

Global Semiconductor Wafer Defect Inspection Equipment Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G99ADC5B8533EN.html>

Date: February 2026

Pages: 209

Price: US\$ 2,980.00 (Single User License)

ID: G99ADC5B8533EN

Abstracts

Semiconductor inspection runs through the entire semiconductor process, that is, the front-end and back-end. Semiconductor inspection includes optical inspection, electron beam inspection and X-ray measurement. It mainly detects whether there are abnormal quality conditions on the surface of the wafer or in the circuit structure, such as scratches, particle contamination, graphic errors and other defects. Different inspection technologies have obvious differences, mainly reflected in accuracy, speed and inspection purposes. Semiconductor inspection types include patterned, non-patterned and mask inspection. Among them, patterned defect inspection is divided into bright field and dark field inspection. Both are analyzed through optical signals. The difference is that the bright field is a vertically reflected light signal, while the dark field is a scattered light signal. Semiconductor optical inspection mainly refers to automatic optical inspection (AOI), which is a key technology with a wide range of uses in wafer manufacturing. Optical inspection is non-contact and has minimal destructiveness to the wafer itself; by performing batch and rapid inspection of wafers, it can meet the manufacturer's requirements for throughput. Optical profilers are also a type of optical inspection equipment, but they are significantly different from AOI equipment. The statistical scope of this article does not include optical profilers. Automatic optical inspection (AOI) is a detection method that obtains the image of the object under test through optical imaging, processes and analyzes it through a specific algorithm, and compares it with the standard template image to obtain the defects of the object under test. As the wafer size gradually shifts to 12 inches, the speed and accuracy of wafer defect detection are becoming more and more important. By replacing manual scratches and other appearance inspections with AOI systems, the speed and quality of wafer output can be improved, thereby reducing the output of scrapped products and reducing labor costs. This article focuses on the statistics of equipment used for wafer

defect inspection, such as patterned wafer defect inspection, non-patterned wafer defect inspection, electron beam wafer defect inspection and X-ray wafer defect inspection. The global key manufacturers of Wafer Defect Inspection System include KLA Corporation, Applied Materials, ASML, Hitachi High-Tech Corporation, Onto Innovation, Camtek, Skyverse Technology, SCREEN Semiconductor Solutions, Lasertec, NEXTIN, etc. In 2023, the global top 10 players had a share approximately 92.0% in terms of revenue. In Patterned Wafer Defect Inspection Systems segment are dominated by KLA and Applied Materials; Unpatterned Wafer Inspection Systems are dominated by KLA and Hitachi High-Tech Corporation; e-Beam Wafer Defect Review and Classification Systems are dominated by ASML and Applied Materials. The global market for semiconductor was estimated at US\$ 526.8 billion in the year 2023, is projected to US\$ 780.7 billion by 2030. IC Manufacturing is the process used to manufacture semiconductor devices, typically integrated circuits (ICs) such as computer processors, microcontrollers, and memory chips (such as NAND flash and DRAM). According to our research, the global semiconductor manufacturing (wafer fabrication) market is projected to grow from US\$ 251.7 billion in 2023 to US\$ 506.5 billion by 2030, at a Compound Annual Growth Rate (CAGR) of 40.49% during the forecast period. This will drive rapid growth of global Wafer Defect Inspection System.

The global Semiconductor Wafer Defect Inspection Equipment market size was estimated at USD 7661.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 9.60% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Semiconductor Wafer Defect Inspection Equipment market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Semiconductor Wafer Defect Inspection Equipment market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Semiconductor Wafer Defect Inspection Equipment market.

Global Semiconductor Wafer Defect Inspection Equipment Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

KLA Corporation
Applied Materials
Lasertec
Hitachi High-Tech Corporation
ASML
Onto Innovation
Camtek
SCREEN Semiconductor Solutions
Skyverse Technology
Toray Engineering
NEXTIN
Suzhou TZTEK (Muetec)
Microtronic
Bruker
SMEE
Hangzhou Changchuan Technology

Wuhan Jingce Electronic Group
Angkun Vision (Beijing) Technology
Nanotronics
Viontec Group
Hefei Yuwei Semiconductor Technology
Suzhou Secote (Optima)
DJEL
Jiangsu VPTEK
Ever Red New Technology
Confovis
Zhongdao Optoelectronic
Suzhou Xinshi Technology
RSIC scientific instrument (Shanghai)
Gaoshi Technology (Suzhou)

Market Segmentation (by Type)

