

# Global 2D Machine Vision Systems Market Growth (Status and Outlook) 2023-2029

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## Abstracts

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Machine vision (MV) is the technology and methods used to provide imaging-based automatic inspection and analysis for such applications as automatic inspection, process control, and robot guidance, usually in industry. Machine vision refers to many technologies, software and hardware products, integrated systems, actions, methods and expertise. 2D Machine Vision Technology provides results based on the characteristics of contrast in grayscale or color images. 2D is suitable for missing / presence detection, discrete object analysis, pattern alignment, bar code and optical character recognition, OCR, and various 2D geometric analysis based on edge detection. Used for fitting lines, ARCS, circles and their relative distance, angle, intersection points, etc.

LPI (LP Information)' newest research report, the "2D Machine Vision Systems Industry Forecast" looks at past sales and reviews total world 2D Machine Vision Systems sales in 2022, providing a comprehensive analysis by region and market sector of projected 2D Machine Vision Systems sales for 2023 through 2029. With 2D Machine Vision Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 2D Machine Vision Systems industry.

This Insight Report provides a comprehensive analysis of the global 2D Machine Vision Systems landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on 2D Machine Vision Systems portfolios and capabilities, market entry strategies, market positions,

and geographic footprints, to better understand these firms' unique position in an accelerating global 2D Machine Vision Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 2D Machine Vision Systems and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global 2D Machine Vision Systems.

The global 2D Machine Vision Systems market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for 2D Machine Vision Systems is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for 2D Machine Vision Systems is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for 2D Machine Vision Systems is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key 2D Machine Vision Systems players cover Cognex, Omron Microscan, National Instruments, Keyence, Canon, Isra Vision, Basler, MVTec Software and LMI Technologies, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of 2D Machine Vision Systems market by product type, application, key players and key regions and countries.

Market Segmentation:

Segmentation by type

Lighting

Lenses

Image Sensor

Vision Processing

Other

### Segmentation by application

Semiconductor and Electronics

Aerospace and Defense

Healthcare

Printing

Logistic

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Cognex

Omron Microscan

National Instruments

Keyence

Canon

Isra Vision

Basler

MVTec Software

LMI Technologies

Stemmer Imaging

Tordivel

Machine Vision Creation

VITRONIC

Optotune

USS Vision

JADAK

Balluff

Teledyne Technologies

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