

Market Research Report

EXCLUSIVE EDITION

Global 2D and 3D Machine Vision Systems Market Opportunities, and Forecast By 2030



Global Industry Analysis, Forecast and Trends, 2030

Global 2D and 3D Machine Vision Systems Market

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MARKET STATS VILLE

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Market Statsville is the leading market research and strategy builder with the depth and breadth of solutions that perfectly suit your every need. MSG provides solutions in a wide range of industry verticals in the form of market sizing, analysis, and incisive business insights. MSG experienced research analysts are proficient at digging deep and providing a variety of customizable data that help you make decisions with clarity, confidence, and impact.

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RESEARCH PROCESS



Our research is an optimum culmination of secondary and primary research, with the latter playing a major role. We also have an in-house repository and access to a number of external regional and global paid databases to help address specific requirements of our clients. The research process begins with a holistic secondary research, followed by expert interviews. The information gathered is then comprehensively analyzed by our highly experienced in-house research panel

2D and 3D Machine Vision Systems Market by Product (PC-based and Smart Camera-based), by Component (Hardware and Software), by Industry Vertical (Consumer Electronics, Automotive), by Region – Global Share and Forecast to 2030

Description

According to the Market Statsville Group, [the global 2D and 3D machine vision systems market](#) size was valued at USD 12.5 billion in 2021, and it is estimated to reach USD 31.6 billion by 2030, registering a CAGR of 13.3% during the period of 2022-2030.

Below information is analyzed in depth in the report-

Global 2D and 3D Machine Vision Systems Market Revenue, 2018-2023, 2024-2033, (US\$ Millions)

Global 2D and 3D Machine Vision Systems Market Sales Volume, 2018-2023, 2024-2033, (Units)

Share of the top five 2D and 3D Machine Vision Systems companies in 2023 (%)

Market Growth Mapping

Qualitative and quantitative methodologies were utilized in the process of market growth mapping. The report offers an extensive examination of market dynamics, including a thorough assessment of the primary factors that drive market expansion, challenges encountered by industry participants, and forthcoming trends that indicate recent development. Prospects for investment and expansion are discerned via a comprehensive SWOT analysis, which evaluates the market's strengths, weakness, opportunities, and threats. The PESTEL analysis, which investigates the technological, environmental, political, economic, and social factors that influence the industry, provides additional depth of analysis. Furthermore, the report incorporates an analysis of PORTER'S 5 forces, which provides valuable perspectives on the sector's profitability and competitive intensity. Moreover, the report covers regulatory landscape, COVID-19 impact analysis, customer sentiment and behavior, trade analysis, supply-demand analysis, and the influence of government policies and other macroeconomic factors.

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2D and 3D Machine Vision Systems Market Segmentation:

This study offers a thorough segmentation of the 2D and 3D Machine Vision Systems market based on an in-depth examination of the product portfolios and customers of key regional and global market players. By means of a comprehensive examination, we offer detailed perspectives on market segmentation, assisting stakeholders in comprehending the diverse aspects and variables that impact the 2D and 3D Machine Vision Systems market.

By Product Outlook (Revenue, USD Billion, 2017-2030)

- PC-based
- Smart Camera-based

By Component Outlook (Revenue, USD Billion, 2017-2030)

- Hardware
 - Vision Systems
 - Cameras
 - Optics and Illumination Systems
 - Frame Grabbers
 - Other Types of Hardware

- Software

By Industry Vertical Outlook (Revenue, USD Billion, 2017-2030)

- Consumer Electronics
- Automotive
- Medical and Pharmaceuticals
- Food and Beverage
- Other Industry Verticals

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Competitive Landscape of the Global 2D and 3D Machine Vision Systems Market

This section presents comprehensive information regarding various key players in the 2D and 3D Machine Vision Systems market. Additionally, it offers valuable insights pertaining to recent developments, contributions to the market, and effective marketing tactics. The study also encompasses a dashboard presentation that outlines the recent and current performance of the prominent corporations. The competitive analysis section of the research also encompasses an examination of both domestic and foreign sales, along with a comprehensive mapping of market players based on their respective products. Additionally, a thorough analysis of market share is conducted, focusing on significant firms, brands, producers, and suppliers.

The key companies covered in the market report are:

The 2D and 3D machine vision systems market is mildly concentrated in nature with few numbers of global players such as [Cognex Corporation](#), ISRA Vision AG, [Keyence Corporation](#), [Datalogic SpA](#), Sick AG, Active Silicon Ltd, Baumer Optronic GmbH, Adimec Advanced Image Systems BV, Hexagon AB (Hexagon Manufacturing Intelligence), Allied Vision Technologies GmbH, Flir Systems Inc., FANUC Corp., and Mitsubishi Electric Corporation.

Thank You

The logo consists of the letters 'M' and 'S' in a stylized, white, sans-serif font, positioned inside a dark blue square.

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