Patterned Wafer Defect Inspection System
Non-patterned Wafer Defect Inspection System
E-beam Wafer Defect Inspection and Classification System
Wafer Macro Defects Detection and Classification
Wafer Inspection System for Advanced Packaging

Market Segmentation (by Application)

300mm Wafer Size
200mm Wafer Size
Others

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 Semiconductor Wafer Defect Inspection Equipment Market
Overview of the regional outlook of the Semiconductor Wafer Defect Inspection Equipment Market:

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 Semiconductor Wafer Defect Inspection 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 shares the main producing countries of Semiconductor Wafer Defect Inspection Equipment, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

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 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.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Semiconductor Wafer Defect Inspection Equipment
- 1.2 Key Market Segments
 - 1.2.1 Semiconductor Wafer Defect Inspection Equipment Segment by Type
 - 1.2.2 Semiconductor Wafer Defect Inspection 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 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Semiconductor Wafer Defect Inspection Equipment Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Semiconductor Wafer Defect Inspection Equipment Product Life Cycle
- 3.3 Global Semiconductor Wafer Defect Inspection Equipment Sales by Manufacturers (2020-2025)
- 3.4 Global Semiconductor Wafer Defect Inspection Equipment Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Semiconductor Wafer Defect Inspection Equipment Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Semiconductor Wafer Defect Inspection Equipment Average Price by

Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Semiconductor Wafer Defect Inspection Equipment Market Competitive Situation and Trends

3.8.1 Semiconductor Wafer Defect Inspection Equipment Market Concentration Rate

3.8.2 Global 5 and 10 Largest Semiconductor Wafer Defect Inspection Equipment

Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT INDUSTRY CHAIN ANALYSIS

4.1 Semiconductor Wafer Defect Inspection 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 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Semiconductor Wafer Defect Inspection Equipment Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Semiconductor Wafer Defect Inspection Equipment Market

5.7 ESG Ratings of Leading Companies

6 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Type (2020-2025)

6.3 Global Semiconductor Wafer Defect Inspection Equipment Market Size by Type (2020-2025)

6.4 Global Semiconductor Wafer Defect Inspection Equipment Price by Type (2020-2025)

7 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Semiconductor Wafer Defect Inspection Equipment Market Sales by Application (2020-2025)

7.3 Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) by Application (2020-2025)

7.4 Global Semiconductor Wafer Defect Inspection Equipment Sales Growth Rate by Application (2020-2025)

8 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET SALES BY REGION

8.1 Global Semiconductor Wafer Defect Inspection Equipment Sales by Region

8.1.1 Global Semiconductor Wafer Defect Inspection Equipment Sales by Region

8.1.2 Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Region

8.2 Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region

8.2.1 Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region

8.2.2 Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region

8.3 North America

8.3.1 North America Semiconductor Wafer Defect Inspection Equipment Sales by Country

8.3.2 North America Semiconductor Wafer Defect Inspection Equipment Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Semiconductor Wafer Defect Inspection Equipment Sales by Country

8.4.2 Europe Semiconductor Wafer Defect Inspection Equipment Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Semiconductor Wafer Defect Inspection Equipment Sales by Region

8.5.2 Asia Pacific Semiconductor Wafer Defect Inspection Equipment Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Semiconductor Wafer Defect Inspection Equipment Sales by Country

8.6.2 South America Semiconductor Wafer Defect Inspection Equipment Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Sales by Region

8.7.2 Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET PRODUCTION BY REGION

9.1 Global Production of Semiconductor Wafer Defect Inspection Equipment by Region(2020-2025)

9.2 Global Semiconductor Wafer Defect Inspection Equipment Revenue Market Share by Region (2020-2025)

9.3 Global Semiconductor Wafer Defect Inspection Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Semiconductor Wafer Defect Inspection Equipment Production

9.4.1 North America Semiconductor Wafer Defect Inspection Equipment Production Growth Rate (2020-2025)

9.4.2 North America Semiconductor Wafer Defect Inspection Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Semiconductor Wafer Defect Inspection Equipment Production

9.5.1 Europe Semiconductor Wafer Defect Inspection Equipment Production Growth Rate (2020-2025)

9.5.2 Europe Semiconductor Wafer Defect Inspection Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Semiconductor Wafer Defect Inspection Equipment Production (2020-2025)

9.6.1 Japan Semiconductor Wafer Defect Inspection Equipment Production Growth Rate (2020-2025)

9.6.2 Japan Semiconductor Wafer Defect Inspection Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Semiconductor Wafer Defect Inspection Equipment Production (2020-2025)

9.7.1 China Semiconductor Wafer Defect Inspection Equipment Production Growth Rate (2020-2025)

9.7.2 China Semiconductor Wafer Defect Inspection Equipment Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 KLA Corporation

