

Global GaN Inspection and Metrology Equipment Market Research Report 2024, Forecast to 2032

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Abstracts

Report Overview

Gallium nitride (GaN) is used as the wide band gap material for next generation power semiconductors and high frequency devices. The GaN wafer inspection market is expected to grow significantly, driven by advancements in inspection technologies and the increasing demand for high-performance GaN-based devices. Innovations in automated inspection systems, AI, and machine learning will further enhance the efficiency and accuracy of wafer inspections, reducing manufacturing costs and improving yield rates.

The global GaN Inspection and Metrology Equipment market size was estimated at USD 334 million in 2023 and is projected to reach USD 1562.44 million by 2032, exhibiting a CAGR of 18.70% during the forecast period.

North America GaN Inspection and Metrology Equipment market size was estimated at USD 117.17 million in 2023, at a CAGR of 16.03% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global GaN Inspection and Metrology Equipment market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore,

it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global GaN Inspection and Metrology Equipment Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

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

Global GaN Inspection and Metrology Equipment Market: Market Segmentation Analysis

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

Key Company

KLA Corporation

Lasertec

Nanotronics

TASMIT

Inc. (Toray Engineering)

Bruker

LAZIN CO.,LTD

EtaMax

Screen

Tokyo Electron Ltd. (TEL)

confovis GmbH

Angkun Vision (Beijing) Technology

Shenzhen Glint Vision

Hitachi High-Tech

Onto Innovation

Market Segmentation (by Type)

GaN Defect Inspection Equipment

GaN Metrology Equipment

Market Segmentation (by Application)

GaN RF

GaN Power

HB GaN LED

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 GaN Inspection and Metrology Equipment Market

Overview of the regional outlook of the GaN Inspection and Metrology Equipment Market:

Key Reasons to Buy this Report:

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

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

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

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

Provision of market value data for each segment and sub-segment

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

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

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

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

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

Provides insight into the market through Value Chain

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

6-month post-sales analyst support

Customization of the Report

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

Chapter Outline

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

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the GaN Inspection and Metrology 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 from the consumer side 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 GaN Inspection and Metrology 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 during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

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

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of GaN Inspection and Metrology Equipment
- 1.2 Key Market Segments
 - 1.2.1 GaN Inspection and Metrology Equipment Segment by Type
 - 1.2.2 GaN Inspection and Metrology 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 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global GaN Inspection and Metrology Equipment Market Size (M USD) Estimates and Forecasts (2019-2032)
 - 2.1.2 Global GaN Inspection and Metrology Equipment Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET COMPETITIVE LANDSCAPE

- 3.1 Global GaN Inspection and Metrology Equipment Sales by Manufacturers (2019-2024)
- 3.2 Global GaN Inspection and Metrology Equipment Revenue Market Share by Manufacturers (2019-2024)
- 3.3 GaN Inspection and Metrology Equipment Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global GaN Inspection and Metrology Equipment Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers GaN Inspection and Metrology Equipment Sales Sites, Area Served, Product Type
- 3.6 GaN Inspection and Metrology Equipment Market Competitive Situation and Trends

- 3.6.1 GaN Inspection and Metrology Equipment Market Concentration Rate
- 3.6.2 Global 5 and 10 Largest GaN Inspection and Metrology Equipment Players Market Share by Revenue
- 3.6.3 Mergers & Acquisitions, Expansion

4 GAN INSPECTION AND METROLOGY EQUIPMENT INDUSTRY CHAIN ANALYSIS

- 4.1 GaN Inspection and Metrology 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 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
 - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global GaN Inspection and Metrology Equipment Sales Market Share by Type (2019-2024)
- 6.3 Global GaN Inspection and Metrology Equipment Market Size Market Share by Type (2019-2024)
- 6.4 Global GaN Inspection and Metrology Equipment Price by Type (2019-2024)

7 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global GaN Inspection and Metrology Equipment Market Sales by Application (2019-2024)
- 7.3 Global GaN Inspection and Metrology Equipment Market Size (M USD) by Application (2019-2024)
- 7.4 Global GaN Inspection and Metrology Equipment Sales Growth Rate by Application (2019-2024)

8 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET CONSUMPTION BY REGION

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

8.6 Middle East and Africa

8.6.1 Middle East and Africa GaN Inspection and Metrology Equipment Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET PRODUCTION BY REGION

9.1 Global Production of GaN Inspection and Metrology Equipment by Region (2019-2024)

9.2 Global GaN Inspection and Metrology Equipment Revenue Market Share by Region (2019-2024)

9.3 Global GaN Inspection and Metrology Equipment Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America GaN Inspection and Metrology Equipment Production

