

Global Machine Vision Market 2023

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Abstracts

Machine vision refers to the technology and methods used to enable a machine, typically a computer, to see and interpret the world visually. This involves using cameras, sensors, and image processing algorithms to capture and analyze visual information. Machine vision is used in a wide range of applications, including industrial automation, quality control, robotics, autonomous vehicles, and medical imaging. It allows machines to make decisions and take actions based on visual input, similar to how humans use their vision to understand and interact with the world.

The global machine vision market is anticipated to increase by USD 6.1 billion till 2029 at an average annual growth of 6.6 percent as per the latest market estimates.

This comprehensive industry report provides market estimates and forecasts, accompanied by a detailed examination of the component, technology, end user, and region aspects. It delivers a quantitative analysis of the market, empowering stakeholders to leverage existing market opportunities. Furthermore, the report identifies key segments for potential opportunities and strategies, drawing insights from market trends and the approaches of leading competitors.

The global baby bottle market has been extensively analyzed by categorizing it according to various sub-segments in order to provide accurate forecasts of industry size and assess trends within specific areas.

The global market for machine vision can be segmented by component: hardware, services, software. Among these, the hardware segment was accounted for the highest revenue generator in 2022.

Machine vision market is further segmented by technology: PC-based, smart camera based. The PC-based segment is estimated to account for the largest share of the

global machine vision market.

Based on end user, the machine vision market is segmented into: automotive, electronics and semiconductor, food and beverages, medical devices, pharmaceuticals, others. The automotive segment held the largest share of the global machine vision market in 2022 and is anticipated to hold its share during the forecast period.

On the basis of region, the machine vision market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Asia-Pacific held the largest share in the global machine vision market in 2022 and is projected to portray the fastest growth rate in the coming years.

The market research report covers the analysis of key stake holders of the global machine vision market. Some of the leading players profiled in the report include Allied Vision Technologies GmbH, Basler AG, Baumer Holding AG, Cognex Corporation, Keyence Corporation, National Instruments Corporation, Omron Corporation (Microscan Systems, Inc.), Sick AG, Soliton Technologies Pvt Ltd., Sony Group Corporation, Teledyne FLIR LLC, Texas Instruments Incorporated, Tordivel AS, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

Why Choose This Report

Gain a reliable outlook of the global machine vision market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

Market Segments Covered in Global Machine Vision Industry Analysis:

i.) Component

Hardware

Services

Software

ii.) Technology

PC-based

Smart camera based

iii.) End user

Automotive

Electronics and semiconductor

Food and beverages

Medical devices

Pharmaceuticals

Others

iv.) Region

North America

Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

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