

Global Semiconductor Metrology and Inspection Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GC70F2005A96EN.html>

Date: January 2026

Pages: 133

Price: US\$ 3,480.00 (Single User License)

ID: GC70F2005A96EN

Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Metrology and Inspection market size was valued at US\$ 19780 million in 2025 and is forecast to a readjusted size of US\$ 39540 million by 2032 with a CAGR of 10.5% during review period.

Semiconductor Metrology and Inspection are important for the management of the semiconductor manufacturing process. There are 400 to 600 steps in the overall manufacturing process of semiconductor wafers, which are undertaken in the course of one to two months. If any defects occur early on in the process, all the work undertaken in the subsequent time-consuming steps will be wasted. The main segment in the report includes mask inspection, film inspection, optical inspection, wafer defect inspection, macro defect inspection and image wafer inspection, etc.

At present, the global semiconductor metrology and inspection equipment (Semiconductor Metrology and Inspection) market is mainly occupied by well-known companies in the United States, Japan and other countries, such as KLA and AMAT in the United States, and Hitachi High-Technologies in Japan. These companies have obvious advantages in technology, brand, market and other aspects, and occupy a large share of the global market.

In recent years, with the rapid development of China's semiconductor industry and the support of national policies, Chinese semiconductor measurement and inspection equipment companies have also begun to emerge.

The Asia-Pacific region is the largest market, accounting for about 80%; followed by

North America and Europe, accounting for about 12% and 7% respectively. In terms of product categories, defect detection equipment products account for the largest proportion, accounting for about 58%. In terms of product applications, it is mainly used in wafers, followed by masks.

Market development trend

Technology upgrade: With the continuous development of semiconductor technology, the requirements for measurement and inspection technology are also getting higher and higher. In the future, with the popularization and application of technologies such as 5G, Internet of Things, and artificial intelligence, semiconductor metrology and inspection equipment will develop towards higher precision, higher speed, and higher intelligence.

Market demand growth: With the continuous growth of the global semiconductor market and the rapid development of emerging fields such as new energy vehicles and intelligent manufacturing, the demand for semiconductor metrology and inspection equipment will continue to grow.

In summary, the semiconductor metrology and inspection market has broad development prospects and huge market potential. In the future, with the continuous advancement of technology and the continuous expansion of the market, the market will usher in more development opportunities and challenges.

This report is a detailed and comprehensive analysis for global Semiconductor Metrology and Inspection market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Semiconductor Metrology and Inspection market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Semiconductor Metrology and Inspection market size and forecasts by region

and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Semiconductor Metrology and Inspection market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Semiconductor Metrology and Inspection market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Semiconductor Metrology and Inspection
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Semiconductor Metrology and Inspection market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KLA Corporation, Applied Materials, Hitachi High-Technologies, ASML, Onto Innovation, Lasertec, SCREEN Semiconductor Solutions, ZEISS, Camtek, Toray Engineering, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Semiconductor Metrology and Inspection market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Defect Inspection Equipment

Metrology Equipment

Market segment by Process Stages

Front-end Process

Mid-end Process

Back-end Process

Market segment by Technology

Optics

Electron Beam

Other

Market segment by Application

Wafer

Mask/Film

Others

Major players covered

KLA Corporation

Applied Materials

Hitachi High-Technologies

ASML

Onto Innovation

Lasertec

SCREEN Semiconductor Solutions

ZEISS

Camtek

Toray Engineering

Muetec

Merck

Microtronic

RSIC

Nova

Skyverse

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (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 Semiconductor Metrology and Inspection product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Metrology and Inspection, with price, sales quantity, revenue, and global market share of Semiconductor Metrology and Inspection from 2021 to 2026.

Chapter 3, the Semiconductor Metrology and Inspection competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Metrology and Inspection breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Semiconductor Metrology and Inspection market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Semiconductor Metrology and Inspection.