10.1.1 KLA Corporation Basic Information

10.1.2 KLA Corporation Semiconductor Wafer Defect Inspection Equipment Product Overview

10.1.3 KLA Corporation Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.1.4 KLA Corporation Business Overview

10.1.5 KLA Corporation SWOT Analysis

10.1.6 KLA Corporation Recent Developments

10.2 Applied Materials

10.2.1 Applied Materials Basic Information

10.2.2 Applied Materials Semiconductor Wafer Defect Inspection Equipment Product Overview

10.2.3 Applied Materials Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.2.4 Applied Materials Business Overview

10.2.5 Applied Materials SWOT Analysis

10.2.6 Applied Materials Recent Developments

10.3 Lasertec

10.3.1 Lasertec Basic Information

10.3.2 Lasertec Semiconductor Wafer Defect Inspection Equipment Product Overview

10.3.3 Lasertec Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.3.4 Lasertec Business Overview

10.3.5 Lasertec SWOT Analysis

10.3.6 Lasertec Recent Developments

10.4 Hitachi High-Tech Corporation

10.4.1 Hitachi High-Tech Corporation Basic Information

10.4.2 Hitachi High-Tech Corporation Semiconductor Wafer Defect Inspection Equipment Product Overview

10.4.3 Hitachi High-Tech Corporation Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.4.4 Hitachi High-Tech Corporation Business Overview

10.4.5 Hitachi High-Tech Corporation Recent Developments

10.5 ASML

10.5.1 ASML Basic Information

10.5.2 ASML Semiconductor Wafer Defect Inspection Equipment Product Overview

10.5.3 ASML Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.5.4 ASML Business Overview

10.5.5 ASML Recent Developments

10.6 Onto Innovation

10.6.1 Onto Innovation Basic Information

10.6.2 Onto Innovation Semiconductor Wafer Defect Inspection Equipment Product Overview

10.6.3 Onto Innovation Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.6.4 Onto Innovation Business Overview

10.6.5 Onto Innovation Recent Developments

10.7 Camtek

10.7.1 Camtek Basic Information

10.7.2 Camtek Semiconductor Wafer Defect Inspection Equipment Product Overview

10.7.3 Camtek Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.7.4 Camtek Business Overview

10.7.5 Camtek Recent Developments

10.8 SCREEN Semiconductor Solutions

10.8.1 SCREEN Semiconductor Solutions Basic Information

10.8.2 SCREEN Semiconductor Solutions Semiconductor Wafer Defect Inspection Equipment Product Overview

10.8.3 SCREEN Semiconductor Solutions Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.8.4 SCREEN Semiconductor Solutions Business Overview

10.8.5 SCREEN Semiconductor Solutions Recent Developments

10.9 Skyverse Technology

10.9.1 Skyverse Technology Basic Information

10.9.2 Skyverse Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

10.9.3 Skyverse Technology Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.9.4 Skyverse Technology Business Overview

10.9.5 Skyverse Technology Recent Developments

10.10 Toray Engineering

10.10.1 Toray Engineering Basic Information

10.10.2 Toray Engineering Semiconductor Wafer Defect Inspection Equipment Product Overview

10.10.3 Toray Engineering Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.10.4 Toray Engineering Business Overview

10.10.5 Toray Engineering Recent Developments

10.11 NEXTIN

10.11.1 NEXTIN Basic Information

- 10.11.2 NEXTIN Semiconductor Wafer Defect Inspection Equipment Product Overview
- 10.11.3 NEXTIN Semiconductor Wafer Defect Inspection Equipment Product Market Performance
- 10.11.4 NEXTIN Business Overview
- 10.11.5 NEXTIN Recent Developments
- 10.12 Suzhou TZTEK (Muetec)
 - 10.12.1 Suzhou TZTEK (Muetec) Basic Information
 - 10.12.2 Suzhou TZTEK (Muetec) Semiconductor Wafer Defect Inspection Equipment Product Overview
 - 10.12.3 Suzhou TZTEK (Muetec) Semiconductor Wafer Defect Inspection Equipment Product Market Performance
 - 10.12.4 Suzhou TZTEK (Muetec) Business Overview
 - 10.12.5 Suzhou TZTEK (Muetec) Recent Developments
- 10.13 Microtronic
 - 10.13.1 Microtronic Basic Information
 - 10.13.2 Microtronic Semiconductor Wafer Defect Inspection Equipment Product Overview
 - 10.13.3 Microtronic Semiconductor Wafer Defect Inspection Equipment Product Market Performance
 - 10.13.4 Microtronic Business Overview
 - 10.13.5 Microtronic Recent Developments
- 10.14 Bruker
 - 10.14.1 Bruker Basic Information
 - 10.14.2 Bruker Semiconductor Wafer Defect Inspection Equipment Product Overview
 - 10.14.3 Bruker Semiconductor Wafer Defect Inspection Equipment Product Market Performance
 - 10.14.4 Bruker Business Overview
 - 10.14.5 Bruker Recent Developments
- 10.15 SMEE
 - 10.15.1 SMEE Basic Information
 - 10.15.2 SMEE Semiconductor Wafer Defect Inspection Equipment Product Overview
 - 10.15.3 SMEE Semiconductor Wafer Defect Inspection Equipment Product Market Performance
 - 10.15.4 SMEE Business Overview
 - 10.15.5 SMEE Recent Developments
- 10.16 Hangzhou Changchuan Technology
 - 10.16.1 Hangzhou Changchuan Technology Basic Information
 - 10.16.2 Hangzhou Changchuan Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

