

# Global Machine Vision Technology 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 Machine Vision Technology market size was valued at USD 1801.7 million in 2023 and is forecast to a readjusted size of USD 2580 million by 2030 with a CAGR of 5.3% during review period.

Machine vision is a technology that helps the computer to visualize the work environment. This technology is used to automatically inspect the images it captures and analyze them. It helps in robot guidance, process control, and automatic inspection in the industry.

This technology is rapidly replacing manual inspection and measurements with image processing and smart cameras. These smart cameras independently run and function without depending upon the computers. Furthermore, adoption of machine vision system in industrial and non-industrial sectors is expected to escalate the demand and growth of this market.

The Global Info Research report includes an overview of the development of the Machine Vision Technology industry chain, the market status of Industrial Applications (PC Based Machine Vision Technology, Embedded Machine Vision Technology), Non-Industrial Applications (PC Based Machine Vision Technology, Embedded Machine Vision Technology), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Machine Vision Technology.

Regionally, the report analyzes the Machine Vision Technology 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 Machine Vision Technology market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Machine Vision Technology 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 Machine Vision Technology 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., PC Based Machine Vision Technology, Embedded Machine Vision Technology).

**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 Machine Vision Technology market.

**Regional Analysis:** The report involves examining the Machine Vision Technology 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 Machine Vision Technology market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Machine Vision Technology:

**Company Analysis:** Report covers individual Machine Vision Technology 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 Machine Vision Technology. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial Applications, Non-Industrial Applications).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Machine Vision Technology 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

Machine Vision Technology 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

PC Based Machine Vision Technology

Embedded Machine Vision Technology

Smart Cameras Based Machine Vision Technology

### Market segment by Application

Industrial Applications

Non-Industrial Applications

Market segment by players, this report covers

Allied Vision Technologies

Basler

Adept Technology

Cognex

Keyence

ISRA Vision

Microscan Systems

Electro Scientific Industries

OMRON

Seeing Machines

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 Machine Vision Technology product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the Machine Vision Technology 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 Machine Vision Technology 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 Machine Vision Technology.

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

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