Chapter 14 and 15, to describe Semiconductor Metrology and Inspection sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Semiconductor Metrology and Inspection Consumption Value by Type: 2021 Versus 2025 Versus 2032
 - 1.3.2 Defect Inspection Equipment
 - 1.3.3 Metrology Equipment
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Semiconductor Metrology and Inspection Consumption Value by Application: 2021 Versus 2025 Versus 2032
 - 1.4.2 Wafer
 - 1.4.3 Mask/Film
 - 1.4.4 Others
- 1.5 Global Semiconductor Metrology and Inspection Market Size & Forecast
 - 1.5.1 Global Semiconductor Metrology and Inspection Consumption Value (2021 & 2025 & 2032)
 - 1.5.2 Global Semiconductor Metrology and Inspection Sales Quantity (2021-2032)
 - 1.5.3 Global Semiconductor Metrology and Inspection Average Price (2021-2032)

2 MANUFACTURERS PROFILES

- 2.1 KLA Corporation
 - 2.1.1 KLA Corporation Details
 - 2.1.2 KLA Corporation Major Business
 - 2.1.3 KLA Corporation Semiconductor Metrology and Inspection Product and Services
 - 2.1.4 KLA Corporation Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.1.5 KLA Corporation Recent Developments/Updates
- 2.2 Applied Materials
 - 2.2.1 Applied Materials Details
 - 2.2.2 Applied Materials Major Business
 - 2.2.3 Applied Materials Semiconductor Metrology and Inspection Product and Services
 - 2.2.4 Applied Materials Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Applied Materials Recent Developments/Updates

2.3 Hitachi High-Technologies

2.3.1 Hitachi High-Technologies Details

2.3.2 Hitachi High-Technologies Major Business

2.3.3 Hitachi High-Technologies Semiconductor Metrology and Inspection Product and Services

2.3.4 Hitachi High-Technologies Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Hitachi High-Technologies Recent Developments/Updates

2.4 ASML

2.4.1 ASML Details

2.4.2 ASML Major Business

2.4.3 ASML Semiconductor Metrology and Inspection Product and Services

2.4.4 ASML Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 ASML Recent Developments/Updates

2.5 Onto Innovation

2.5.1 Onto Innovation Details

2.5.2 Onto Innovation Major Business

2.5.3 Onto Innovation Semiconductor Metrology and Inspection Product and Services

2.5.4 Onto Innovation Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Onto Innovation Recent Developments/Updates

2.6 Lasertec

2.6.1 Lasertec Details

2.6.2 Lasertec Major Business

2.6.3 Lasertec Semiconductor Metrology and Inspection Product and Services

2.6.4 Lasertec Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Lasertec Recent Developments/Updates

2.7 SCREEN Semiconductor Solutions

2.7.1 SCREEN Semiconductor Solutions Details

2.7.2 SCREEN Semiconductor Solutions Major Business

2.7.3 SCREEN Semiconductor Solutions Semiconductor Metrology and Inspection Product and Services

2.7.4 SCREEN Semiconductor Solutions Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 SCREEN Semiconductor Solutions Recent Developments/Updates

2.8 ZEISS

2.8.1 ZEISS Details

- 2.8.2 ZEISS Major Business
- 2.8.3 ZEISS Semiconductor Metrology and Inspection Product and Services
- 2.8.4 ZEISS Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.8.5 ZEISS Recent Developments/Updates
- 2.9 Camtek
 - 2.9.1 Camtek Details
 - 2.9.2 Camtek Major Business
 - 2.9.3 Camtek Semiconductor Metrology and Inspection Product and Services
 - 2.9.4 Camtek Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Camtek Recent Developments/Updates
- 2.10 Toray Engineering
 - 2.10.1 Toray Engineering Details
 - 2.10.2 Toray Engineering Major Business
 - 2.10.3 Toray Engineering Semiconductor Metrology and Inspection Product and Services
 - 2.10.4 Toray Engineering Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Toray Engineering Recent Developments/Updates
- 2.11 Muetec
 - 2.11.1 Muetec Details
 - 2.11.2 Muetec Major Business
 - 2.11.3 Muetec Semiconductor Metrology and Inspection Product and Services
 - 2.11.4 Muetec Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.11.5 Muetec Recent Developments/Updates
- 2.12 Unity Semiconductor SAS
 - 2.12.1 Unity Semiconductor SAS Details
 - 2.12.2 Unity Semiconductor SAS Major Business
 - 2.12.3 Unity Semiconductor SAS Semiconductor Metrology and Inspection Product and Services
 - 2.12.4 Unity Semiconductor SAS Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.12.5 Unity Semiconductor SAS Recent Developments/Updates
- 2.13 Microtronic
 - 2.13.1 Microtronic Details
 - 2.13.2 Microtronic Major Business
 - 2.13.3 Microtronic Semiconductor Metrology and Inspection Product and Services

