

# **Global Surface Inspection Market Size study, by Component (Cameras, Frame Grabbers Optics, Lighting Equipment, Processors, Software, Other Components), by Surface Type (2D, 3D), by System (Computer-based, Camera-based), by Deployment Type (Traditional Systems, Robotic Cells), by Vertical (Semiconductor, Automotive, Electrical & Electronics, Glass & Metal, Food & Packaging, Medical & Pharmaceuticals, Plastic & Rubber, Printing, Non-woven, Postal & Logistics), and Regional Forecasts 2021-2027**

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## **Abstracts**

Global surface inspection market is valued approximately at USD 3.2 billion in 2020 and is anticipated to grow with a healthy growth rate of about 8.6% over the forecast period 2021-2027. Surface inspection deals with usage of smart cameras and angled lighting to detect surface features or flaws accurately, in real time, on the objects as they are produced. The use of machine vision surface inspection may be challenging owing to the variety and nature of the object or product. The global surface inspection market is being driven by increased demand for electronic and electrical devices and increase in adoption of smart cameras. Furthermore, increased adoption of collaborative robots (cobots) will provide new opportunities for the global surface inspection industry. According to Statista, the size of the market for collaborative robots across the globe is expected to increase from USD 594.1 million in 2020 to approximately USD 1463.7 million by 2026. Such growth in the market revenue share of collaborative robots is expected to increase the demand and adoption of surface inspection through

collaborative robots and hence this is expected to boost the market growth. However, difficulty in integration of different robotic frameworks with existing facilities and interoperability issues may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global surface inspection market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific accounts for the largest share in terms of market revenue in the global surface inspection market over the forecast period 2021-2027. Factors such as easy availability of economical labor, low production costs, lenient safety & emission norms, government initiatives for Foreign Direct Investments, growing adoption of automation, etc. contribute towards the largest market share of the region in the forecast years.

Major market player included in this report are:

Isra Vision

Cognex

Omron

Teledyne Technologies

Vitronic

Panasonic

Matrox Electronic Systems

IMS Messsysteme

Keyence

Datalogic

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Cameras

Frame Grabbers

Optics  
Lighting Equipment  
Processors  
Software  
Other Components  
By Surface Type:  
2D  
3D  
By System:  
Computer-based  
Camera-based  
By Deployment Type:  
Traditional Systems  
Robotic Cells  
By Vertical:  
Semiconductor  
Automotive  
Electrical & Electronics  
Glass & Metal  
Food & Packaging  
Medical & Pharmaceuticals  
Plastic & Rubber  
Printing  
Non-woven  
Postal & Logistics  
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

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019  
Base year – 2020  
Forecast period – 2021 to 2027.

Target Audience of the Global Surface Inspection Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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