10.16.3 Hangzhou Changchuan Technology Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.16.4 Hangzhou Changchuan Technology Business Overview

10.16.5 Hangzhou Changchuan Technology Recent Developments

10.17 Wuhan Jingce Electronic Group

10.17.1 Wuhan Jingce Electronic Group Basic Information

10.17.2 Wuhan Jingce Electronic Group Semiconductor Wafer Defect Inspection Equipment Product Overview

10.17.3 Wuhan Jingce Electronic Group Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.17.4 Wuhan Jingce Electronic Group Business Overview

10.17.5 Wuhan Jingce Electronic Group Recent Developments

10.18 Angkun Vision (Beijing) Technology

10.18.1 Angkun Vision (Beijing) Technology Basic Information

10.18.2 Angkun Vision (Beijing) Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

10.18.3 Angkun Vision (Beijing) Technology Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.18.4 Angkun Vision (Beijing) Technology Business Overview

10.18.5 Angkun Vision (Beijing) Technology Recent Developments

10.19 Nanotronics

10.19.1 Nanotronics Basic Information

10.19.2 Nanotronics Semiconductor Wafer Defect Inspection Equipment Product Overview

10.19.3 Nanotronics Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.19.4 Nanotronics Business Overview

10.19.5 Nanotronics Recent Developments

10.20 Visiontec Group

10.20.1 Visiontec Group Basic Information

10.20.2 Visiontec Group Semiconductor Wafer Defect Inspection Equipment Product Overview

10.20.3 Visiontec Group Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.20.4 Visiontec Group Business Overview

10.20.5 Visiontec Group Recent Developments

10.21 Hefei Yuwei Semiconductor Technology

10.21.1 Hefei Yuwei Semiconductor Technology Basic Information

10.21.2 Hefei Yuwei Semiconductor Technology Semiconductor Wafer Defect

Inspection Equipment Product Overview

10.21.3 Hefei Yuwei Semiconductor Technology Semiconductor Wafer Defect

Inspection Equipment Product Market Performance

10.21.4 Hefei Yuwei Semiconductor Technology Business Overview

10.21.5 Hefei Yuwei Semiconductor Technology Recent Developments

10.22 Suzhou Secote (Optima)

10.22.1 Suzhou Secote (Optima) Basic Information

10.22.2 Suzhou Secote (Optima) Semiconductor Wafer Defect Inspection Equipment Product Overview

10.22.3 Suzhou Secote (Optima) Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.22.4 Suzhou Secote (Optima) Business Overview

10.22.5 Suzhou Secote (Optima) Recent Developments

10.23 DJEL

10.23.1 DJEL Basic Information

10.23.2 DJEL Semiconductor Wafer Defect Inspection Equipment Product Overview

10.23.3 DJEL Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.23.4 DJEL Business Overview

10.23.5 DJEL Recent Developments

10.24 Jiangsu VPTEK

10.24.1 Jiangsu VPTEK Basic Information

10.24.2 Jiangsu VPTEK Semiconductor Wafer Defect Inspection Equipment Product Overview

10.24.3 Jiangsu VPTEK Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.24.4 Jiangsu VPTEK Business Overview

10.24.5 Jiangsu VPTEK Recent Developments

10.25 Ever Red New Technology

10.25.1 Ever Red New Technology Basic Information

10.25.2 Ever Red New Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

10.25.3 Ever Red New Technology Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.25.4 Ever Red New Technology Business Overview

