

Global Automated Optical Inspection (AOI) for PCB Market Growth 2024-2030

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Abstracts

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Automated Optical Inspection (AOI) is a critical technology used in the manufacturing of printed circuit boards (PCBs). It employs vision systems to visually scan the surfaces of PCBs for any manufacturing defects that can occur during the production process. AOI systems are integral to ensuring the quality and reliability of PCBs, which are foundational components in virtually all electronic devices.

The global Automated Optical Inspection (AOI) for PCB market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Automated Optical Inspection (AOI) for PCB Industry Forecast” looks at past sales and reviews total world Automated Optical Inspection (AOI) for PCB sales in 2023, providing a comprehensive analysis by region and market sector of projected Automated Optical Inspection (AOI) for PCB sales for 2024 through 2030. With Automated Optical Inspection (AOI) for PCB sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automated Optical Inspection (AOI) for PCB industry.

This Insight Report provides a comprehensive analysis of the global Automated Optical Inspection (AOI) for PCB landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automated Optical Inspection (AOI) for PCB portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better

understand these firms' unique position in an accelerating global Automated Optical Inspection (AOI) for PCB market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automated Optical Inspection (AOI) for PCB and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automated Optical Inspection (AOI) for PCB.

United States market for Automated Optical Inspection (AOI) for PCB is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Automated Optical Inspection (AOI) for PCB is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Automated Optical Inspection (AOI) for PCB is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Automated Optical Inspection (AOI) for PCB players cover Orbotech Ltd. (KLA), Wuhan Jingce Electronic, Nordson YESTECH, Koh Young Technology, Omron Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Automated Optical Inspection (AOI) for PCB market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

2D

3D

Segmentation by Application:

Post-paste Inspection

Pre-reflow Inspection

Post-reflow Inspection

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Orbotech Ltd. (KLA)

Wuhan Jingce Electronic

Nordson YESTECH

Koh Young Technology

Omron Corporation

Test Research, Inc.

Utechzone

Viscom AG

Machvision Inc.

Saki Corporation

CIMS

MEK Marantz Electronics Ltd.

JUTZE Intelligence Technology

Cyberoptics Corporation

ViTrox Corporation Berhad

Mycronic

Mirtec Co., Ltd.

Machine Vision Products, Inc.

Shenzhou Vision Technology (ALEADER)

Takano

Parmi Corp

ZhenHuaXing Technology (ShenZhen) Co., Ltd.

G?PEL electronic GmbH

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automated Optical Inspection (AOI) for PCB market?

What factors are driving Automated Optical Inspection (AOI) for PCB market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automated Optical Inspection (AOI) for PCB market opportunities vary by end market size?

How does Automated Optical Inspection (AOI) for PCB break out by Type, by Application?

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