

Global 3D Automated Optical Inspection (AOI) Market Research Report with Opportunities and Strategies to Boost Growth- COVID-19 Impact and Recovery

<https://marketpublishers.com/r/GF7BD102947CEN.html>

Date: October 2021

Pages: 123

Price: US\$ 3,500.00 (Single User License)

ID: GF7BD102947CEN

Abstracts

The full name of AOI is automatic optical inspection, which is based on the optical principle to detect common defects encountered in welding production. AOI is a new type of testing technology emerging, but it has developed rapidly. Many manufacturers have introduced AOI testing equipment. When it is automatically detected, the machine automatically scans the PCB through the camera, collects images, and compares the solder joints of the test with the qualified parameters in the database. After image processing, the defects on the PCB are checked, and the defects are displayed/marked by the display or the automatic sign. Come out for repair by maintenance staff. Area of interest The name of the study area in some software for remote sensing and geographic information systems. Use high-speed and high-precision vision processing technology to automatically detect various misplaced errors and soldering defects on the PCB. PCB boards range from fine pitch high density boards to low density large size boards and offer on-line inspection solutions to increase productivity and weld quality. By using AOI as a tool to reduce defects, find and eliminate errors early in the assembly process to achieve good process control. Early detection of defects will avoid sending bad boards to subsequent assembly stages, and AOI will reduce repair costs and will avoid scrapping unrepairable boards.

Based on the 3D Automated Optical Inspection (AOI) market development status, competitive landscape and development model in different regions of the world, this report is dedicated to providing niche markets, potential risks and comprehensive competitive strategy analysis in different fields. From the competitive advantages of different types of products and services, the development opportunities and consumption characteristics and structure analysis of the downstream application fields are all analyzed in detail. To Boost Growth during the epidemic era, this report analyzes

in detail for the potential risks and opportunities which can be focused on.

In Chapter 2.4 of the report, we share our perspectives for the impact of COVID-19 from the long and short term.

In chapter 3.4, we provide the influence of the crisis on the industry chain, especially for marketing channels.

In chapters 8-13, we update the timely industry economic revitalization plan of the country-wise government.

Key players in the global 3D Automated Optical Inspection (AOI) market covered in Chapter 5:

ViTrox
CyberOptics Corporation
Mek (Marantz Electronics)
MirTec Ltd
Omron
SAKI Corporation
PARMI Corp
Pemtron
Shenzhen JT Automation Equipmen
Koh Young
Viscom AG
Vi TECHNOLOGY
Test Research, Inc (TRI)
Jet Technology
Machine Vision Products (MVP)

In Chapter 6, on the basis of types, the 3D Automated Optical Inspection (AOI) market from 2015 to 2025 is primarily split into:

Inline 3D AOI
Offline 3D AOI

In Chapter 7, on the basis of applications, the 3D Automated Optical Inspection (AOI) market from 2015 to 2025 covers:

Automotive Electronics
Consumer Electronics
Industrial Electronics
Aerospace & Defense

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 8-13:

North America (Covered in Chapter 9)

United States

Canada

Mexico

Europe (Covered in Chapter 10)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 11)

China

Japan

South Korea

Australia

India

South America (Covered in Chapter 12)

Brazil

Argentina

Columbia

Middle East and Africa (Covered in Chapter 13)

UAE

Egypt

South Africa

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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