

# Global Factory Automation and Machine Vision Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Factory Automation and Machine Vision market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Information and communication technology (ICT) have become vital part of social infrastructure. Hence, such system that permits society for better and efficient functioning is needed. The machine vision (MV) is a new concept that meets such expectations. This technology controls machine movement by processing visual information. Machine vision (MV) acts as a backbone for factory automation (FA) in any manufacturing industries. Moreover, machine vision (MV) has extended its advantage in several applications such as security, medicine, and agriculture. Machine vision (MV) automatically captures pictures & transfers files on computer. Captured pictures go through inspection. Small camera is fixed along with image sensor for capturing the image where vision software examines image and data are communicated to other peripheral devices.

The Global Info Research report includes an overview of the development of the Factory Automation and Machine Vision industry chain, the market status of Automotive (Information Technology System, Distributed Control Systems (DCS)), Power (Information Technology System, Distributed Control Systems (DCS)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Factory Automation and Machine Vision.

Regionally, the report analyzes the Factory Automation and Machine Vision markets in

key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Factory Automation and Machine Vision market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Factory Automation and Machine Vision market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Factory Automation and Machine Vision industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Information Technology System, Distributed Control Systems (DCS)).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Factory Automation and Machine Vision market.

**Regional Analysis:** The report involves examining the Factory Automation and Machine Vision market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Factory Automation and Machine Vision market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Factory Automation and Machine Vision:

**Company Analysis:** Report covers individual Factory Automation and Machine Vision players, suppliers, and other relevant industry players. This analysis includes studying

their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Factory Automation and Machine Vision. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Power).

**Technology Analysis:** Report covers specific technologies relevant to Factory Automation and Machine Vision. It assesses the current state, advancements, and potential future developments in Factory Automation and Machine Vision areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Factory Automation and Machine Vision market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Factory Automation and Machine Vision market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

## Market segment by Type

Information Technology System

Distributed Control Systems (DCS)

Supervisory Control and Data Acquisition (SCADA)

Enterprise Resource Planning (ERP)

Programmable Logic Control (PLC)

Manufacturing Execution System (MES)

## Market segment by Application

Automotive

Power

Pharmaceuticals

Food processing

Others

## Market segment by players, this report covers

Johnson Controls Inc

Siemens Ag

Emerson Electric Company

ABB LTD

Rockwell Automation Inc

Honeywell International Inc

Eastman Kodak

General Electric Company

Yokogawa Electric Corporation

Teledyne Dalsa Inc

Texas Instruments Inc

## Schneider Electric SA

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Factory Automation and Machine Vision product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Factory Automation and Machine Vision, with revenue, gross margin and global market share of Factory Automation and Machine Vision from 2019 to 2024.

Chapter 3, the Factory Automation and Machine Vision competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Factory Automation and Machine Vision market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces

analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Factory Automation and Machine Vision.

Chapter 13, to describe Factory Automation and Machine Vision research findings and conclusion.

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