2.13.4 Microtronic Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Microtronic Recent Developments/Updates

2.14 RSIC

2.14.1 RSIC Details

2.14.2 RSIC Major Business

2.14.3 RSIC Semiconductor Metrology and Inspection Product and Services

2.14.4 RSIC Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 RSIC Recent Developments/Updates

2.15 Nova

2.15.1 Nova Details

2.15.2 Nova Major Business

2.15.3 Nova Semiconductor Metrology and Inspection Product and Services

2.15.4 Nova Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Nova Recent Developments/Updates

2.16 Skyverse

2.16.1 Skyverse Details

2.16.2 Skyverse Major Business

2.16.3 Skyverse Semiconductor Metrology and Inspection Product and Services

2.16.4 Skyverse Semiconductor Metrology and Inspection Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.16.5 Skyverse Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SEMICONDUCTOR METROLOGY AND INSPECTION BY MANUFACTURER

3.1 Global Semiconductor Metrology and Inspection Sales Quantity by Manufacturer (2021-2026)

3.2 Global Semiconductor Metrology and Inspection Revenue by Manufacturer (2021-2026)

3.3 Global Semiconductor Metrology and Inspection Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Semiconductor Metrology and Inspection by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Semiconductor Metrology and Inspection Manufacturer Market Share in 2025

3.4.3 Top 6 Semiconductor Metrology and Inspection Manufacturer Market Share in 2025

3.5 Semiconductor Metrology and Inspection Market: Overall Company Footprint Analysis

3.5.1 Semiconductor Metrology and Inspection Market: Region Footprint

3.5.2 Semiconductor Metrology and Inspection Market: Company Product Type Footprint

3.5.3 Semiconductor Metrology and Inspection Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Semiconductor Metrology and Inspection Market Size by Region

4.1.1 Global Semiconductor Metrology and Inspection Sales Quantity by Region (2021-2032)

4.1.2 Global Semiconductor Metrology and Inspection Consumption Value by Region (2021-2032)

4.1.3 Global Semiconductor Metrology and Inspection Average Price by Region (2021-2032)

4.2 North America Semiconductor Metrology and Inspection Consumption Value (2021-2032)

4.3 Europe Semiconductor Metrology and Inspection Consumption Value (2021-2032)

4.4 Asia-Pacific Semiconductor Metrology and Inspection Consumption Value (2021-2032)

4.5 South America Semiconductor Metrology and Inspection Consumption Value (2021-2032)

4.6 Middle East & Africa Semiconductor Metrology and Inspection Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

5.2 Global Semiconductor Metrology and Inspection Consumption Value by Type (2021-2032)

5.3 Global Semiconductor Metrology and Inspection Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

6.2 Global Semiconductor Metrology and Inspection Consumption Value by Application (2021-2032)

6.3 Global Semiconductor Metrology and Inspection Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

7.2 North America Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

7.3 North America Semiconductor Metrology and Inspection Market Size by Country

7.3.1 North America Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2032)

7.3.2 North America Semiconductor Metrology and Inspection Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

8.2 Europe Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

8.3 Europe Semiconductor Metrology and Inspection Market Size by Country

8.3.1 Europe Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2032)

8.3.2 Europe Semiconductor Metrology and Inspection Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Semiconductor Metrology and Inspection Market Size by Region

