

# Global Automated Optical Inspection AOI Equipment Market Research Report 2023(Status and Outlook)

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## Abstracts

### Report Overview

The full name of AOI is automatic optical inspection, which is based on optical principles to detect common defects encountered in welding production. 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. 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. Come out for repair by maintenance staff. This report introduce AOI Equipment.

Global Automated Optical Inspection (AOI) Equipment key players include Omron, SAKI Corporation, Mirtec Co., Ltd., Orbotech, etc. Global top four manufacturers hold a share over 35%.

Asia-Pacific is the largest market, with a share over 70%, followed by Europe, and North America, both have a share over 25 percent.

In terms of product, Inline AOI Equipment is the largest segment, with a share over 70%. And in terms of application, the largest application is PCB, followed by FPD(LCD / OLED), Semiconductor, etc.

Bosson Research's latest report provides a deep insight into the global Automated Optical Inspection AOI Equipment market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business

organization. The report structure also focuses on the competitive landscape of the Global Automated Optical Inspection AOI Equipment Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Automated Optical Inspection AOI Equipment market in any manner.

#### Global Automated Optical Inspection AOI Equipment Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

Omron

SAKI Corporation

Mirtec Co., Ltd.

Orbotech

Utechzone

CIMS China(Camtek)

Koh Young

Test Research, Inc(TRI)

Wuhan Jingce Electronic

Viscom AG

Machvision Inc.

Mek (Marantz Electronics)

Nordson

ViTrox

Takano

CyberOptics Corporation

Shenzhou Vision Technology

Machine Vision Products(MVP)

JUTZE Intelligence Technology Co.,Ltd.

ZhenHuaXing Technology ( ShenZhen ) Co., Ltd

## Market Segmentation (by Type)

Inline AOI Equipment

Offline AOI Equipment

## Market Segmentation (by Application)

Commercial

Residential

## Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

## Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Automated Optical Inspection AOI Equipment Market

Overview of the regional outlook of the Automated Optical Inspection AOI Equipment Market:

## Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region

as well as indicating the factors that are affecting the market within each region  
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Automated Optical Inspection AOI Equipment Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

1.1 Market Definition and Statistical Scope of Automated Optical Inspection AOI Equipment

1.2 Key Market Segments

1.2.1 Automated Optical Inspection AOI Equipment Segment by Type

1.2.2 Automated Optical Inspection AOI Equipment Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

### **2 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global Automated Optical Inspection AOI Equipment Market Size (M USD) Estimates and Forecasts (2018-2029)

2.1.2 Global Automated Optical Inspection AOI Equipment Sales Estimates and Forecasts (2018-2029)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET COMPETITIVE LANDSCAPE**

3.1 Global Automated Optical Inspection AOI Equipment Sales by Manufacturers (2018-2023)

3.2 Global Automated Optical Inspection AOI Equipment Revenue Market Share by Manufacturers (2018-2023)

3.3 Automated Optical Inspection AOI Equipment Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Automated Optical Inspection AOI Equipment Average Price by Manufacturers (2018-2023)

3.5 Manufacturers Automated Optical Inspection AOI Equipment Sales Sites, Area Served, Product Type

### 3.6 Automated Optical Inspection AOI Equipment Market Competitive Situation and Trends

3.6.1 Automated Optical Inspection AOI Equipment Market Concentration Rate

3.6.2 Global 5 and 10 Largest Automated Optical Inspection AOI Equipment Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

## **4 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT INDUSTRY CHAIN ANALYSIS**

4.1 Automated Optical Inspection AOI Equipment Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

## **6 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Automated Optical Inspection AOI Equipment Sales Market Share by Type (2018-2023)

6.3 Global Automated Optical Inspection AOI Equipment Market Size Market Share by Type (2018-2023)

6.4 Global Automated Optical Inspection AOI Equipment Price by Type (2018-2023)

## **7 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Automated Optical Inspection AOI Equipment Market Sales by Application (2018-2023)
- 7.3 Global Automated Optical Inspection AOI Equipment Market Size (M USD) by Application (2018-2023)
- 7.4 Global Automated Optical Inspection AOI Equipment Sales Growth Rate by Application (2018-2023)