10.25.5 Ever Red New Technology Recent Developments

10.26 Confovis

10.26.1 Confovis Basic Information

10.26.2 Confovis Semiconductor Wafer Defect Inspection Equipment Product

Overview

10.26.3 Confovis Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.26.4 Confovis Business Overview

10.26.5 Confovis Recent Developments

10.27 Zhongdao Optoelectronic

10.27.1 Zhongdao Optoelectronic Basic Information

10.27.2 Zhongdao Optoelectronic Semiconductor Wafer Defect Inspection Equipment Product Overview

10.27.3 Zhongdao Optoelectronic Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.27.4 Zhongdao Optoelectronic Business Overview

10.27.5 Zhongdao Optoelectronic Recent Developments

10.28 Suzhou Xinshi Technology

10.28.1 Suzhou Xinshi Technology Basic Information

10.28.2 Suzhou Xinshi Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

10.28.3 Suzhou Xinshi Technology Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.28.4 Suzhou Xinshi Technology Business Overview

10.28.5 Suzhou Xinshi Technology Recent Developments

10.29 RSIC scientific instrument (Shanghai)

10.29.1 RSIC scientific instrument (Shanghai) Basic Information

10.29.2 RSIC scientific instrument (Shanghai) Semiconductor Wafer Defect Inspection Equipment Product Overview

10.29.3 RSIC scientific instrument (Shanghai) Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.29.4 RSIC scientific instrument (Shanghai) Business Overview

10.29.5 RSIC scientific instrument (Shanghai) Recent Developments

10.30 Gaoshi Technology (Suzhou)

10.30.1 Gaoshi Technology (Suzhou) Basic Information

10.30.2 Gaoshi Technology (Suzhou) Semiconductor Wafer Defect Inspection Equipment Product Overview

10.30.3 Gaoshi Technology (Suzhou) Semiconductor Wafer Defect Inspection Equipment Product Market Performance

10.30.4 Gaoshi Technology (Suzhou) Business Overview

10.30.5 Gaoshi Technology (Suzhou) Recent Developments

11 SEMICONDUCTOR WAFER DEFECT INSPECTION EQUIPMENT MARKET

FORECAST BY REGION

11.1 Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast

11.2 Global Semiconductor Wafer Defect Inspection Equipment Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country

11.2.3 Asia Pacific Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Region

11.2.4 South America Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Semiconductor Wafer Defect Inspection Equipment by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Semiconductor Wafer Defect Inspection Equipment Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Semiconductor Wafer Defect Inspection Equipment by Type (2026-2035)

12.1.2 Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Semiconductor Wafer Defect Inspection Equipment by Type (2026-2035)

12.2 Global Semiconductor Wafer Defect Inspection Equipment Market Forecast by Application (2026-2035)

12.2.1 Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) Forecast by Application

12.2.2 Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Type (M USD)

Table 4. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Application

Table 5. Semiconductor Wafer Defect Inspection Equipment Market Size Comparison by Region (M USD)

Table 6. Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Semiconductor Wafer Defect Inspection Equipment Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Semiconductor Wafer Defect Inspection Equipment Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Semiconductor Wafer Defect Inspection Equipment as of 2025)

Table 11. Global Market Semiconductor Wafer Defect Inspection Equipment Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Semiconductor Wafer Defect Inspection Equipment Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

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. Semiconductor Wafer Defect Inspection Equipment Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading

Countries

Table 26. Global Semiconductor Wafer Defect Inspection Equipment Sales by Type (K Units)

Table 27. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Type (M USD)

Table 28. Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) by Type (2020-2025)

Table 29. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Type (2020-2025)

Table 30. Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) by Type (2020-2025)

Table 31. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Type (2020-2025)

Table 32. Global Semiconductor Wafer Defect Inspection Equipment Price (USD/Unit) by Type (2020-2025)

Table 33. Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) by Application

Table 34. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Application

Table 35. Global Semiconductor Wafer Defect Inspection Equipment Sales by Application (2020-2025) & (K Units)

Table 36. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Application (2020-2025)

Table 37. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Application (2020-2025) & (M USD)

Table 38. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Application (2020-2025)

Table 39. Global Semiconductor Wafer Defect Inspection Equipment Sales Growth Rate by Application (2020-2025)

Table 40. Global Semiconductor Wafer Defect Inspection Equipment Sales by Region (2020-2025) & (K Units)

Table 41. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Region (2020-2025)

Table 42. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region (2020-2025) & (M USD)

Table 43. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region (2020-2025)

Table 44. North America Semiconductor Wafer Defect Inspection Equipment Sales by Country (2020-2025) & (K Units)

Table 45. North America Semiconductor Wafer Defect Inspection Equipment Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Semiconductor Wafer Defect Inspection Equipment Sales by Country (2020-2025) & (K Units)

