

# **Industrial Automation System Market Size, Share, and Outlook, 2025 Report- By Component (Relays & Switches, Sensors, Controllers, Motors & Drives, Machine Vision, Robotics, Others), By System (Fixed Automation, Programmable Automation, Integrated Automation, Flexible Automation), By Level (Superior Level, Control Level, Field Level), By Solution (Supervisory Control and Data Acquisition (SCADA), Programmable Logic Controller (PLC), Distributed Control System (DCS), Manufacturing Execution System (MES), Product Lifecycle Management (PLM), Functionality Safety, Plant Asset Management, Others), By End-User (Chemicals & Mining, Oil & Gas, Pharma & Biotech, Energy & Power, Automotive, Machine Manufacturing, Semiconductor and Electronics, Aerospace & Defense, Food and Beverage, Others), 2018-2032**

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## **Abstracts**

### **Industrial Automation System Market Outlook**

The Industrial Automation System Market size is expected to register a growth rate of 11.3% during the forecast period from \$149.07 Billion in 2025 to \$315.4 Billion in 2032.

The Industrial Automation System market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Industrial Automation System segments across 22 countries from 2021 to 2032. Key segments in the report include By Component (Relays & Switches, Sensors, Controllers, Motors & Drives, Machine Vision, Robotics, Others), By System (Fixed Automation, Programmable Automation, Integrated Automation, Flexible Automation), By Level (Superior Level, Control Level, Field Level), By Solution (Supervisory Control and Data Acquisition (SCADA), Programmable Logic Controller (PLC), Distributed Control System (DCS), Manufacturing Execution System (MES), Product Lifecycle Management (PLM), Functionality Safety, Plant Asset Management, Others), By End-User (Chemicals & Mining, Oil & Gas, Pharma & Biotech, Energy & Power, Automotive, Machine Manufacturing, Semiconductor and Electronics, Aerospace & Defense, Food and Beverage, Others). Over 70 tables and charts showcase findings from our latest survey report on Industrial Automation System markets.

## Industrial Automation System Market Insights, 2025

The Industrial Automation System Market is rapidly growing as manufacturers embrace AI-driven predictive automation, automation-enhanced robotic process control, and machine learning-powered smart factory solutions to enhance operational efficiency. Companies like Siemens, ABB, Rockwell Automation, and Honeywell are leading with real-time AI-powered process optimization, blockchain-backed secure industrial automation workflows, and IoT-enabled digital twin technologies. The adoption of automation-powered autonomous production lines, AI-enhanced real-time quality control systems, and cloud-native industrial automation software is transforming industrial operations. However, challenges related to cybersecurity threats in AI-driven automation systems, integration complexities with legacy machinery, and the high cost of implementing full-scale automation remain concerns. Additionally, government grants for smart factory development, tax incentives for AI-driven industrial automation investments, and policies supporting workforce retraining for automation adoption are influencing market trends.

## Five Trends that will define global Industrial Automation System market in 2025 and Beyond

A closer look at the multi-million market for Industrial Automation System identifies

rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Industrial Automation System companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Industrial Automation System vendors.

What are the biggest opportunities for growth in the Industrial Automation System industry?

The Industrial Automation System sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

### Industrial Automation System Market Segment Insights

The Industrial Automation System industry presents strong offers across categories. The analytical report offers forecasts of Industrial Automation System industry performance across segments and countries. Key segments in the industry include%li%By Component (Relays & Switches, Sensors, Controllers, Motors & Drives, Machine Vision, Robotics, Others), By System (Fixed Automation, Programmable Automation, Integrated Automation, Flexible Automation), By Level (Superior Level, Control Level, Field Level), By Solution (Supervisory Control and Data Acquisition (SCADA), Programmable Logic Controller (PLC), Distributed Control System (DCS), Manufacturing Execution System (MES), Product Lifecycle Management (PLM), Functionality Safety, Plant Asset Management, Others), By End-User (Chemicals & Mining, Oil & Gas, Pharma & Biotech, Energy & Power, Automotive, Machine Manufacturing, Semiconductor and Electronics, Aerospace & Defense, Food and Beverage, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Industrial Automation System market size outlook is provided for 22

countries across these regions.

## Market Value Chain

The chapter identifies potential companies and their operations across the global Industrial Automation System industry ecosystem. It assists decision-makers in evaluating global Industrial Automation System market fundamentals, market dynamics, and disruptive trends across the value chain segments.

## Scenario Analysis and Forecasts

Strategic decision-making in the Industrial Automation System industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

## Asia Pacific Industrial Automation System Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

## The State of Europe Industrial Automation System Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Industrial Automation System with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Industrial Automation System market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Industrial Automation System market Insights%li%Vendors are exploring new opportunities within the US Industrial Automation System industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Industrial Automation System companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Industrial Automation System market.

Latin American Industrial Automation System market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Industrial Automation System Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Industrial Automation System markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Industrial Automation System markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Industrial Automation System companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include ABB, Applied Material Inc, Beckhoff Automation, Emerson Electric Co., GE, Honeywell International Inc, Invensys Ltd, Miracom Inc, National Instruments, Omron Corp, Rockwell Automation Inc, Siemens, Toshiba Corp, Yokogawa Electric.

## Industrial Automation System Market Segmentation

### By Component

Relays & Switches

Sensors

Controllers

Motors & Drives

Machine Vision

Robotics

Others

### By System

Fixed Automation

Programmable Automation

Integrated Automation

Flexible Automation

By Level

Superior Level

Control Level

Field Level

By Solution

Supervisory Control and Data Acquisition (SCADA)

Programmable Logic Controller (PLC)

Distributed Control System (DCS)

Manufacturing Execution System (MES)

Product Lifecycle Management (PLM)

Functionality Safety

Plant Asset Management

Others

By End-User

Chemicals & Mining

Oil & Gas

Pharma & Biotech

Energy & Power

Automotive

Machine Manufacturing



Semiconductor and Electronics

Aerospace & Defense

Food and Beverage

Others

Leading Companies

ABB

Applied Material Inc

Beckhoff Automation

Emerson Electric Co.

GE

Honeywell International Inc

Invensys Ltd

Miracom Inc

National Instruments

Omron Corp

Rockwell Automation Inc

Siemens

Toshiba Corp

Yokogawa Electric



## Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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#### **By Solution**

##### **Supervisory Control and Data Acquisition (SCADA)**

##### **Programmable Logic Controller (PLC)**

##### **Distributed Control System (DCS)**

##### **Manufacturing Execution System (MES)**

**Product Lifecycle Management (PLM)**

**Functionality Safety**

**Plant Asset Management**

**Others**

**By End-User**

**Chemicals & Mining**

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**Beckhoff Automation**

**Emerson Electric Co.**

**GE**

**Honeywell International Inc**

**Invensys Ltd**

**Miracom Inc**

**National Instruments**

**Omron Corp**  
**Rockwell Automation Inc**  
**Siemens**  
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