## **8 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET SEGMENTATION BY REGION**

- 8.1 Global Automated Optical Inspection AOI Equipment Sales by Region
  - 8.1.1 Global Automated Optical Inspection AOI Equipment Sales by Region
  - 8.1.2 Global Automated Optical Inspection AOI Equipment Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America Automated Optical Inspection AOI Equipment Sales by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada
  - 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe Automated Optical Inspection AOI Equipment Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific Automated Optical Inspection AOI Equipment Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America Automated Optical Inspection AOI Equipment Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Automated Optical Inspection AOI Equipment Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

9.1 Omron

9.1.1 Omron Automated Optical Inspection AOI Equipment Basic Information

9.1.2 Omron Automated Optical Inspection AOI Equipment Product Overview

9.1.3 Omron Automated Optical Inspection AOI Equipment Product Market Performance

9.1.4 Omron Business Overview

9.1.5 Omron Automated Optical Inspection AOI Equipment SWOT Analysis

9.1.6 Omron Recent Developments

9.2 SAKI Corporation

9.2.1 SAKI Corporation Automated Optical Inspection AOI Equipment Basic Information

9.2.2 SAKI Corporation Automated Optical Inspection AOI Equipment Product Overview

9.2.3 SAKI Corporation Automated Optical Inspection AOI Equipment Product Market Performance

9.2.4 SAKI Corporation Business Overview

9.2.5 SAKI Corporation Automated Optical Inspection AOI Equipment SWOT Analysis

9.2.6 SAKI Corporation Recent Developments

9.3 Mirtec Co., Ltd.

9.3.1 Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Basic Information

9.3.2 Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Product Overview

9.3.3 Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Product Market Performance

9.3.4 Mirtec Co., Ltd. Business Overview

9.3.5 Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment SWOT Analysis

### 9.3.6 Mirtec Co., Ltd. Recent Developments

## 9.4 Orbotech

### 9.4.1 Orbotech Automated Optical Inspection AOI Equipment Basic Information

### 9.4.2 Orbotech Automated Optical Inspection AOI Equipment Product Overview

### 9.4.3 Orbotech Automated Optical Inspection AOI Equipment Product Market

### Performance

### 9.4.4 Orbotech Business Overview

### 9.4.5 Orbotech Automated Optical Inspection AOI Equipment SWOT Analysis

### 9.4.6 Orbotech Recent Developments

## 9.5 Utechzone

### 9.5.1 Utechzone Automated Optical Inspection AOI Equipment Basic Information

### 9.5.2 Utechzone Automated Optical Inspection AOI Equipment Product Overview

### 9.5.3 Utechzone Automated Optical Inspection AOI Equipment Product Market

### Performance

### 9.5.4 Utechzone Business Overview

### 9.5.5 Utechzone Automated Optical Inspection AOI Equipment SWOT Analysis

### 9.5.6 Utechzone Recent Developments

## 9.6 CIMS China(Camtek)

### 9.6.1 CIMS China(Camtek) Automated Optical Inspection AOI Equipment Basic Information

### 9.6.2 CIMS China(Camtek) Automated Optical Inspection AOI Equipment Product Overview

### 9.6.3 CIMS China(Camtek) Automated Optical Inspection AOI Equipment Product Market Performance

### 9.6.4 CIMS China(Camtek) Business Overview

### 9.6.5 CIMS China(Camtek) Recent Developments

## 9.7 Koh Young

### 9.7.1 Koh Young Automated Optical Inspection AOI Equipment Basic Information

### 9.7.2 Koh Young Automated Optical Inspection AOI Equipment Product Overview

### 9.7.3 Koh Young Automated Optical Inspection AOI Equipment Product Market

### Performance

### 9.7.4 Koh Young Business Overview

### 9.7.5 Koh Young Recent Developments

## 9.8 Test Research, Inc(TRI)

### 9.8.1 Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Basic Information

### 9.8.2 Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Product Overview

### 9.8.3 Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Product

## Market Performance

9.8.4 Test Research, Inc(TRI) Business Overview

9.8.5 Test Research, Inc(TRI) Recent Developments

## 9.9 Wuhan Jingce Electronic

9.9.1 Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Basic Information

9.9.2 Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Product Overview

9.9.3 Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Product Market Performance

