

Global Automated Optical Inspection (AOI) Equipment for IC Substrate Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Automated Optical Inspection (AOI) Equipment for IC Substrate market size was valued at USD 114.2 million in 2022 and is forecast to a readjusted size of USD 161.5 million by 2029 with a CAGR of 5.1% during review period.

This report studies the AOI system for IC substrates, currently the key players of AOI system are Orbotech (KLA), MACHVISION Inc Co., LTD, Intekplus, GigaVis, and CIMS, etc.

The key manufacturers of IC substrates include Unimicron, Ibiden, Nan Ya PCB, Shinko Electric Industries, Kinsus Interconnect Technology, AT&S, and Samsung Electro-Mechanics, etc. Currently FC-BGA (ABF) is the largest and fastest-growing segment of IC Substrate, driven by the demand from PCs, server, Al Chips, Data Center, HPC Chips, and Communication, etc.

The Global Info Research report includes an overview of the development of the Automated Optical Inspection (AOI) Equipment for IC Substrate industry chain, the market status of FC-BGA (ABF) (3D AOI, 2D AOI), FC-CSP (3D AOI, 2D AOI), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automated Optical Inspection (AOI) Equipment for IC Substrate.

Regionally, the report analyzes the Automated Optical Inspection (AOI) Equipment for IC Substrate markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness.



Asia-Pacific, particularly China, leads the global Automated Optical Inspection (AOI) Equipment for IC Substrate market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automated Optical Inspection (AOI) Equipment for IC Substrate market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automated Optical Inspection (AOI) Equipment for IC Substrate industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., 3D AOI, 2D AOI).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automated Optical Inspection (AOI) Equipment for IC Substrate market.

Regional Analysis: The report involves examining the Automated Optical Inspection (AOI) Equipment for IC Substrate market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automated Optical Inspection (AOI) Equipment for IC Substrate market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automated Optical Inspection (AOI) Equipment for IC Substrate:

Company Analysis: Report covers individual Automated Optical Inspection (AOI) Equipment for IC Substrate manufacturers, suppliers, and other relevant industry



players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automated Optical Inspection (AOI) Equipment for IC Substrate This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (FC-BGA (ABF), FC-CSP).

Technology Analysis: Report covers specific technologies relevant to Automated Optical Inspection (AOI) Equipment for IC Substrate. It assesses the current state, advancements, and potential future developments in Automated Optical Inspection (AOI) Equipment for IC Substrate areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automated Optical Inspection (AOI) Equipment for IC Substrate market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automated Optical Inspection (AOI) Equipment for IC Substrate market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

3D AOI

2D AOI

Market segment by Application

FC-BGA (ABF)



FC	C-CSP	
ВС	GA/CSP	
Sil	P and RF Modules	
Ot	thers	
Major players covered		
Or	rbotech (KLA)	
M	ACHVISION Inc Co., LTD	
Int	tekplus	
Gi	igaVis	
CI	IMS	
Ut	techzone	
IN	ISPEC	
Sa	aki Corporation	
F.A	AVITE Inc.	
TZ	ZTEK Company	
Market segment by region, regional analysis covers		
No	orth America (United States, Canada and Mexico)	
Ει	urope (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)	



Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automated Optical Inspection (AOI) Equipment for IC Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automated Optical Inspection (AOI) Equipment for IC Substrate, with price, sales, revenue and global market share of Automated Optical Inspection (AOI) Equipment for IC Substrate from 2018 to 2023.

Chapter 3, the Automated Optical Inspection (AOI) Equipment for IC Substrate competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automated Optical Inspection (AOI) Equipment for IC Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Automated Optical Inspection (AOI) Equipment for IC Substrate market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automated Optical Inspection (AOI) Equipment for IC Substrate.



Chapter 14 and 15, to describe Automated Optical Inspection (AOI) Equipment for IC Substrate sales channel, distributors, customers, research findings and conclusion.



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