

# **In-Plant Logistics Market by Product (Robots, ASRS, Conveyors & Sortation Systems, Cranes, AGVs, WMS, RTLS), Location (Receiving & Delivery Docks, Assembly/Production Lines, Storage Facilities, Packaging Workstations), Industry - Global Forecast to 2028**

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## **Abstracts**

The in-plant logistics market is estimated to be worth USD 12.3 billion in 2023 and is projected to reach USD 19.5 billion by 2028 at a CAGR of 9.7% during the forecast period. The escalating demand for in-plant logistics solutions is pervasive across various industries, including manufacturing, automotive, electronics, and more. Industries are recognizing the need for streamlined material flow, efficient inventory management, and optimized production processes to enhance operational efficiency and reduce costs. Simultaneously, advancements in automation and technology play a pivotal role in shaping the market landscape. The integration of automated guided vehicles (AGVs), robotics, real-time tracking systems, and sophisticated material handling equipment is transforming in-plant logistics, providing unprecedented levels of precision, flexibility, and scalability. This synergy between industry demand and technological innovation positions in-plant logistics as a critical component for businesses striving to stay competitive in the dynamic landscape of modern manufacturing and supply chain management.

“Conveyors & Sortation Systems to hold the second largest share of in-plant logistics market in 2022.”

Conveyor and sortation systems offer a seamless and automated solution for transporting goods within manufacturing facilities, distribution centers, and warehouses.

The escalating demand for streamlined and high-speed material flow, coupled with the need for accurate sorting and order processing, has intensified the adoption of conveyor and sortation systems across various industries. The integration of advanced technologies, such as sensor-based sorting and real-time tracking, enhances operational visibility and precision, making these systems indispensable for optimizing in-plant logistics. As industries increasingly prioritize lean and agile supply chain operations, conveyor and sortation systems emerge as a cornerstone technology, playing a crucial role in enhancing productivity and overall efficiency within the in-plant logistics landscape.

“Metals & Heavy Machinery industry to hold the second largest share of in-plant logistics market in 2022.”

The Metals and heavy Machinery industry involves the production and movement of large and heavy components, necessitating specialized logistics solutions. The integration of advanced in-plant logistics technologies, such as overhead cranes, automated material handling systems, and real-time tracking, becomes imperative to ensure the smooth and safe flow of materials within manufacturing facilities. The emphasis on precision, safety, and optimized production processes aligns closely with the capabilities of in-plant logistics solutions, making them integral for enhancing overall operational efficiency in the Metals and heavy Machinery sector. As the industry continues to evolve and modernize, the demand for sophisticated in-plant logistics technologies is expected to grow, solidifying its prominent share in this dynamic market landscape.

“Europe to hold the second largest market share of in-plant logistics market in 2022.”

The European manufacturing landscape, spanning automotive, aerospace, pharmaceuticals, and other diverse sectors, places a premium on efficient in-plant logistics to optimize production processes. The region's commitment to sustainability and stringent quality standards further accentuates the need for precision and control in material handling. Additionally, Europe's proactive approach toward adopting advanced technologies, such as automation, robotics, and real-time tracking systems, positions it at the forefront of in-plant logistics innovation. As industries in Europe continue to prioritize operational efficiency and responsiveness to market demands, the in-plant logistics market is anticipated to thrive, making the region a key contributor to the overall growth and evolution of this dynamic industry segment.

The break-up of the profiles of primary participants:

By Company Type – Tier 1 – 45%, Tier 2 – 30%, and Tier 3 – 25%

By Designation – C-level Executives – 35%, Directors – 45%, and Others – 20%

By Region – North America - 30%, Europe – 25%, Asia Pacific – 35%, and Rest of the World – 10%

Major players in the in-plant logistics market are Daifuku Co., Ltd. (Japan), JBT (US), KION GROUP AG (Germany), KUKA AG (Germany), and Toyota Industries Corporation (Japan).

### Research Coverage

The report segments the in-plant logistics market by product, location, industry, and region. The report also comprehensively reviews drivers, restraints, opportunities, and challenges influencing market growth. The report also covers qualitative aspects in addition to the quantitative aspects of the market.

### Reasons to buy the report:

The report will help the market leaders/new entrants with information on the closest approximate revenues for the overall in-plant logistics market and related segments. This report will help stakeholders understand the competitive landscape and gain more insights to strengthen their position in the market and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, opportunities, and challenges.

### The report provides insights on the following pointers:

Analysis of key drivers (Rising demand for in-plant logistics solutions in various industries, Continuous advancements in automation and technology, and strong focus on lean manufacturing and sustainability initiatives are driving the market), restraints (High cost related to deployment and maintenance of In-plant logistics system, Inadequate technical expertise to manage system operations are hindering the growth of the market), opportunities (Integration of emerging technologies such as AI, Industry4.0, and IoT with In-plant logistics system, Substantial industrial growth in emerging economies), and challenges (Production and revenue losses attributed to unwanted equipment downtime,

Technical challenges related to sensing elements) influencing the growth of the in-plant logistics market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research and development activities, and new product launches in the in-plant logistics market.

**Market Development:** Comprehensive information about lucrative markets – the report analyses the in-plant logistics market across varied regions.

**Market Diversification:** Exhaustive information about new products, untapped geographies, recent developments, and investments in the in-plant logistics market.

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, and product offerings of leading players like Daifuku Co., Ltd. (Japan), JBT (US), KION GROUP AG (Germany), KUKA AG (Germany), and Toyota Industries Corporation (Japan).

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\*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)\* might not be captured in case of unlisted companies.

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