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Retail Automation Market by Product Type (Interactive Kiosk, Self-checkout System, Barcode, RFID, ESL, Cameras, AMR, COBOTS, AGV, ASRS, Conveyor & Sortation Systems), Implementation Type (In-house, Warehouse), End-user & Region - Global Forecast to 2029

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Abstracts

The global retail automation market is expected to be valued at USD 27.6 billion in 2024 and is projected to reach USD 44.3 billion by 2029; it is expected to grow at a CAGR of 9.9% from 2024 to 2029. Higher adoption of RFID technology in retail automation; minimized labor cost by embracing automation; rising demand for high-quality and fast service to consumers serve as a significant drivers for growth of the retail automation market.

“ESL by product type segment to account higher CAGR in retail automation market during the forecast period”

ESLs help improve pricing accuracy, enabling retailers to reduce pricing errors and increase overall operational efficiency. This is particularly crucial in regions with strict consumer protection regulations. Secondly, ESLs enhance the in-store experience by providing real-time pricing information, enabling customers to make informed purchasing decisions.

“In-store automation to account for higher CAGR in retail automation market during the forecast period”

In-store automation in retail automation refers to the use of technologies such as

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electronic shelf labels, self-checkout kiosks, and inventory management systems to streamline operations, enhance customer experience, and improve efficiency within physical retail spaces. This trend is gaining traction as retailers seek to meet the evolving needs of consumers and address challenges such as labor shortages.

“Europe region growing at second highest CAGR in retail automation market”

The growth of retail automation in Europe can be attributed to several factors. First, the increasing adoption of technology by retailers to streamline operations and improve the customer experience. Second, the growing demand for convenience and efficiency among consumers, driving the need for automated solutions such as self-checkout systems and contactless payment options.

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 38%, Tier 2 – 28%, and Tier 3 – 34%

By Designation: C-level Executives – 40%, Directors – 30%, and Others – 30%

By Region: North America – 35%, Europe – 20%, Asia Pacific – 35%, and RoW – 10%

The key players operating in the retail automation market are Honeywell International Inc. (US), NCR VOYIX Corporation. (US), Diebold Nixdorf, Incorporated. (US), Zebra Technologies Corp. (US) and Hangzhou Hikvision Digital Technology Co., Ltd. (China), among others.

Research Coverage:

The research reports the retail automation market has been segmented based on product type, implementation type, end user, and region. Based on product type, the market has been segmented into point-of-sale (PoS) systems, automated identification systems, electronic shelf labels (ESLs), cameras, robots, automated guided vehicles (AGV), conveyor & sortation systems, and automatic storage and retrieval systems (ASRS). By implementation type, the market has been segmented into in-store and warehouse. By End User the market has been divided into hypermarkets,

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supermarkets, non-food retail stores, specialty stores, and others. The market by Region has been segmented into North America, Europe, Asia Pacific, and RoW.

The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the retail automation market. A detailed analysis of the key industry players has been done to provide insights into their business overviews, products, key strategies, contracts, partnerships, and agreements. New product & and service launches, mergers and acquisitions, and recent developments associated with the retail automation market. Competitive analysis of upcoming startups in the retail automation market ecosystem is covered in this report.

Key Benefits of Buying the Report

Analysis of key drivers (Increasing adoption of integrated automated technology by e-commerce warehouses, Minimized labor costs by embracing automation, Rising demand for high-quality and fast service to consumers, Higher adoption of RFID technology in retail automation), restraints (Regular maintenance and support of automated equipment, Mitigating workforce displacement and meeting regulatory compliance), opportunities (Increased transparency in supply chain management by adopting retail automation, Enhanced retail experience for customers by leveraging automation technologies), and challenges (Increased transparency in supply chain management by adopting retail automation, Enhanced retail experience for customers by leveraging automation technologies) influencing the growth of the retail automation market.

Product Development/Innovation: Detailed insights on upcoming technologies, research and development activities, and new product launches in the retail automation market

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Market Development: Comprehensive information about lucrative markets – the report analyses the retail automation market across varied regions.

Market Diversification: Exhaustive information about new products/services, untapped geographies, recent developments, and investments in the retail automation market

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Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Honeywell International Inc. (US), NCR VOYIX Corporation. (US), Diebold Nixdorf, Incorporated. (US), Zebra Technologies Corp. (US), and Hangzhou Hikvision Digital Technology Co., Ltd. (China), among others in the retail automation market.

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*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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