

Global PCB Optical Inspection Systems Market Growth 2026-2032

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Abstracts

The global PCB Optical Inspection Systems market size is predicted to grow from US\$ 712 million in 2025 to US\$ 1115 million in 2032; it is expected to grow at a CAGR of 6.8% from 2026 to 2032.

PCB optical inspection system (AOI, Automated Optical Inspection) is a device used to automatically check defects and quality issues in the manufacturing process of printed circuit boards (PCB). It uses high-resolution cameras and advanced image processing technology to capture images of the PCB surface and compare them with preset standards or templates to identify potential defects.

United States market for PCB Optical Inspection Systems is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for PCB Optical Inspection Systems is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for PCB Optical Inspection Systems is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key PCB Optical Inspection Systems players cover Gardien, Manncorp, Nordson, OMRON, Vision Engineering, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?PCB Optical Inspection Systems Industry Forecast? looks at past sales and reviews total world PCB Optical Inspection Systems sales in 2025, providing a comprehensive analysis by region and

market sector of projected PCB Optical Inspection Systems sales for 2026 through 2032. With PCB Optical Inspection Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world PCB Optical Inspection Systems industry.

This Insight Report provides a comprehensive analysis of the global PCB Optical Inspection Systems 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 PCB Optical Inspection Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PCB Optical Inspection Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PCB Optical Inspection Systems 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 PCB Optical Inspection Systems.

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

Segmentation by Type:

Fully Automatic

Semi-automatic

Segmentation by Application:

Online Detection

Offline Detection

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.

Gardien

Manncorp

Nordson

OMRON

Vision Engineering

Bruker

HB Technology

KohYoung Technology

Mirtec

SAKI

TRI

Viscom

CyberOptics

ViTrox Corporation

Orbotech

Shenzhen Leadaoi

Shenzhen Magic Ray

Guangzhou Maker Ray

Jutze

Key Questions Addressed in this Report

What is the 10-year outlook for the global PCB Optical Inspection Systems market?

What factors are driving PCB Optical Inspection Systems market growth, globally and by region?

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

How do PCB Optical Inspection Systems market opportunities vary by end market size?

How does PCB Optical Inspection Systems break out by Type, by Application?

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