9.9.4 Wuhan Jingce Electronic Business Overview

9.9.5 Wuhan Jingce Electronic Recent Developments

## 9.10 Viscom AG

9.10.1 Viscom AG Automated Optical Inspection AOI Equipment Basic Information

9.10.2 Viscom AG Automated Optical Inspection AOI Equipment Product Overview

9.10.3 Viscom AG Automated Optical Inspection AOI Equipment Product Market

Performance

9.10.4 Viscom AG Business Overview

9.10.5 Viscom AG Recent Developments

## 9.11 Machvision Inc.

9.11.1 Machvision Inc. Automated Optical Inspection AOI Equipment Basic Information

9.11.2 Machvision Inc. Automated Optical Inspection AOI Equipment Product

Overview

9.11.3 Machvision Inc. Automated Optical Inspection AOI Equipment Product Market

Performance

9.11.4 Machvision Inc. Business Overview

9.11.5 Machvision Inc. Recent Developments

## 9.12 Mek (Marantz Electronics)

9.12.1 Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Basic Information

9.12.2 Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Product Overview

9.12.3 Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Product Market Performance

9.12.4 Mek (Marantz Electronics) Business Overview

9.12.5 Mek (Marantz Electronics) Recent Developments

## 9.13 Nordson

9.13.1 Nordson Automated Optical Inspection AOI Equipment Basic Information

9.13.2 Nordson Automated Optical Inspection AOI Equipment Product Overview

9.13.3 Nordson Automated Optical Inspection AOI Equipment Product Market Performance

9.13.4 Nordson Business Overview

9.13.5 Nordson Recent Developments

9.14 ViTrox

9.14.1 ViTrox Automated Optical Inspection AOI Equipment Basic Information

9.14.2 ViTrox Automated Optical Inspection AOI Equipment Product Overview

9.14.3 ViTrox Automated Optical Inspection AOI Equipment Product Market Performance

9.14.4 ViTrox Business Overview

9.14.5 ViTrox Recent Developments

9.15 Takano

9.15.1 Takano Automated Optical Inspection AOI Equipment Basic Information

9.15.2 Takano Automated Optical Inspection AOI Equipment Product Overview

9.15.3 Takano Automated Optical Inspection AOI Equipment Product Market Performance

9.15.4 Takano Business Overview

9.15.5 Takano Recent Developments

9.16 CyberOptics Corporation

9.16.1 CyberOptics Corporation Automated Optical Inspection AOI Equipment Basic Information

9.16.2 CyberOptics Corporation Automated Optical Inspection AOI Equipment Product Overview

9.16.3 CyberOptics Corporation Automated Optical Inspection AOI Equipment Product Market Performance

9.16.4 CyberOptics Corporation Business Overview

9.16.5 CyberOptics Corporation Recent Developments

9.17 Shenzhou Vision Technology

9.17.1 Shenzhou Vision Technology Automated Optical Inspection AOI Equipment Basic Information

9.17.2 Shenzhou Vision Technology Automated Optical Inspection AOI Equipment Product Overview

9.17.3 Shenzhou Vision Technology Automated Optical Inspection AOI Equipment Product Market Performance

9.17.4 Shenzhou Vision Technology Business Overview

9.17.5 Shenzhou Vision Technology Recent Developments

9.18 Machine Vision Products(MVP)

9.18.1 Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Basic Information

9.18.2 Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Product Overview

9.18.3 Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Product Market Performance

9.18.4 Machine Vision Products(MVP) Business Overview

9.18.5 Machine Vision Products(MVP) Recent Developments

9.19 JUTZE Intelligence Technology Co.,Ltd.

9.19.1 JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Basic Information

9.19.2 JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Product Overview

9.19.3 JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Product Market Performance

9.19.4 JUTZE Intelligence Technology Co.,Ltd. Business Overview

9.19.5 JUTZE Intelligence Technology Co.,Ltd. Recent Developments

9.20 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd

9.20.1 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Basic Information

9.20.2 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Product Overview

9.20.3 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Product Market Performance

9.20.4 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Business Overview

9.20.5 ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Recent Developments

## **10 AUTOMATED OPTICAL INSPECTION AOI EQUIPMENT MARKET FORECAST BY REGION**

10.1 Global Automated Optical Inspection AOI Equipment Market Size Forecast

10.2 Global Automated Optical Inspection AOI Equipment Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Automated Optical Inspection AOI Equipment Market Size Forecast by Country

