored in real time, thereby improving production flexibility and resource utilization. To match the overall architecture of intelligent manufacturing, enterprises must promote the automation upgrade of in-plant logistics to achieve collaborative optimization across the entire value chain.

Rising labor costs and labor shortages are forcing technological substitution. The automotive manufacturing industry is labor-intensive, and in-plant logistics (such as handling, sorting, and warehousing) has long relied heavily on manpower. However, in recent years, labor costs have continued to rise, and the younger generation's willingness to engage in repetitive, high-intensity work has decreased, leading to increasingly prominent problems of recruitment difficulties and high labor costs. Furthermore, manual operations suffer from efficiency bottlenecks (such as handling speed and 24-hour continuous operation capability) and safety risks (such as heavy object handling and fatigue work), further limiting the release of production potential. Automated logistics systems can replace repetitive manual labor, enabling efficient 24/7 operation through robots, unmanned vehicles, and other equipment, while reducing workplace accidents and improving operational safety. To alleviate labor pressures,

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control long-term operating costs, and build sustainable employment models, enterprises are using automated logistics as a key solution, accelerating the process of technological substitution.

This report is a detailed and comprehensive analysis for global Automotive Plant In-Plant Logistics Automation market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive Plant In-Plant Logistics Automation market size and forecasts, in consumption value ($ Million), 2021-2032

Global Automotive Plant In-Plant Logistics Automation market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Automotive Plant In-Plant Logistics Automation market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Automotive Plant In-Plant Logistics Automation market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Plant In-Plant Logistics Automation

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Plant In-Plant Logistics

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Automation market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Daifuku Co., Ltd., SSI Schaefer, DEMATIC, Honeywell Intelligrated, Okamura, Murata Machinery, Ltd., VanderLande Industries, Knapp AG, Swisslog (KUKA), Tianqi Automation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Automotive Plant In-Plant Logistics Automation market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Automated Warehouse Systems

Automated Handling and Conveying Systems

Automated Sorting and Picking Systems

Electrical Control and Information Management Systems

Market segment by Technology

Intelligent Identification and Data Acquisition Technology

Electrical Control and Information Management Technology

Automated Conveying Technology

Others

Market segment by Product Function

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Raw Material Logistics Systems

Auxiliary Material Logistics Systems

Finished Product Logistics Systems

Market segment by Application

Automotive Parts Manufacturing Plant

Automotive Manufacturing Plant

Other

Market segment by players, this report covers

Daifuku Co., Ltd.

SSI Schaefer

DEMATIC

Honeywell Intelligrated

Okamura

Murata Machinery, Ltd.

VanderLande Industries

Knapp AG

Swisslog (KUKA)

Tianqi Automation

Siemens

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Siasun Robot

Shenzhen Jintian International

Hubei Huachangda Intelligent Equipment

Eisenmann SE

Shanxi Dongjie Intelligent

Shandong Lanjian

Chengde Tianbao Machinery Co., Ltd. (Tianbao Group)

Sanfeng Intelligent

AFT Group

Beijing Lifting and Transportation Machinery Design and Research Institute

Shanghai EOS

Taiyuan Gangyu

Beijing Gaoke Logistics Warehousing Equipment

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

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Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Automotive Plant In-Plant Logistics Automation product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automotive Plant In-Plant Logistics Automation, with revenue, gross margin, and global market share of Automotive Plant In-Plant Logistics Automation from 2021 to 2026.

Chapter 3, the Automotive Plant In-Plant Logistics Automation competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Automotive Plant In-Plant Logistics Automation market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automotive Plant In-Plant Logistics Automation.

Chapter 13, to describe Automotive Plant In-Plant Logistics Automation research findings and conclusion.

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3 MARKET COMPETITION, BY PLAYERS

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