

3D Automated Optical Inspection (AOI) Market - Global Outlook and Forecast 2022-2028

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Abstracts

3D AOI is a new type of testing technology emerging from the emerging world, but it has developed rapidly. Many manufacturers have introduced AOI testing equipment. 3D AOI enables precise inspection and measurement of the height dimension of devices on the PCB and provides clear side-view images of ICs and various devices. When it is automatically detected, the machine automatically scans the PCB through the camera, collects images, and compares the solder joints tested with the qualified parameters in the database. After image processing, the defects on the PCB are checked, and the defects are displayed/marked through the display or automatic signs.

This report contains market size and forecasts of 3D Automated Optical Inspection (AOI) in global, including the following market information:

Global 3D Automated Optical Inspection (AOI) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global 3D Automated Optical Inspection (AOI) Market Sales, 2017-2022, 2023-2028, (Units)

Global top five 3D Automated Optical Inspection (AOI) companies in 2021 (%)

The global 3D Automated Optical Inspection (AOI) market was valued at 455.9 million in 2021 and is projected to reach US\$ 1236 million by 2028, at a CAGR of 15.3% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Inline 3D AOI Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of 3D Automated Optical Inspection (AOI) include Koh Young Technology, Mirtec, ViTrox Corporation Berhad, Saki Corporation, Cyberoptics Corporation, Omron Corporation, Viscom, Test Research and Parmi Corp, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the 3D Automated Optical Inspection (AOI) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global 3D Automated Optical Inspection (AOI) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global 3D Automated Optical Inspection (AOI) Market Segment Percentages, by Type, 2021 (%)

Inline 3D AOI

Offline 3D AOI

Global 3D Automated Optical Inspection (AOI) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global 3D Automated Optical Inspection (AOI) Market Segment Percentages, by Application, 2021 (%)

PCB Industry

Panel Display Industry

Other Industries (Semiconductors, Solar Cells, Medical, etc.)

Global 3D Automated Optical Inspection (AOI) Market, By Region and Country,
2017-2022, 2023-2028 (\$ Millions) & (Units)

Global 3D Automated Optical Inspection (AOI) Market Segment Percentages, By
Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies 3D Automated Optical Inspection (AOI) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies 3D Automated Optical Inspection (AOI) revenues share in global market, 2021 (%)

Key companies 3D Automated Optical Inspection (AOI) sales in global market,

2017-2022 (Estimated), (Units)

Key companies 3D Automated Optical Inspection (AOI) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Koh Young Technology

Mirtec

ViTrox Corporation Berhad

Saki Corporation

Cyberoptics Corporation

Omron Corporation

Viscom

Test Research

Parmi Corp

VI Technology (Mycronic)

G?PEL electronic GmbH

Machine Vision Products (MVP)

Mek Marantz Electronics

Pemtron Corp.

Nordson YESTECH

JUTZE Intelligence Technology

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