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North America Industrial Automation Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Software), System (Supervisory Control and Data Acquisition, Distributed Control System, Programmable Logic Control, and Other), and End User (Oil & Gas, Automotive, Food & Beverages, Chemical & Materials, Aerospace & Defense, and Others)

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Abstracts

The North America industrial automation market is expected to grow from US$ 44,180.8 million in 2022 to US$ 82,247.8 million by 2030. It is estimated to grow at a CAGR of 8.1% from 2022 to 2030.

Rising Uptake of Automation across Food & Beverage Industry Fuels North America Industrial Automation Market

Automation in the food & beverage industry refers to strategic integrations of technologies across various production processes, such as inspection, packaging, and storage. Over the years, food & beverage companies have optimized different production processes through the uptake of automated systems, such as delta robots, automated guided vehicles, and robotic arms, to be in line with various food safety & quality standards laid down by regulatory bodies and reduce overall labour cost across production sites.

Consumer packed food & beverages require high accuracy and repetitive packaging process, which becomes challenging for humans. This factor is influencing the uptake of robotic technologies for activities, such as primary and secondary packaging and palletizing.

Vision-guided robots are experiencing a rise in demand across the sector due to their

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efficiency in completing repetitive tasks, such as bottle handling, bin picking, and tray loading. Numerous benefits, including enhanced traceability, improved efficiency, and high flexibility, have been driving the need for automation in the food & beverage industry over the years. These factors have encouraged food & beverage producers to invest heavily in automated technology integration across their production facilities. For instance, a US-based snack brand, Utz Brands Inc., announced its plans to integrate automated capabilities across its production plants to reduce its overall operational cost in 2021. Similarly, Hormel Foods is also planning to incorporate automation across its production facilities in 2022. Other food & beverage brands rapidly adopting automated technology include Tyson Foods and Cargill, Inc. Thus, the rise in investment in automation across the food & beverage industry is fueling the growth of the North America industrial automation market.

North America Industrial Automation Market Overview

North America is the most technologically advanced region across the globe due to the presence of a well-established technology ecosystem, the high acceptance rate of advanced technologies, favorable economic policies, and high gross domestic product (GDP) of the US, Canada, and other countries.

Technological advancements are increasing the competitiveness among the markets in North America. Hence, the region is considered a hub for manufacturing high-quality industrial and consumer products. To fulfill the increasing customer demand for high-quality products as well as services, companies are continuously focusing on innovation and automation. A few manufacturers in the region are highly focused on using automation and other advanced technologies to improve production quality and optimize the overall manufacturing process.

Automotive, food & beverages, chemicals & materials, and aviation are among the key end-use industries that involve automation in their operations. Automation provides consistency and helps in protecting the brand's reputation as they make the production convenient and effortless. Also, automation improves the quality through systematic product management and decreases the risk of food and beverage recalls. The food industry in the US is valued at over US$ 500 billion, which includes the processing of food from raw materials to finished products. In the US, many food and beverage processing companies, such as Tyson Foods and Hormel Foods, are increasingly adopting automated technologies.

In Canada, automatic control or automation in logistics refers to the use of control systems, software, and machinery to improve the efficiency of operations. Various errors can be detected in manual data entry, which can lead to increased shipping costs. Automation helps in reducing such errors. With the rise in automation, the logistics & supply chain technology (LSCT) sector in the country is likely to witness lucrative growth in the coming years. This will fuel the North America industrial

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automation market growth.

North America Industrial Automation Market Revenue and Forecast to 2030 (US$ Billion)

North America Industrial Automation Market Segmentation

The North America industrial automation market is segmented into component, system, end user, and country.

Based on component, the North America industrial automation market is segmented into hardware and software. The hardware segment held a larger share of the North America industrial automation market in 2022. The hardware is further sub segmented into motors and drives, robots, sensors, machine vision systems, and others.

Based on system, the North America industrial automation market is segmented into supervisory control and data acquisition, distributed control system, programmable logic control, and other. The distributed control system segment held the largest share of the North America industrial automation market in 2022.

Based on end user, the North America industrial automation market is segmented into oil & gas, automotive, food & beverage, chemical & materials, aerospace & defense, and others. The automotive segment held the largest share of the North America industrial automation market in 2022.

Based on country, the North America industrial automation market is segmented int o the US, Canada, and Mexico. The US dominated the North America industrial automation market in 2022.

ABB Ltd, Bosch Rexroth AG, Emerson Electric Co, Hitachi Ltd, Honeywell International Inc, Mitsubishi Electric Corp, OMRON Corp, Rockwell Automation Inc, Schneider Electric SE, Siemens AG are some of the leading companies operating in the North America industrial automation market.

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