9.3.1 Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Semiconductor Metrology and Inspection Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

10.2 South America Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

10.3 South America Semiconductor Metrology and Inspection Market Size by Country

10.3.1 South America Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2032)

10.3.2 South America Semiconductor Metrology and Inspection Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Semiconductor Metrology and Inspection Market Size by Country

11.3.1 Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Semiconductor Metrology and Inspection Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Semiconductor Metrology and Inspection Market Drivers

12.2 Semiconductor Metrology and Inspection Market Restraints

12.3 Semiconductor Metrology and Inspection Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Semiconductor Metrology and Inspection and Key Manufacturers

13.2 Manufacturing Costs Percentage of Semiconductor Metrology and Inspection

13.3 Semiconductor Metrology and Inspection Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Semiconductor Metrology and Inspection Typical Distributors

14.3 Semiconductor Metrology and Inspection Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Figures

LIST OF FIGURES

- Table 1. Global Semiconductor Metrology and Inspection Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 2. Global Semiconductor Metrology and Inspection Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 3. KLA Corporation Basic Information, Manufacturing Base and Competitors
- Table 4. KLA Corporation Major Business
- Table 5. KLA Corporation Semiconductor Metrology and Inspection Product and Services
- Table 6. KLA Corporation Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 7. KLA Corporation Recent Developments/Updates
- Table 8. Applied Materials Basic Information, Manufacturing Base and Competitors
- Table 9. Applied Materials Major Business
- Table 10. Applied Materials Semiconductor Metrology and Inspection Product and Services
- Table 11. Applied Materials Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 12. Applied Materials Recent Developments/Updates
- Table 13. Hitachi High-Technologies Basic Information, Manufacturing Base and Competitors
- Table 14. Hitachi High-Technologies Major Business
- Table 15. Hitachi High-Technologies Semiconductor Metrology and Inspection Product and Services
- Table 16. Hitachi High-Technologies Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 17. Hitachi High-Technologies Recent Developments/Updates
- Table 18. ASML Basic Information, Manufacturing Base and Competitors
- Table 19. ASML Major Business
- Table 20. ASML Semiconductor Metrology and Inspection Product and Services
- Table 21. ASML Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. ASML Recent Developments/Updates

Table 23. Onto Innovation Basic Information, Manufacturing Base and Competitors

Table 24. Onto Innovation Major Business

Table 25. Onto Innovation Semiconductor Metrology and Inspection Product and Services

Table 26. Onto Innovation Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. Onto Innovation Recent Developments/Updates

Table 28. Lasertec Basic Information, Manufacturing Base and Competitors

Table 29. Lasertec Major Business

Table 30. Lasertec Semiconductor Metrology and Inspection Product and Services

Table 31. Lasertec Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. Lasertec Recent Developments/Updates

Table 33. SCREEN Semiconductor Solutions Basic Information, Manufacturing Base and Competitors

Table 34. SCREEN Semiconductor Solutions Major Business

Table 35. SCREEN Semiconductor Solutions Semiconductor Metrology and Inspection Product and Services

Table 36. SCREEN Semiconductor Solutions Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. SCREEN Semiconductor Solutions Recent Developments/Updates

Table 38. ZEISS Basic Information, Manufacturing Base and Competitors

Table 39. ZEISS Major Business

Table 40. ZEISS Semiconductor Metrology and Inspection Product and Services

Table 41. ZEISS Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. ZEISS Recent Developments/Updates

Table 43. Camtek Basic Information, Manufacturing Base and Competitors

Table 44. Camtek Major Business

Table 45. Camtek Semiconductor Metrology and Inspection Product and Services

Table 46. Camtek Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 47. Camtek Recent Developments/Updates

Table 48. Toray Engineering Basic Information, Manufacturing Base and Competitors

Table 49. Toray Engineering Major Business

Table 50. Toray Engineering Semiconductor Metrology and Inspection Product and Services

