Europe Autonomous Mobile Robots Market Forecast 2025-2032

Market Report | 2025-05-22 | 184 pages | Inkwood Research

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Report description:

KEY FINDINGS
The Europe autonomous mobile robots market is anticipated to rise with a CAGR of 18.48% over the forecasting years of 2025 to 2032, reaching a revenue share of $5932.10 million by 2032.
The Europe autonomous mobile robots (AMRs) market is experiencing rapid expansion, driven by labor shortages, rising wages, and an accelerating shift toward warehouse automation and logistics optimization. Increasing pressure on supply chains, coupled with a surge in e-commerce activity, has spurred widespread adoption of AMRs across sectors such as manufacturing, retail, and healthcare.
MARKET INSIGHTS
Companies are leveraging Robotics-as-a-Service (RaaS) models to overcome high capital investment barriers and scale automation more flexibly. Meanwhile, continuous advancements in artificial intelligence, vision systems, and navigation software are making AMRs smarter and safer for deployment in dynamic, shared workspaces.
REGIONAL ANALYSIS
The Europe autonomous mobile robots market growth analysis comprises the assessment of the United Kingdom, Germany, France, Italy, Spain, Belgium, Poland, and Rest of Europe.
Germany holds the largest share of the European AMR market, anchored by its leadership in industrial automation and the implementation of Industry 4.0 practices. The country's manufacturing sector, particularly in automotive and heavy engineering, is actively integrating AMRs to optimize production lines and logistics.
On the other hand, France is projected to witness the highest growth rate in the region through 2030, fueled by national automation initiatives and increased demand for retail logistics automation. The French government's investment in smart factories and AI-driven robotics is propelling local innovation and adoption, especially in urban warehousing hubs.
In the United Kingdom, AMR adoption is expanding beyond traditional logistics into healthcare and services. NHS hospitals have begun implementing AMRs to automate routine tasks like medication delivery and specimen transport, enhancing operational efficiency amid ongoing staff shortages. Additionally, the UK's retail giants are deploying AMRs in micro-fulfillment centers to meet next-day delivery expectations.
Across the broader region-including countries like Italy, Spain, and the Netherlands-AMR adoption is being supported by EU digitalization grants and increasing cross-border logistics activity. Startups and major players alike are focusing on the development of collaborative mobile robots that integrate with warehouse management systems, enabling real-time

decision-making through AI and IoT connectivity.
Despite the growth trajectory, the market faces challenges, including high initial investment costs, the need for technical training, and concerns over safety in human-robot collaborative environments. However, the growing availability of RaaS options, improved user interfaces, and regulatory support are helping mitigate these barriers, paving the way for sustained adoption across Europe.
SEGMENTATION ANALYSIS
The Europe autonomous mobile robots market is segmented by component, robot type, application, and end-user. The robot type segment is further classified into goods-to-person picking robots, self-driving forklifts, autonomous inventory robots, and unmanned aerial vehicles.
Goods-to-person picking robots have become the most dominant sub-segment within the robot type category, revolutionizing warehouse operations by automating the picking process. These robots transport items directly to stationary human operators, drastically cutting down travel time within the facility and significantly improving order fulfillment speed and accuracy. Studies conducted across multiple warehouse environments have shown that implementing these systems can slash labor costs by 50% to 70% while boosting overall productivity by more than 300%.
This efficiency gain stems from the elimination of manual picking routes, reducing workers' walking distances by up to 90%. Solutions like inVia's tote-to-PickerWall exemplify this transformation, supporting continuous operations and effectively doubling the number of active picking lines.
Major players in e-commerce, such as Amazon, have embraced these technologies at scale, deploying hundreds of thousands of robots in their fulfillment centers. Their widespread adoption underscores the critical role goods-to-person picking robots play in enhancing scalability and meeting the growing demands of online retail.
COMPETITIVE INSIGHTS
Major companies operating in the Europe autonomous mobile robots market include Cimcorp Oy, Boston Dynamics, Clearpath Robotics, etc.
Headquartered in Finland, Cimcorp Oy is an automation and robotics company specializing in intralogistics automation and robotic solutions. The company delivers turnkey robotic systems and advanced software for optimizing material flows, primarily serving the tire manufacturing and grocery retail industries.
Cimcorp's solutions enhance operational efficiency, reduce delivery times, and support customers in improving profitability. As a member of Murata Machinery Ltd., Cimcorp leverages a global network to provide local support worldwide. It offers crate order picking, automated storage and retrieval systems, layer picking, and more. The company caters to retail, e-commerce, postal, car manufacturing, and other sectors.

Table of Contents:

LIST OF TABLES

LIST OF FIGURES

SCOTTS INTERNATIONAL

Europe Autonomous Mobile Robots Market Forecast 2025-2032

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