Table 47. Europe Semiconductor Wafer Defect Inspection Equipment Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Market Size by Region (2020-2025) & (M USD)

Table 50. South America Semiconductor Wafer Defect Inspection Equipment Sales by Country (2020-2025) & (K Units)

Table 51. South America Semiconductor Wafer Defect Inspection Equipment Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Market Size by Region (2020-2025) & (M USD)

Table 54. Global Semiconductor Wafer Defect Inspection Equipment Production (K Units) by Region(2020-2025)

Table 55. Global Semiconductor Wafer Defect Inspection Equipment Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Semiconductor Wafer Defect Inspection Equipment Revenue Market Share by Region (2020-2025)

Table 57. Global Semiconductor Wafer Defect Inspection Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Semiconductor Wafer Defect Inspection Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Semiconductor Wafer Defect Inspection Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Semiconductor Wafer Defect Inspection Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Semiconductor Wafer Defect Inspection Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. KLA Corporation Basic Information

Table 63. KLA Corporation Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 64. KLA Corporation Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. KLA Corporation Business Overview

Table 66. KLA Corporation SWOT Analysis

Table 67. KLA Corporation Recent Developments

Table 68. Applied Materials Basic Information

Table 69. Applied Materials Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 70. Applied Materials Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. Applied Materials Business Overview

Table 72. Applied Materials SWOT Analysis

Table 73. Applied Materials Recent Developments

Table 74. Lasertec Basic Information

Table 75. Lasertec Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 76. Lasertec Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Lasertec Business Overview

Table 78. Lasertec SWOT Analysis

Table 79. Lasertec Recent Developments

Table 80. Hitachi High-Tech Corporation Basic Information

Table 81. Hitachi High-Tech Corporation Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 82. Hitachi High-Tech Corporation Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Hitachi High-Tech Corporation Business Overview

Table 84. Hitachi High-Tech Corporation Recent Developments

Table 85. ASML Basic Information

Table 86. ASML Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 87. ASML Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. ASML Business Overview

Table 89. ASML Recent Developments

Table 90. Onto Innovation Basic Information

Table 91. Onto Innovation Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 92. Onto Innovation Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. Onto Innovation Business Overview

Table 94. Onto Innovation Recent Developments

Table 95. Camtek Basic Information

Table 96. Camtek Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 97. Camtek Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. Camtek Business Overview

Table 99. Camtek Recent Developments

Table 100. SCREEN Semiconductor Solutions Basic Information

Table 101. SCREEN Semiconductor Solutions Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 102. SCREEN Semiconductor Solutions Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. SCREEN Semiconductor Solutions Business Overview

Table 104. SCREEN Semiconductor Solutions Recent Developments

Table 105. Skyverse Technology Basic Information

Table 106. Skyverse Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 107. Skyverse Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Skyverse Technology Business Overview

Table 109. Skyverse Technology Recent Developments

Table 110. Toray Engineering Basic Information

Table 111. Toray Engineering Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 112. Toray Engineering Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Toray Engineering Business Overview

Table 114. Toray Engineering Recent Developments

Table 115. NEXTIN Basic Information

Table 116. NEXTIN Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 117. NEXTIN Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. NEXTIN Business Overview

Table 119. NEXTIN Recent Developments

Table 120. Suzhou TZTEK (Muetec) Basic Information

Table 121. Suzhou TZTEK (Muetec) Semiconductor Wafer Defect Inspection

Equipment Product Overview

Table 122. Suzhou TZTEK (Muetec) Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. Suzhou TZTEK (Muetec) Business Overview

Table 124. Suzhou TZTEK (Muetec) Recent Developments

Table 125. Microtronic Basic Information

Table 126. Microtronic Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 127. Microtronic Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Microtronic Business Overview

Table 129. Microtronic Recent Developments

Table 130. Bruker Basic Information

Table 131. Bruker Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 132. Bruker Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 133. Bruker Business Overview

Table 134. Bruker Recent Developments

Table 135. SMEE Basic Information

Table 136. SMEE Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 137. SMEE Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 138. SMEE Business Overview

Table 139. SMEE Recent Developments

Table 140. Hangzhou Changchuan Technology Basic Information

Table 141. Hangzhou Changchuan Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 142. Hangzhou Changchuan Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 143. Hangzhou Changchuan Technology Business Overview

Table 144. Hangzhou Changchuan Technology Recent Developments

Table 145. Wuhan Jingce Electronic Group Basic Information

Table 146. Wuhan Jingce Electronic Group Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 147. Wuhan Jingce Electronic Group Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin

(2020-2025)