10.2.3 Asia Pacific Automated Optical Inspection AOI Equipment Market Size Forecast by Region

10.2.4 South America Automated Optical Inspection AOI Equipment Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Automated Optical Inspection AOI Equipment by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2024-2029)**

11.1 Global Automated Optical Inspection AOI Equipment Market Forecast by Type (2024-2029)

11.1.1 Global Forecasted Sales of Automated Optical Inspection AOI Equipment by Type (2024-2029)

11.1.2 Global Automated Optical Inspection AOI Equipment Market Size Forecast by Type (2024-2029)

11.1.3 Global Forecasted Price of Automated Optical Inspection AOI Equipment by Type (2024-2029)

11.2 Global Automated Optical Inspection AOI Equipment Market Forecast by Application (2024-2029)

11.2.1 Global Automated Optical Inspection AOI Equipment Sales (K Units) Forecast by Application

11.2.2 Global Automated Optical Inspection AOI Equipment Market Size (M USD) Forecast by Application (2024-2029)

## **12 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Automated Optical Inspection AOI Equipment Market Size Comparison by Region (M USD)

Table 5. Global Automated Optical Inspection AOI Equipment Sales (K Units) by Manufacturers (2018-2023)

Table 6. Global Automated Optical Inspection AOI Equipment Sales Market Share by Manufacturers (2018-2023)

Table 7. Global Automated Optical Inspection AOI Equipment Revenue (M USD) by Manufacturers (2018-2023)

Table 8. Global Automated Optical Inspection AOI Equipment Revenue Share by Manufacturers (2018-2023)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Automated Optical Inspection AOI Equipment as of 2022)

Table 10. Global Market Automated Optical Inspection AOI Equipment Average Price (USD/Unit) of Key Manufacturers (2018-2023)

Table 11. Manufacturers Automated Optical Inspection AOI Equipment Sales Sites and Area Served

Table 12. Manufacturers Automated Optical Inspection AOI Equipment Product Type

Table 13. Global Automated Optical Inspection AOI Equipment Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Automated Optical Inspection AOI Equipment

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Automated Optical Inspection AOI Equipment Market Challenges

Table 22. Market Restraints

Table 23. Global Automated Optical Inspection AOI Equipment Sales by Type (K Units)

Table 24. Global Automated Optical Inspection AOI Equipment Market Size by Type (M USD)

Table 25. Global Automated Optical Inspection AOI Equipment Sales (K Units) by Type

(2018-2023)

Table 26. Global Automated Optical Inspection AOI Equipment Sales Market Share by Type (2018-2023)

Table 27. Global Automated Optical Inspection AOI Equipment Market Size (M USD) by Type (2018-2023)

Table 28. Global Automated Optical Inspection AOI Equipment Market Size Share by Type (2018-2023)

Table 29. Global Automated Optical Inspection AOI Equipment Price (USD/Unit) by Type (2018-2023)

Table 30. Global Automated Optical Inspection AOI Equipment Sales (K Units) by Application

Table 31. Global Automated Optical Inspection AOI Equipment Market Size by Application

Table 32. Global Automated Optical Inspection AOI Equipment Sales by Application (2018-2023) & (K Units)

Table 33. Global Automated Optical Inspection AOI Equipment Sales Market Share by Application (2018-2023)

Table 34. Global Automated Optical Inspection AOI Equipment Sales by Application (2018-2023) & (M USD)

Table 35. Global Automated Optical Inspection AOI Equipment Market Share by Application (2018-2023)

Table 36. Global Automated Optical Inspection AOI Equipment Sales Growth Rate by Application (2018-2023)

Table 37. Global Automated Optical Inspection AOI Equipment Sales by Region (2018-2023) & (K Units)

Table 38. Global Automated Optical Inspection AOI Equipment Sales Market Share by Region (2018-2023)

Table 39. North America Automated Optical Inspection AOI Equipment Sales by Country (2018-2023) & (K Units)

Table 40. Europe Automated Optical Inspection AOI Equipment Sales by Country (2018-2023) & (K Units)

Table 41. Asia Pacific Automated Optical Inspection AOI Equipment Sales by Region (2018-2023) & (K Units)

Table 42. South America Automated Optical Inspection AOI Equipment Sales by Country (2018-2023) & (K Units)