9.4.1 North America GaN Inspection and Metrology Equipment Production Growth Rate (2019-2024)

9.4.2 North America GaN Inspection and Metrology Equipment Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe GaN Inspection and Metrology Equipment Production

9.5.1 Europe GaN Inspection and Metrology Equipment Production Growth Rate (2019-2024)

9.5.2 Europe GaN Inspection and Metrology Equipment Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan GaN Inspection and Metrology Equipment Production (2019-2024)

9.6.1 Japan GaN Inspection and Metrology Equipment Production Growth Rate (2019-2024)

9.6.2 Japan GaN Inspection and Metrology Equipment Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China GaN Inspection and Metrology Equipment Production (2019-2024)

9.7.1 China GaN Inspection and Metrology Equipment Production Growth Rate (2019-2024)

9.7.2 China GaN Inspection and Metrology Equipment Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 KLA Corporation

10.1.1 KLA Corporation GaN Inspection and Metrology Equipment Basic Information

10.1.2 KLA Corporation GaN Inspection and Metrology Equipment Product Overview

10.1.3 KLA Corporation GaN Inspection and Metrology Equipment Product Market Performance

10.1.4 KLA Corporation Business Overview

10.1.5 KLA Corporation GaN Inspection and Metrology Equipment SWOT Analysis

10.1.6 KLA Corporation Recent Developments

10.2 Lasertec

10.2.1 Lasertec GaN Inspection and Metrology Equipment Basic Information

10.2.2 Lasertec GaN Inspection and Metrology Equipment Product Overview

10.2.3 Lasertec GaN Inspection and Metrology Equipment Product Market Performance

10.2.4 Lasertec Business Overview

10.2.5 Lasertec GaN Inspection and Metrology Equipment SWOT Analysis

10.2.6 Lasertec Recent Developments

10.3 Nanotronics

10.3.1 Nanotronics GaN Inspection and Metrology Equipment Basic Information

10.3.2 Nanotronics GaN Inspection and Metrology Equipment Product Overview

10.3.3 Nanotronics GaN Inspection and Metrology Equipment Product Market Performance

10.3.4 Nanotronics GaN Inspection and Metrology Equipment SWOT Analysis

10.3.5 Nanotronics Business Overview

10.3.6 Nanotronics Recent Developments

10.4 TASMITECH

10.4.1 TASMITECH GaN Inspection and Metrology Equipment Basic Information

10.4.2 TASMITECH GaN Inspection and Metrology Equipment Product Overview

10.4.3 TASMITECH GaN Inspection and Metrology Equipment Product Market Performance

10.4.4 TASMITECH Business Overview

10.4.5 TASMITECH Recent Developments

10.5 Inc. (Toray Engineering)

10.5.1 Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Basic Information

10.5.2 Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Product Overview

10.5.3 Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Product

Market Performance

- 10.5.4 Inc. (Toray Engineering) Business Overview
- 10.5.5 Inc. (Toray Engineering) Recent Developments

10.6 Bruker

- 10.6.1 Bruker GaN Inspection and Metrology Equipment Basic Information
- 10.6.2 Bruker GaN Inspection and Metrology Equipment Product Overview
- 10.6.3 Bruker GaN Inspection and Metrology Equipment Product Market Performance
- 10.6.4 Bruker Business Overview
- 10.6.5 Bruker Recent Developments

10.7 LAZIN CO.,LTD

- 10.7.1 LAZIN CO.,LTD GaN Inspection and Metrology Equipment Basic Information
- 10.7.2 LAZIN CO.,LTD GaN Inspection and Metrology Equipment Product Overview
- 10.7.3 LAZIN CO.,LTD GaN Inspection and Metrology Equipment Product Market

Performance

- 10.7.4 LAZIN CO.,LTD Business Overview
- 10.7.5 LAZIN CO.,LTD Recent Developments

10.8 EtaMax

- 10.8.1 EtaMax GaN Inspection and Metrology Equipment Basic Information
- 10.8.2 EtaMax GaN Inspection and Metrology Equipment Product Overview
- 10.8.3 EtaMax GaN Inspection and Metrology Equipment Product Market Performance
- 10.8.4 EtaMax Business Overview
- 10.8.5 EtaMax Recent Developments