Table 148. Wuhan Jingce Electronic Group Business Overview

Table 149. Wuhan Jingce Electronic Group Recent Developments

Table 150. Angkun Vision (Beijing) Technology Basic Information

Table 151. Angkun Vision (Beijing) Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 152. Angkun Vision (Beijing) Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 153. Angkun Vision (Beijing) Technology Business Overview

Table 154. Angkun Vision (Beijing) Technology Recent Developments

Table 155. Nanotronics Basic Information

Table 156. Nanotronics Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 157. Nanotronics Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 158. Nanotronics Business Overview

Table 159. Nanotronics Recent Developments

Table 160. Visiontec Group Basic Information

Table 161. Visiontec Group Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 162. Visiontec Group Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 163. Visiontec Group Business Overview

Table 164. Visiontec Group Recent Developments

Table 165. Hefei Yuwei Semiconductor Technology Basic Information

Table 166. Hefei Yuwei Semiconductor Technology Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 167. Hefei Yuwei Semiconductor Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 168. Hefei Yuwei Semiconductor Technology Business Overview

Table 169. Hefei Yuwei Semiconductor Technology Recent Developments

Table 170. Suzhou Secote (Optima) Basic Information

Table 171. Suzhou Secote (Optima) Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 172. Suzhou Secote (Optima) Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 173. Suzhou Secote (Optima) Business Overview

Table 174. Suzhou Secote (Optima) Recent Developments
Table 175. DJEL Basic Information
Table 176. DJEL Semiconductor Wafer Defect Inspection Equipment Product Overview
Table 177. DJEL Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 178. DJEL Business Overview
Table 179. DJEL Recent Developments
Table 180. Jiangsu VPTEK Basic Information
Table 181. Jiangsu VPTEK Semiconductor Wafer Defect Inspection Equipment Product Overview
Table 182. Jiangsu VPTEK Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 183. Jiangsu VPTEK Business Overview
Table 184. Jiangsu VPTEK Recent Developments
Table 185. Ever Red New Technology Basic Information
Table 186. Ever Red New Technology Semiconductor Wafer Defect Inspection Equipment Product Overview
Table 187. Ever Red New Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 188. Ever Red New Technology Business Overview
Table 189. Ever Red New Technology Recent Developments
Table 190. Confovis Basic Information
Table 191. Confovis Semiconductor Wafer Defect Inspection Equipment Product Overview
Table 192. Confovis Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 193. Confovis Business Overview
Table 194. Confovis Recent Developments
Table 195. Zhongdao Optoelectronic Basic Information
Table 196. Zhongdao Optoelectronic Semiconductor Wafer Defect Inspection Equipment Product Overview
Table 197. Zhongdao Optoelectronic Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 198. Zhongdao Optoelectronic Business Overview
Table 199. Zhongdao Optoelectronic Recent Developments
Table 200. Suzhou Xinshi Technology Basic Information
Table 201. Suzhou Xinshi Technology Semiconductor Wafer Defect Inspection

Equipment Product Overview

Table 202. Suzhou Xinshi Technology Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 203. Suzhou Xinshi Technology Business Overview

Table 204. Suzhou Xinshi Technology Recent Developments

Table 205. RSIC scientific instrument (Shanghai) Basic Information

Table 206. RSIC scientific instrument (Shanghai) Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 207. RSIC scientific instrument (Shanghai) Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 208. RSIC scientific instrument (Shanghai) Business Overview

Table 209. RSIC scientific instrument (Shanghai) Recent Developments

Table 210. Gaoshi Technology (Suzhou) Basic Information

Table 211. Gaoshi Technology (Suzhou) Semiconductor Wafer Defect Inspection Equipment Product Overview

Table 212. Gaoshi Technology (Suzhou) Semiconductor Wafer Defect Inspection Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 213. Gaoshi Technology (Suzhou) Business Overview

Table 214. Gaoshi Technology (Suzhou) Recent Developments

Table 215. Global Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Region (2026-2035) & (K Units)

Table 216. Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Region (2026-2035) & (M USD)

Table 217. North America Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Country (2026-2035) & (K Units)

Table 218. North America Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country (2026-2035) & (M USD)

Table 219. Europe Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Country (2026-2035) & (K Units)

Table 220. Europe Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country (2026-2035) & (M USD)

Table 221. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Region (2026-2035) & (K Units)

Table 222. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Region (2026-2035) & (M USD)

Table 223. South America Semiconductor Wafer Defect Inspection Equipment Sales

Forecast by Country (2026-2035) & (K Units)

Table 224. South America Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country (2026-2035) & (M USD)

Table 225. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Country (2026-2035) & (Units)