Table 43. Middle East and Africa Automated Optical Inspection AOI Equipment Sales by Region (2018-2023) & (K Units)

Table 44. Omron Automated Optical Inspection AOI Equipment Basic Information

Table 45. Omron Automated Optical Inspection AOI Equipment Product Overview

- Table 46. Omron Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)
- Table 47. Omron Business Overview
- Table 48. Omron Automated Optical Inspection AOI Equipment SWOT Analysis
- Table 49. Omron Recent Developments
- Table 50. SAKI Corporation Automated Optical Inspection AOI Equipment Basic Information
- Table 51. SAKI Corporation Automated Optical Inspection AOI Equipment Product Overview
- Table 52. SAKI Corporation Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)
- Table 53. SAKI Corporation Business Overview
- Table 54. SAKI Corporation Automated Optical Inspection AOI Equipment SWOT Analysis
- Table 55. SAKI Corporation Recent Developments
- Table 56. Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Basic Information
- Table 57. Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Product Overview
- Table 58. Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)
- Table 59. Mirtec Co., Ltd. Business Overview
- Table 60. Mirtec Co., Ltd. Automated Optical Inspection AOI Equipment SWOT Analysis
- Table 61. Mirtec Co., Ltd. Recent Developments
- Table 62. Orbotech Automated Optical Inspection AOI Equipment Basic Information
- Table 63. Orbotech Automated Optical Inspection AOI Equipment Product Overview
- Table 64. Orbotech Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)
- Table 65. Orbotech Business Overview
- Table 66. Orbotech Automated Optical Inspection AOI Equipment SWOT Analysis
- Table 67. Orbotech Recent Developments
- Table 68. Utechzone Automated Optical Inspection AOI Equipment Basic Information
- Table 69. Utechzone Automated Optical Inspection AOI Equipment Product Overview
- Table 70. Utechzone Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)
- Table 71. Utechzone Business Overview
- Table 72. Utechzone Automated Optical Inspection AOI Equipment SWOT Analysis
- Table 73. Utechzone Recent Developments
- Table 74. CIMS China(Camtek) Automated Optical Inspection AOI Equipment Basic

## Information

Table 75. CIMS China(Camtek) Automated Optical Inspection AOI Equipment Product Overview

Table 76. CIMS China(Camtek) Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 77. CIMS China(Camtek) Business Overview

Table 78. CIMS China(Camtek) Recent Developments

Table 79. Koh Young Automated Optical Inspection AOI Equipment Basic Information

Table 80. Koh Young Automated Optical Inspection AOI Equipment Product Overview

Table 81. Koh Young Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 82. Koh Young Business Overview

Table 83. Koh Young Recent Developments

Table 84. Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Basic Information

Table 85. Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Product Overview

Table 86. Test Research, Inc(TRI) Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 87. Test Research, Inc(TRI) Business Overview

Table 88. Test Research, Inc(TRI) Recent Developments

Table 89. Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Basic Information

Table 90. Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Product Overview

Table 91. Wuhan Jingce Electronic Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 92. Wuhan Jingce Electronic Business Overview

Table 93. Wuhan Jingce Electronic Recent Developments

Table 94. Viscom AG Automated Optical Inspection AOI Equipment Basic Information

Table 95. Viscom AG Automated Optical Inspection AOI Equipment Product Overview

Table 96. Viscom AG Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 97. Viscom AG Business Overview

Table 98. Viscom AG Recent Developments

Table 99. Machvision Inc. Automated Optical Inspection AOI Equipment Basic Information

Table 100. Machvision Inc. Automated Optical Inspection AOI Equipment Product Overview

Table 101. Machvision Inc. Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 102. Machvision Inc. Business Overview

Table 103. Machvision Inc. Recent Developments

Table 104. Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Basic Information

Table 105. Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Product Overview

Table 106. Mek (Marantz Electronics) Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 107. Mek (Marantz Electronics) Business Overview

Table 108. Mek (Marantz Electronics) Recent Developments

Table 109. Nordson Automated Optical Inspection AOI Equipment Basic Information

Table 110. Nordson Automated Optical Inspection AOI Equipment Product Overview

Table 111. Nordson Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 112. Nordson Business Overview

Table 113. Nordson Recent Developments

Table 114. ViTrox Automated Optical Inspection AOI Equipment Basic Information

Table 115. ViTrox Automated Optical Inspection AOI Equipment Product Overview

Table 116. ViTrox Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 117. ViTrox Business Overview

