

Europe Automated Guided Vehicle Market Forecast to 2030 – Regional Analysis – by Technology (Wired Navigation, Guide Tape Navigation, Laser Target Navigation, Magnetic Navigation, and Others), Vehicle Type (Pallet Trucks, Unit Load Carriers, Driverless Trains, Forklift Trucks, and Others), and End User (General Manufacturing, Food and Beverage, Aerospace, Retail, Healthcare, Logistics, Automotive, and Others)

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Abstracts

The Europe automated guided vehicle market was valued at US\$ 1,325.42 million in 2022 and is expected to reach US\$ 3,245.80 million by 2030; it is estimated to grow at a CAGR of 11.8% from 2022 to 2030.

Incorporation of Industry 4.0 fuel the Europe Automated Guided Vehicle Market

Industry 4.0 is a new phase of the industrial revolution, which highly emphasizes automation, interconnectivity, real-time data, and machine learning. By combining Industry 4.0 with automation systems, traditional industrial facilities are gradually evolving into smart, connected, and highly efficient automated facilities. It forms a single automated unit that combines computers and industrial automation solutions with the help of robotics. A network of connected devices creates a smart architecture capable of making decentralized decisions. Increasing adoption of automated guided vehicles among Industry 4.0 companies is expected to improve warehouse safety, allow companies to achieve higher levels of lean manufacturing, and increase productivity and profitability while lowering long-term costs.

The overall adoption of Industry 4.0 is significantly low among companies and offers a potential opportunity for AGV players. Industry 4.0 also aims to create an operational environment wherein humans and robots can work together efficiently in warehouses. For instance, DHL Supply Chain, a contract logistics leader within Deutsche Post DHL Group, uses AGVs and robots in its warehouses for picking. The company collaborated with Robomotive, a Dutch industrial automation company, to develop a robot cell capable of depalletizing, picking, and order fulfillment functions.

Staubli Faverges SCA, a robotics and mechatronics supplying company, has been recognized for its magnificence and reliable strategies for over a century. Their robot improves productivity without reducing floor space, making it perfect for low-volume production. Thus, increasing manufacturing of automated guided vehicles incorporating Industry 4.0 is anticipated to provide remarkable growth opportunities for players operating in the market.

Europe Automated Guided Vehicle Market Overview

The Europe automated guided vehicles market is segmented into Germany, the UK, France, Italy, and Russia, and others. European industries are increasingly adopting automation technologies to improve efficiency, reduce operational costs, and enhance productivity. The adoption of AGVs in Europe has been increasing steadily over the years, as they can streamline material handling processes and optimize logistics operations. The adoption of AGVs in Europe has been increasing steadily over the years, especially in the manufacturing sector, due to their benefits in terms of increased productivity, reduced labor costs, and improved safety. They also help automate material handling processes, optimize production flows, and enhance manufacturing efficiency. Also, the presence of a huge automotive industry in economically strong countries such as the UK, Italy, and Russia and product innovations made by the players operating in the region are likely to fuel the market growth during the forecast period.

Europe Automated Guided Vehicle Market Revenue and Forecast to 2030 (US\$ Million)

Europe Automated Guided Vehicle Market Segmentation

The Europe automated guided vehicle market is segmented based on technology, vehicle type, end user, and country. Based on technology, the Europe automated guided vehicle market is segmented into wired navigation, guide tape navigation, laser

target navigation, magnetic navigation, and others. The laser target navigation segment held the largest market share in 2022.

Based on vehicle type, the Europe automated guided vehicle market is segmented into pallet trucks, tow vehicle, tugger trains, forklift trucks, and others. The tow vehicle segment held the largest market share in 2022.

Based on end user, the Europe automated guided vehicle market is segmented into general manufacturing, food and beverage, aerospace, retail, healthcare, logistics, automotive, and others. The logistics segment held the largest market share in 2022.

Based on country, the Europe automated guided vehicle market is segmented into Germany, the UK, Russia, Italy, France, Netherlands, Sweden, Belgium, and the Rest of Europe. Germany dominated the Europe automated guided vehicle market share in 2022.

Daifuku Co Ltd; Dematic Corp; Hyster-Yale Group Inc; John Bean Technologies Corp; Jungheinrich AG; Kion Group AG; Konecranes Plc; Murata Machinery Ltd; and Toyota Material Handling Inc are some of the leading players operating in the Europe automated guided vehicle market.

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