Table 51. Toray Engineering Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 52. Toray Engineering Recent Developments/Updates

Table 53. Muetec Basic Information, Manufacturing Base and Competitors

Table 54. Muetec Major Business

Table 55. Muetec Semiconductor Metrology and Inspection Product and Services

Table 56. Muetec Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 57. Muetec Recent Developments/Updates

Table 58. Unity Semiconductor SAS Basic Information, Manufacturing Base and Competitors

Table 59. Unity Semiconductor SAS Major Business

Table 60. Unity Semiconductor SAS Semiconductor Metrology and Inspection Product and Services

Table 61. Unity Semiconductor SAS Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 62. Unity Semiconductor SAS Recent Developments/Updates

Table 63. Microtronic Basic Information, Manufacturing Base and Competitors

Table 64. Microtronic Major Business

Table 65. Microtronic Semiconductor Metrology and Inspection Product and Services

Table 66. Microtronic Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 67. Microtronic Recent Developments/Updates

Table 68. RSIC Basic Information, Manufacturing Base and Competitors

Table 69. RSIC Major Business

Table 70. RSIC Semiconductor Metrology and Inspection Product and Services

Table 71. RSIC Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. RSIC Recent Developments/Updates

Table 73. Nova Basic Information, Manufacturing Base and Competitors

Table 74. Nova Major Business

Table 75. Nova Semiconductor Metrology and Inspection Product and Services

Table 76. Nova Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. Nova Recent Developments/Updates

Table 78. Skyverse Basic Information, Manufacturing Base and Competitors

Table 79. Skyverse Major Business

Table 80. Skyverse Semiconductor Metrology and Inspection Product and Services

Table 81. Skyverse Semiconductor Metrology and Inspection Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 82. Skyverse Recent Developments/Updates

Table 83. Global Semiconductor Metrology and Inspection Sales Quantity by Manufacturer (2021-2026) & (Units)

Table 84. Global Semiconductor Metrology and Inspection Revenue by Manufacturer (2021-2026) & (USD Million)

Table 85. Global Semiconductor Metrology and Inspection Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 86. Market Position of Manufacturers in Semiconductor Metrology and Inspection, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 87. Head Office and Semiconductor Metrology and Inspection Production Site of Key Manufacturer

Table 88. Semiconductor Metrology and Inspection Market: Company Product Type Footprint

Table 89. Semiconductor Metrology and Inspection Market: Company Product Application Footprint

Table 90. Semiconductor Metrology and Inspection New Market Entrants and Barriers to Market Entry

Table 91. Semiconductor Metrology and Inspection Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global Semiconductor Metrology and Inspection Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 93. Global Semiconductor Metrology and Inspection Sales Quantity by Region (2021-2026) & (Units)

Table 94. Global Semiconductor Metrology and Inspection Sales Quantity by Region (2027-2032) & (Units)

Table 95. Global Semiconductor Metrology and Inspection Consumption Value by Region (2021-2026) & (USD Million)

Table 96. Global Semiconductor Metrology and Inspection Consumption Value by Region (2027-2032) & (USD Million)

Table 97. Global Semiconductor Metrology and Inspection Average Price by Region (2021-2026) & (K US\$/Unit)

Table 98. Global Semiconductor Metrology and Inspection Average Price by Region (2027-2032) & (K US\$/Unit)

Table 99. Global Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)

Table 100. Global Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)

Table 101. Global Semiconductor Metrology and Inspection Consumption Value by Type (2021-2026) & (USD Million)

Table 102. Global Semiconductor Metrology and Inspection Consumption Value by Type (2027-2032) & (USD Million)

Table 103. Global Semiconductor Metrology and Inspection Average Price by Type (2021-2026) & (K US\$/Unit)

Table 104. Global Semiconductor Metrology and Inspection Average Price by Type (2027-2032) & (K US\$/Unit)

Table 105. Global Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)

Table 106. Global Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)

Table 107. Global Semiconductor Metrology and Inspection Consumption Value by Application (2021-2026) & (USD Million)