Table 118. ViTrox Recent Developments

Table 119. Takano Automated Optical Inspection AOI Equipment Basic Information

Table 120. Takano Automated Optical Inspection AOI Equipment Product Overview

Table 121. Takano Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 122. Takano Business Overview

Table 123. Takano Recent Developments

Table 124. CyberOptics Corporation Automated Optical Inspection AOI Equipment Basic Information

Table 125. CyberOptics Corporation Automated Optical Inspection AOI Equipment Product Overview

Table 126. CyberOptics Corporation Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 127. CyberOptics Corporation Business Overview

Table 128. CyberOptics Corporation Recent Developments

Table 129. Shenzhou Vision Technology Automated Optical Inspection AOI Equipment

## Basic Information

Table 130. Shenzhou Vision Technology Automated Optical Inspection AOI Equipment Product Overview

Table 131. Shenzhou Vision Technology Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 132. Shenzhou Vision Technology Business Overview

Table 133. Shenzhou Vision Technology Recent Developments

Table 134. Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Basic Information

Table 135. Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Product Overview

Table 136. Machine Vision Products(MVP) Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 137. Machine Vision Products(MVP) Business Overview

Table 138. Machine Vision Products(MVP) Recent Developments

Table 139. JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Basic Information

Table 140. JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Product Overview

Table 141. JUTZE Intelligence Technology Co.,Ltd. Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 142. JUTZE Intelligence Technology Co.,Ltd. Business Overview

Table 143. JUTZE Intelligence Technology Co.,Ltd. Recent Developments

Table 144. ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Basic Information

Table 145. ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Product Overview

Table 146. ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Automated Optical Inspection AOI Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2018-2023)

Table 147. ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Business Overview

Table 148. ZhenHuaXing Technology ( ShenZhen ) Co., Ltd Recent Developments

Table 149. Global Automated Optical Inspection AOI Equipment Sales Forecast by Region (2024-2029) & (K Units)

Table 150. Global Automated Optical Inspection AOI Equipment Market Size Forecast by Region (2024-2029) & (M USD)

Table 151. North America Automated Optical Inspection AOI Equipment Sales Forecast

by Country (2024-2029) & (K Units)

Table 152. North America Automated Optical Inspection AOI Equipment Market Size Forecast by Country (2024-2029) & (M USD)

Table 153. Europe Automated Optical Inspection AOI Equipment Sales Forecast by Country (2024-2029) & (K Units)

Table 154. Europe Automated Optical Inspection AOI Equipment Market Size Forecast by Country (2024-2029) & (M USD)

Table 155. Asia Pacific Automated Optical Inspection AOI Equipment Sales Forecast by Region (2024-2029) & (K Units)

Table 156. Asia Pacific Automated Optical Inspection AOI Equipment Market Size Forecast by Region (2024-2029) & (M USD)

Table 157. South America Automated Optical Inspection AOI Equipment Sales Forecast by Country (2024-2029) & (K Units)

Table 158. South America Automated Optical Inspection AOI Equipment Market Size Forecast by Country (2024-2029) & (M USD)

Table 159. Middle East and Africa Automated Optical Inspection AOI Equipment Consumption Forecast by Country (2024-2029) & (Units)

Table 160. Middle East and Africa Automated Optical Inspection AOI Equipment Market Size Forecast by Country (2024-2029) & (M USD)

Table 161. Global Automated Optical Inspection AOI Equipment Sales Forecast by Type (2024-2029) & (K Units)

Table 162. Global Automated Optical Inspection AOI Equipment Market Size Forecast by Type (2024-2029) & (M USD)

Table 163. Global Automated Optical Inspection AOI Equipment Price Forecast by Type (2024-2029) & (USD/Unit)

Table 164. Global Automated Optical Inspection AOI Equipment Sales (K Units) Forecast by Application (2024-2029)

Table 165. Global Automated Optical Inspection AOI Equipment Market Size Forecast by Application (2024-2029) & (M USD)

## List Of Figures

### LIST OF FIGURES

Figure 1. Product Picture of Automated Optical Inspection AOI Equipment

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Automated Optical Inspection AOI Equipment Market Size (M USD), 2018-2029

