

Global Surface Vision and Inspection Market Size study & Forecast, by Components (Hardware, Software) by Application (Automotive, Electronics & Electrical, Medical, Food & Beverages, Logistics & Postal Sorting, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Surface Vision and Inspection Market is valued approximately USD 2.41 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 7.8% over the forecast period 2022-2029. For the monitoring of surface, ongoing inspection, and surveillance implementations, surface vision and inspection systems can be used. Surface vision and inspection look for joints, textures, holes, cracks, scratches, and dents that occur during production and international shipping. All manufacturing processes now include quality management systems (QMS), which is common across all industries. To preserve consistency in design and development, manufacturers of automobiles, steel, semiconductors, and other products are progressively embracing QMS. Along with this, rise in pharmaceutical and semiconductor manufacturers over the world is driving the growth for the market over the forecasted period. Moreover, technological advancement in the surface vision and inspection market is creating lucrative growth opportunity in the market. Integration of AI with surface vision and inspection is driving the growth for the market.

For instance, camera manufacturing company JAI A/S based in Denmark company provides cameras to the pharmaceutical industry for detecting missing tablets, broken blister sealing, etc. to maintain quality assurance. The cameras are integrated with 3-sensor imaging technique that provides precise spatial resolution and accurate edge detection which helps to address/resolve smaller problems. However, the shortage of

technically skilled persons is restraining the market growth over the forecast period of 2022-2029.

The key regions considered for the Global Surface Vision and Inspection Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the space in terms of revenue, the expansion can be attributable to rising demand from pharmaceutical and cosmetic companies. The government has adopted a sophisticated inspection system as a result of its severe product quality standards. The food and beverage business are embracing machine vision technology, which is assisting participants in increasing production efficiency, quality, and safety. Asia Pacific is expected to grow significantly during the forecast period, owing to the growing demand for surface vision & inspection systems is being driven by elements including the quick industrialization of developing nations, the existence of significant semiconductor, electronics, and automotive manufacturers, and the creation of quality standards regulations. Additionally, growing assembly line investment together with the industry's approach to factory automation to achieve high efficiency & minimize human error is supporting industry growth in the area.

Major market player included in this report are:

Baumer Inspection
Adept Technology, Inc
Cognex Corporation
Edmund Optics Inc
ETS SuperVision BV
Industrial Vision Systems Ltd.
Microscan Systems Inc.
Matrox Imaging
Vitronic GmbH
Omron Corporation

Recent Developments in the Market:

In February 2022, Biocon announced the acquisition of Viatris' biosimilar portfolio for USD 3.335 billion. This acquisition strengthened Biocon's biosimilar Components portfolio and improved its revenue generation.

In October 2021, the unveiling of a new Surface Inspection System, which is intended to improve inspection systems and decrease downtime, was announced by AMETEK, Inc., a producer of electronic equipment with headquarters in the United States.

In September 2020, Industrial Vision Systems launched a smart AI vision sensor which is majorly used for tracking the parts of machine.

Global Surface Vision and Inspection Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Components, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Components offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Components:

Hardware

Software

By Application:

Automotive

Electronics & Electrical

Medical

Food & Beverages

Logistics & Postal Sorting

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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