Table 226. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Country (2026-2035) & (M USD)

Table 227. Global Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Type (2026-2035) & (K Units)

Table 228. Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Type (2026-2035) & (M USD)

Table 229. Global Semiconductor Wafer Defect Inspection Equipment Price Forecast by Type (2026-2035) & (USD/Unit)

Table 230. Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) Forecast by Application (2026-2035)

Table 231. Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Semiconductor Wafer Defect Inspection Equipment
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD), 2025-2035
- Figure 5. Global Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) (2020-2035)
- Figure 6. Global Semiconductor Wafer Defect Inspection Equipment Sales (K Units) & (2020-2035)
- 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. Semiconductor Wafer Defect Inspection Equipment Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Semiconductor Wafer Defect Inspection Equipment Product Life Cycle
- Figure 13. Semiconductor Wafer Defect Inspection Equipment Sales Share by Manufacturers in 2025
- Figure 14. Global Semiconductor Wafer Defect Inspection Equipment Revenue Share by Manufacturers in 2025
- Figure 15. Semiconductor Wafer Defect Inspection Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Semiconductor Wafer Defect Inspection Equipment Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Semiconductor Wafer Defect Inspection Equipment Revenue in 2025
- Figure 18. Industry Chain Map of Semiconductor Wafer Defect Inspection Equipment
- Figure 19. Global Semiconductor Wafer Defect Inspection Equipment Market PEST Analysis
- Figure 20. Global Semiconductor Wafer Defect Inspection Equipment Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Type

Figure 27. Sales Market Share of Semiconductor Wafer Defect Inspection Equipment by Type (2020-2025)

Figure 28. Sales Market Share of Semiconductor Wafer Defect Inspection Equipment by Type in 2025

Figure 29. Market Share of Semiconductor Wafer Defect Inspection Equipment by Type (2020-2025)

Figure 30. Market Share of Semiconductor Wafer Defect Inspection Equipment by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Application

Figure 33. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Application (2020-2025)

Figure 34. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Application in 2025

Figure 35. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Application (2020-2025)

Figure 36. Global Semiconductor Wafer Defect Inspection Equipment Market Share by Application in 2025

Figure 37. Global Semiconductor Wafer Defect Inspection Equipment Sales Growth Rate by Application (2020-2025)

Figure 38. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Region (2020-2025)

Figure 39. Global Semiconductor Wafer Defect Inspection Equipment Market Size by Region (2020-2025)

Figure 40. North America Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Country in 2024

Figure 43. North America Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Semiconductor Wafer Defect Inspection Equipment Market Size by Country in 2024

Figure 45. U.S. Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Semiconductor Wafer Defect Inspection Equipment Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Semiconductor Wafer Defect Inspection Equipment Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Semiconductor Wafer Defect Inspection Equipment Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Semiconductor Wafer Defect Inspection Equipment Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Country in 2024

Figure 53. Europe Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Semiconductor Wafer Defect Inspection Equipment Market Size by Country in 2024

Figure 55. Germany Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Semiconductor Wafer Defect Inspection Equipment Market Size and

Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Region in 2024

Figure 67. Asia Pacific Semiconductor Wafer Defect Inspection Equipment Market Size by Region in 2024

Figure 68. China Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (K Units)

Figure 79. South America Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Country in 2024

Figure 80. South America Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (M USD)

Figure 81. South America Semiconductor Wafer Defect Inspection Equipment Market Size by Country in 2024

Figure 82. Brazil Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Semiconductor Wafer Defect Inspection Equipment Market Size by Region in 2024

Figure 92. Saudi Arabia Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Semiconductor Wafer Defect Inspection Equipment Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Semiconductor Wafer Defect Inspection Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Semiconductor Wafer Defect Inspection Equipment Production Market Share by Region (2020-2025)

Figure 103. North America Semiconductor Wafer Defect Inspection Equipment

Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Semiconductor Wafer Defect Inspection Equipment Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Semiconductor Wafer Defect Inspection Equipment Production (K Units) Growth Rate (2020-2025)

Figure 106. China Semiconductor Wafer Defect Inspection Equipment Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Semiconductor Wafer Defect Inspection Equipment Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Semiconductor Wafer Defect Inspection Equipment Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Semiconductor Wafer Defect Inspection Equipment Market Share Forecast by Type (2026-2035)

Figure 111. Global Semiconductor Wafer Defect Inspection Equipment Sales Forecast by Application (2026-2035)

Figure 112. Global Semiconductor Wafer Defect Inspection Equipment Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global Semiconductor Wafer Defect Inspection Equipment Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/G99ADC5B8533EN.html>

Price: US\$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G99ADC5B8533EN.html>