

COVID-19 Outbreak-Global 3D Automated Optical Inspection (AOI) Industry Market Report-Development Trends, Threats, Opportunities and Competitive Landscape in 2020

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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.

The 3D Automated Optical Inspection (AOI) market revenue was xx.xx Million USD in 2019, and will reach xx.xx Million USD in 2025, with a CAGR of x.x% during 2020-2025.

Under COVID-19 outbreak globally, this report provides 360 degrees of analysis from supply chain, import and export control to regional government policy and future influence on the industry. Detailed analysis about market status (2015-2020), enterprise

competition pattern, advantages and disadvantages of enterprise products, industry development trends (2020-2025), regional industrial layout characteristics and macroeconomic policies, industrial policy has also been included. From raw materials to end users of this industry are analyzed scientifically, the trends of product circulation and sales channel will be presented as well. Considering COVID-19, this report provides comprehensive and in-depth analysis on how the epidemic push this industry transformation and reform.

In COVID-19 outbreak, Chapter 2.2 of this report provides an analysis of the impact of COVID-19 on the global economy and the 3D Automated Optical Inspection (AOI) industry.

Chapter 3.7 covers the analysis of the impact of COVID-19 from the perspective of the industry chain.

In addition, chapters 7-11 consider the impact of COVID-19 on the regional economy.

The 3D Automated Optical Inspection (AOI) market can be split based on product types, major applications, and important countries as follows:

Key players in the global 3D Automated Optical Inspection (AOI) market covered in Chapter 12:

CyberOptics Corporation

Pemtron

Vi TECHNOLOGY

Koh Young

ViTrox

Viscom AG

Omron

Machine Vision Products (MVP)

Jet Technology

SAKI Corporation

Test Research, Inc (TRI)

Shenzhen JT Automation Equipmen

Mek (Marantz Electronics)

MirTec Ltd

PARMI Corp

In Chapter 4 and 14.1, 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 5 and 14.2, 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 6, 7, 8, 9, 10, 11, 14:

North America (Covered in Chapter 7 and 14)

United States

Canada

Mexico

Europe (Covered in Chapter 8 and 14)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 9 and 14)

China

Japan

South Korea

Australia

India

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 10 and 14)

Saudi Arabia

UAE

Egypt

Nigeria

South Africa

Others

South America (Covered in Chapter 11 and 14)

Brazil

Argentina

Columbia

Chile

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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