Table 108. Global Semiconductor Metrology and Inspection Consumption Value by Application (2027-2032) & (USD Million)

Table 109. Global Semiconductor Metrology and Inspection Average Price by Application (2021-2026) & (K US\$/Unit)

Table 110. Global Semiconductor Metrology and Inspection Average Price by Application (2027-2032) & (K US\$/Unit)

Table 111. North America Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)

Table 112. North America Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)

Table 113. North America Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)

Table 114. North America Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)

Table 115. North America Semiconductor Metrology and Inspection Sales Quantity by

Country (2021-2026) & (Units)

Table 116. North America Semiconductor Metrology and Inspection Sales Quantity by Country (2027-2032) & (Units)

Table 117. North America Semiconductor Metrology and Inspection Consumption Value by Country (2021-2026) & (USD Million)

Table 118. North America Semiconductor Metrology and Inspection Consumption Value by Country (2027-2032) & (USD Million)

Table 119. Europe Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)

Table 120. Europe Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)

Table 121. Europe Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)

Table 122. Europe Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)

Table 123. Europe Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2026) & (Units)

Table 124. Europe Semiconductor Metrology and Inspection Sales Quantity by Country (2027-2032) & (Units)

Table 125. Europe Semiconductor Metrology and Inspection Consumption Value by Country (2021-2026) & (USD Million)

Table 126. Europe Semiconductor Metrology and Inspection Consumption Value by Country (2027-2032) & (USD Million)

Table 127. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)

Table 128. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)

Table 129. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)

Table 130. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)

Table 131. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Region (2021-2026) & (Units)

Table 132. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity by Region (2027-2032) & (Units)

Table 133. Asia-Pacific Semiconductor Metrology and Inspection Consumption Value by Region (2021-2026) & (USD Million)

Table 134. Asia-Pacific Semiconductor Metrology and Inspection Consumption Value by Region (2027-2032) & (USD Million)

- Table 135. South America Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)
- Table 136. South America Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)
- Table 137. South America Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)
- Table 138. South America Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)
- Table 139. South America Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2026) & (Units)
- Table 140. South America Semiconductor Metrology and Inspection Sales Quantity by Country (2027-2032) & (Units)
- Table 141. South America Semiconductor Metrology and Inspection Consumption Value by Country (2021-2026) & (USD Million)
- Table 142. South America Semiconductor Metrology and Inspection Consumption Value by Country (2027-2032) & (USD Million)
- Table 143. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Type (2021-2026) & (Units)
- Table 144. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Type (2027-2032) & (Units)
- Table 145. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Application (2021-2026) & (Units)
- Table 146. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Application (2027-2032) & (Units)
- Table 147. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Country (2021-2026) & (Units)
- Table 148. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity by Country (2027-2032) & (Units)
- Table 149. Middle East & Africa Semiconductor Metrology and Inspection Consumption Value by Country (2021-2026) & (USD Million)
- Table 150. Middle East & Africa Semiconductor Metrology and Inspection Consumption Value by Country (2027-2032) & (USD Million)
- Table 151. Semiconductor Metrology and Inspection Raw Material
- Table 152. Key Manufacturers of Semiconductor Metrology and Inspection Raw Materials
- Table 153. Semiconductor Metrology and Inspection Typical Distributors
- Table 154. Semiconductor Metrology and Inspection Typical Customers

LIST OF FIGURES

Figure 1. Semiconductor Metrology and Inspection Picture

Figure 2. Global Semiconductor Metrology and Inspection Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Semiconductor Metrology and Inspection Revenue Market Share by Type in 2025

Figure 4. Defect Inspection Equipment Examples

Figure 5. Metrology Equipment Examples

Figure 6. Global Semiconductor Metrology and Inspection Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Semiconductor Metrology and Inspection Revenue Market Share by Application in 2025

Figure 8. Wafer Examples

Figure 9. Mask/Film Examples

Figure 10. Others Examples

Figure 11. Global Semiconductor Metrology and Inspection Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 12. Global Semiconductor Metrology and Inspection Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 13. Global Semiconductor Metrology and Inspection Sales Quantity (2021-2032) & (Units)

