

# Industrial Automation Market Valued at \$443.5 Billion by 2031 Amid 8.7% CAGR Growth

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WILMINGTON, DE, UNITED STATES, November 6, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Industrial Automation Market](#) By Component (Hardware, Software, Service), By Hardware (Industrial Sensors, Machine Vision Systems, Field Instruments, Industrial Robots, Human machine Interface, Industrial PCs, Others), By Software Type (Supervisory Control And Data Acquisition, Programmable Logic Controller, Distributed Control System, Manufacturing Execution System, Industrial Safety, Plant Asset Management), By Industry Vertical (Oil and Gas, Manufacturing, Automotive, Healthcare, Food and Beverages, Chemicals, Energy and Power, Metal and Mining, Others): Global Opportunity Analysis and Industry Forecast, 2021–2031." According to the report, the global industrial automation industry generated \$196.4 billion in 2021, and is estimated to reach \$443.5 billion by 2031, witnessing a CAGR of 8.7% from 2022 to 2031.

## Drivers, Restraints, and Opportunities

Advent of connected enterprises, need for mass manufacturing of products, and rise in adoption of digital techniques and augmented reality (AR) technologies in manufacturing drive the growth of the global industrial automation market. However, high initial capital investments and re-investments along with lack of sufficient technical knowledge restrain the market growth. On the other hand, surge in demand for safety-compliant automation solutions and industrial internet of things (IoT) solutions presents new opportunities in the coming years.

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## Covid-19 Scenario

The Covid-19 pandemic impacted the global industrial automation industry negatively as the value chain was disrupted, which in turn, created challenges in shipments of components and tools utilized for creating automation machines and services for the industrial sector. The demand for industrial automation solution decreased considerably due to postponement or

cancellation of new projects. Owing to occurrence of economic uncertainty, many investors postponed their investments in new projects. This, in turn, affected the growth of the global industrial automation market.

Owing to lack of workforce availability and the implementation of new strategies to continue business operations, many players operating in the automotive, construction, manufacturing, and other sectors began implementation of automation solutions. This factor created a huge demand. The demand is expected to continue to rise post-pandemic.

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The software segment accounted for the largest market share in 2021

Based on component, the software segment accounted for the largest market share in 2021, contributing to more than two-fifths of the global industrial automation market. This is due to processing and analysis of massive amount of data generated by an organization and conversion to actionable insights that provides operational benefits and outcomes. However, the hardware segment is projected to lead in terms of revenue by 2031. On the other hand, the service segment is estimated to register the highest CAGR of 11.7% from 2022 to 2031, owing to reduction in time and costs associated with optimization of systems in the initial phase of deployment.

The industrial sensors segment to maintain its dominant share during the forecast period

Based on hardware, the industrial sensors segment contributed to the largest market share in 2021, accounting for more than one-fourth of the global industrial automation market, and is expected to maintain its dominant share during the forecast period. This is attributed to technological advancements such as development of internet of things (IoT) and artificial intelligence (AI). However, the industrial robots segment is estimated to manifest the highest CAGR of 11.9% from 2022 to 2031. This is due to rise in demand for automation and rapid growth in industrialization.

The manufacturing segment to continue its highest contribution throughout the forecast period

Based on industry vertical, the manufacturing segment accounted for the largest market share in 2021, holding nearly one-fifth of the global industrial automation industry, and is estimated to continue its highest contribution throughout the forecast period. This is due to carrying out a variety of tasks including painting, welding, finishing, and assembly. However, the healthcare segment is projected to register the fastest CAGR of 11.8% from 2022 to 2031, owing to application in collection and storage of the patient information such as heart rate, blood pressure and temperature.

North America held the highest market share in 2021

Based on region, North America held the highest market share in 2021, accounting for more than one-third of the global industrial automation market. This is due to high spending on data analytics and data processing solutions in the region. However, Asia-Pacific is projected to grow at the largest CAGR of 11.4% from 2022 to 2031, owing to rise in digital and economic transformation in the region.

### Leading Market Players

Emerson Electric Co.  
Rockwell Automation, Inc.  
Yocogawa Electric Corporation  
Omron Corporation  
Endress+Hauser Group Services AG  
Fanuc Corporation  
WIKA USA  
Dwyer Instruments, LLC  
Stratasys  
Mitsubishi Electric Corporation  
Honeywell International, Inc.  
ABB Ltd.  
Schneider Electric SE  
Siemens AG  
General Electric  
Adisra  
Fizyr

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We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in inspiring and encouraging everyone associated with the company to maintain high quality of data and help clients in every way possible to achieve success. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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David Correa

1209 Orange Street,

Corporation Trust Center,

Wilmington, New Castle,

Delaware 19801 USA.

Int'l: +1-503-894-6022

Toll Free: +1-800-792-5285

UK: +44-845-528-1300

India (Pune): +91-20-66346060

Fax: +1-800-792-5285

[help@alliedmarketresearch.com](mailto:help@alliedmarketresearch.com)

David Correa

Allied Market Research

+ + + + +1 800-792-5285

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