Figure 5. Global Automated Optical Inspection AOI Equipment Market Size (M USD) (2018-2029)

Figure 6. Global Automated Optical Inspection AOI Equipment Sales (K Units) & (2018-2029)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Automated Optical Inspection AOI Equipment Market Size by Country (M USD)

Figure 11. Automated Optical Inspection AOI Equipment Sales Share by Manufacturers in 2022

Figure 12. Global Automated Optical Inspection AOI Equipment Revenue Share by Manufacturers in 2022

Figure 13. Automated Optical Inspection AOI Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2018 Vs 2022

Figure 14. Global Market Automated Optical Inspection AOI Equipment Average Price (USD/Unit) of Key Manufacturers in 2022

Figure 15. The Global 5 and 10 Largest Players: Market Share by Automated Optical Inspection AOI Equipment Revenue in 2022

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Automated Optical Inspection AOI Equipment Market Share by Type

Figure 18. Sales Market Share of Automated Optical Inspection AOI Equipment by Type (2018-2023)

Figure 19. Sales Market Share of Automated Optical Inspection AOI Equipment by Type in 2022

Figure 20. Market Size Share of Automated Optical Inspection AOI Equipment by Type (2018-2023)

Figure 21. Market Size Market Share of Automated Optical Inspection AOI Equipment by Type in 2022

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Automated Optical Inspection AOI Equipment Market Share by Application

Figure 24. Global Automated Optical Inspection AOI Equipment Sales Market Share by Application (2018-2023)

Figure 25. Global Automated Optical Inspection AOI Equipment Sales Market Share by Application in 2022

Figure 26. Global Automated Optical Inspection AOI Equipment Market Share by Application (2018-2023)

Figure 27. Global Automated Optical Inspection AOI Equipment Market Share by Application in 2022

Figure 28. Global Automated Optical Inspection AOI Equipment Sales Growth Rate by Application (2018-2023)

Figure 29. Global Automated Optical Inspection AOI Equipment Sales Market Share by Region (2018-2023)

Figure 30. North America Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 31. North America Automated Optical Inspection AOI Equipment Sales Market Share by Country in 2022

Figure 32. U.S. Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 33. Canada Automated Optical Inspection AOI Equipment Sales (K Units) and Growth Rate (2018-2023)

Figure 34. Mexico Automated Optical Inspection AOI Equipment Sales (Units) and Growth Rate (2018-2023)

Figure 35. Europe Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 36. Europe Automated Optical Inspection AOI Equipment Sales Market Share by Country in 2022

Figure 37. Germany Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 38. France Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 39. U.K. Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 40. Italy Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 41. Russia Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 42. Asia Pacific Automated Optical Inspection AOI Equipment Sales and Growth

Rate (K Units)

Figure 43. Asia Pacific Automated Optical Inspection AOI Equipment Sales Market Share by Region in 2022

Figure 44. China Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 45. Japan Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 46. South Korea Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 47. India Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 48. Southeast Asia Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 49. South America Automated Optical Inspection AOI Equipment Sales and Growth Rate (K Units)

Figure 50. South America Automated Optical Inspection AOI Equipment Sales Market Share by Country in 2022

Figure 51. Brazil Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 52. Argentina Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 53. Columbia Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 54. Middle East and Africa Automated Optical Inspection AOI Equipment Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Automated Optical Inspection AOI Equipment Sales Market Share by Region in 2022

Figure 56. Saudi Arabia Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 57. UAE Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 58. Egypt Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 59. Nigeria Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 60. South Africa Automated Optical Inspection AOI Equipment Sales and Growth Rate (2018-2023) & (K Units)

Figure 61. Global Automated Optical Inspection AOI Equipment Sales Forecast by Volume (2018-2029) & (K Units)

Figure 62. Global Automated Optical Inspection AOI Equipment Market Size Forecast by Value (2018-2029) & (M USD)

Figure 63. Global Automated Optical Inspection AOI Equipment Sales Market Share Forecast by Type (2024-2029)

Figure 64. Global Automated Optical Inspection AOI Equipment Market Share Forecast by Type (2024-2029)

Figure 65. Global Automated Optical Inspection AOI Equipment Sales Forecast by Application (2024-2029)

Figure 66. Global Automated Optical Inspection AOI Equipment Market Share Forecast by Application (2024-2029)

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