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Global Food Automation Market Size Study, By Application (Processing, Packaging, Sorting, Palletizing), By End-User Industry (Bakery, Dairy, Meat, Fruits & Vegetables), and Regional Forecasts 2022-2032

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Abstracts

The global Food Automation Market was valued at USD 12.02 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 6.47% from 2024 to 2032, reaching a market value of USD 19.85 billion by 2032. Food automation refers to the use of advanced technologies such as robotics, sensors, and control systems to streamline food processing, packaging, sorting, and distribution processes. This technology significantly enhances operational efficiency, improves product quality, and ensures food safety by automating repetitive tasks and minimizing human errors. Key applications of food automation include sorting, grading, packaging, palletizing, depalletizing, and inspection of food products, as well as temperature control, cooking, and inventory tracking across the supply chain.

The rising demand for processed and packaged foods is a major driver of the food automation market, as consumers increasingly opt for convenient, ready-to-eat products. In response, food manufacturers are adopting automation solutions to increase production efficiency, reduce labor costs, and ensure consistency. Labor shortages and rising wages have further spurred the adoption of automation, helping companies mitigate operational risks and comply with strict food safety and quality regulations. Additionally, the integration of the Internet of Things (IoT) and Artificial Intelligence (AI) within food automation systems presents opportunities for real-time monitoring, predictive maintenance, and data-driven decision-making, which enhances overall productivity and reduces operational downtime.

Although the food automation market is poised for robust growth, it faces challenges such as the high initial investment and maintenance costs associated with advanced

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automation systems. Small and medium-sized enterprises (SMEs) often struggle to adopt automation due to financial constraints, especially in developing regions. Moreover, the need for skilled personnel to operate and maintain these systems adds to the cost burden, further complicating the adoption process for many companies.

Regionally, North America dominated the market in 2023, driven by rising labor costs, strict food safety standards, and the growing need to increase food processing efficiency. Asia-Pacific, on the other hand, is expected to exhibit the fastest growth rate over the forecast period, owing to rapid industrialization, urbanization, and the increasing demand for processed and packaged foods in emerging economies like China and India.

Major market players included in this report are:

Rockwell Automation, Inc.
ABB Ltd
Siemens AG
Mitsubishi Electric Corporation
Schneider Electric SE
Yokogawa Electric Corporation
GEA Group
Fortive Corporation
Yaskawa Electric Corporation
Rexnord Corporation

The detailed segments and sub-segments of the market are explained below:

By Application

• Processing
• Packaging
• Sorting and Grading
• Palletizing and Depalletizing

By End-User Industry

• Bakery and Confectionery
• Dairy and Beverages
• Meat, Poultry, and Seafood
• Fruits and Vegetables

By Region:

• North America
• U.S.
• Canada
• Europe
• UK

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• Germany
• France
• Spain
• Italy
• ROE
• Asia Pacific
• China
• India
• Japan
• Australia
• South Korea
• RoAPAC
• Latin America
• Brazil
• Mexico
• RoLA
• Middle East & Africa
• Saudi Arabia
• South Africa
• RoMEA

Years considered for the study are as follows:

• Historical year – 2022
• Base year – 2023
• Forecast period – 2024 to 2032

Key Takeaways:

• Market Estimates & Forecast for 10 years from 2022 to 2032.
• Annualized revenues and regional level analysis for each market segment.
• Detailed analysis of geographical landscape with Country level analysis of major regions.
• Competitive landscape with information on major players in the market.
• Analysis of key business strategies and recommendations on future market approach.
• Analysis of competitive structure of the market.
• Demand side and supply side analysis of the market.

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