Figure 14. Global Semiconductor Metrology and Inspection Price (2021-2032) & (K US\$/Unit)

Figure 15. Global Semiconductor Metrology and Inspection Sales Quantity Market Share by Manufacturer in 2025

Figure 16. Global Semiconductor Metrology and Inspection Revenue Market Share by Manufacturer in 2025

Figure 17. Producer Shipments of Semiconductor Metrology and Inspection by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 18. Top 3 Semiconductor Metrology and Inspection Manufacturer (Revenue) Market Share in 2025

Figure 19. Top 6 Semiconductor Metrology and Inspection Manufacturer (Revenue) Market Share in 2025

Figure 20. Global Semiconductor Metrology and Inspection Sales Quantity Market Share by Region (2021-2032)

Figure 21. Global Semiconductor Metrology and Inspection Consumption Value Market Share by Region (2021-2032)

Figure 22. North America Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 23. Europe Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 24. Asia-Pacific Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 25. South America Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 26. Middle East & Africa Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 27. Global Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 28. Global Semiconductor Metrology and Inspection Consumption Value Market Share by Type (2021-2032)

Figure 29. Global Semiconductor Metrology and Inspection Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 30. Global Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 31. Global Semiconductor Metrology and Inspection Revenue Market Share by Application (2021-2032)

Figure 32. Global Semiconductor Metrology and Inspection Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 33. North America Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 34. North America Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 35. North America Semiconductor Metrology and Inspection Sales Quantity Market Share by Country (2021-2032)

Figure 36. North America Semiconductor Metrology and Inspection Consumption Value Market Share by Country (2021-2032)

Figure 37. United States Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 38. Canada Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 39. Mexico Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 40. Europe Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 41. Europe Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 42. Europe Semiconductor Metrology and Inspection Sales Quantity Market

Share by Country (2021-2032)

Figure 43. Europe Semiconductor Metrology and Inspection Consumption Value Market

Share by Country (2021-2032)

Figure 44. Germany Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 45. France Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 46. United Kingdom Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 47. Russia Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 48. Italy Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 49. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 50. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 51. Asia-Pacific Semiconductor Metrology and Inspection Sales Quantity Market Share by Region (2021-2032)

Figure 52. Asia-Pacific Semiconductor Metrology and Inspection Consumption Value Market Share by Region (2021-2032)

Figure 53. China Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 54. Japan Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 55. South Korea Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 56. India Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 57. Southeast Asia Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 58. Australia Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 59. South America Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 60. South America Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 61. South America Semiconductor Metrology and Inspection Sales Quantity Market Share by Country (2021-2032)

Figure 62. South America Semiconductor Metrology and Inspection Consumption Value Market Share by Country (2021-2032)

Figure 63. Brazil Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 64. Argentina Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 65. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity Market Share by Type (2021-2032)

Figure 66. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity Market Share by Application (2021-2032)

Figure 67. Middle East & Africa Semiconductor Metrology and Inspection Sales Quantity Market Share by Country (2021-2032)

Figure 68. Middle East & Africa Semiconductor Metrology and Inspection Consumption Value Market Share by Country (2021-2032)

Figure 69. Turkey Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 70. Egypt Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 71. Saudi Arabia Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 72. South Africa Semiconductor Metrology and Inspection Consumption Value (2021-2032) & (USD Million)

Figure 73. Semiconductor Metrology and Inspection Market Drivers

Figure 74. Semiconductor Metrology and Inspection Market Restraints

Figure 75. Semiconductor Metrology and Inspection Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Semiconductor Metrology and Inspection in 2025

Figure 78. Manufacturing Process Analysis of Semiconductor Metrology and Inspection

Figure 79. Semiconductor Metrology and Inspection Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

I would like to order

Product name: Global Semiconductor Metrology and Inspection Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GC70F2005A96EN.html>

Price: US\$ 3,480.00 (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/GC70F2005A96EN.html>