10.9 Screen

- 10.9.1 Screen GaN Inspection and Metrology Equipment Basic Information
- 10.9.2 Screen GaN Inspection and Metrology Equipment Product Overview
- 10.9.3 Screen GaN Inspection and Metrology Equipment Product Market Performance
- 10.9.4 Screen Business Overview
- 10.9.5 Screen Recent Developments

10.10 Tokyo Electron Ltd. (TEL)

10.10.1 Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Basic Information

10.10.2 Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Product Overview

10.10.3 Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Product Market Performance

10.10.4 Tokyo Electron Ltd. (TEL) Business Overview

10.10.5 Tokyo Electron Ltd. (TEL) Recent Developments

10.11 confovis GmbH

10.11.1 confovis GmbH GaN Inspection and Metrology Equipment Basic Information

- 10.11.2 confovis GmbH GaN Inspection and Metrology Equipment Product Overview
- 10.11.3 confovis GmbH GaN Inspection and Metrology Equipment Product Market Performance
- 10.11.4 confovis GmbH Business Overview
- 10.11.5 confovis GmbH Recent Developments
- 10.12 Angkun Vision (Beijing) Technology
 - 10.12.1 Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Basic Information
 - 10.12.2 Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Product Overview
 - 10.12.3 Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Product Market Performance
 - 10.12.4 Angkun Vision (Beijing) Technology Business Overview
 - 10.12.5 Angkun Vision (Beijing) Technology Recent Developments
- 10.13 Shenzhen Glint Vision
 - 10.13.1 Shenzhen Glint Vision GaN Inspection and Metrology Equipment Basic Information
 - 10.13.2 Shenzhen Glint Vision GaN Inspection and Metrology Equipment Product Overview
 - 10.13.3 Shenzhen Glint Vision GaN Inspection and Metrology Equipment Product Market Performance
 - 10.13.4 Shenzhen Glint Vision Business Overview
 - 10.13.5 Shenzhen Glint Vision Recent Developments
- 10.14 Hitachi High-Tech
 - 10.14.1 Hitachi High-Tech GaN Inspection and Metrology Equipment Basic Information
 - 10.14.2 Hitachi High-Tech GaN Inspection and Metrology Equipment Product Overview
 - 10.14.3 Hitachi High-Tech GaN Inspection and Metrology Equipment Product Market Performance
 - 10.14.4 Hitachi High-Tech Business Overview
 - 10.14.5 Hitachi High-Tech Recent Developments
- 10.15 Onto Innovation
 - 10.15.1 Onto Innovation GaN Inspection and Metrology Equipment Basic Information
 - 10.15.2 Onto Innovation GaN Inspection and Metrology Equipment Product Overview
 - 10.15.3 Onto Innovation GaN Inspection and Metrology Equipment Product Market Performance
 - 10.15.4 Onto Innovation Business Overview
 - 10.15.5 Onto Innovation Recent Developments

11 GAN INSPECTION AND METROLOGY EQUIPMENT MARKET FORECAST BY REGION

- 11.1 Global GaN Inspection and Metrology Equipment Market Size Forecast
- 11.2 Global GaN Inspection and Metrology Equipment Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe GaN Inspection and Metrology Equipment Market Size Forecast by Country
 - 11.2.3 Asia Pacific GaN Inspection and Metrology Equipment Market Size Forecast by Region
 - 11.2.4 South America GaN Inspection and Metrology Equipment Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Consumption of GaN Inspection and Metrology Equipment by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global GaN Inspection and Metrology Equipment Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of GaN Inspection and Metrology Equipment by Type (2025-2032)
 - 12.1.2 Global GaN Inspection and Metrology Equipment Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of GaN Inspection and Metrology Equipment by Type (2025-2032)
- 12.2 Global GaN Inspection and Metrology Equipment Market Forecast by Application (2025-2032)
 - 12.2.1 Global GaN Inspection and Metrology Equipment Sales (K Units) Forecast by Application
 - 12.2.2 Global GaN Inspection and Metrology Equipment Market Size (M USD) Forecast by Application (2025-2032)

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. Market Size (M USD) Segment Executive Summary

Table 4. GaN Inspection and Metrology Equipment Market Size Comparison by Region (M USD)

Table 5. Global GaN Inspection and Metrology Equipment Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global GaN Inspection and Metrology Equipment Sales Market Share by Manufacturers (2019-2024)

Table 7. Global GaN Inspection and Metrology Equipment Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global GaN Inspection and Metrology Equipment Revenue Share by Manufacturers (2019-2024)

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

Table 10. Global Market GaN Inspection and Metrology Equipment Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers GaN Inspection and Metrology Equipment Sales Sites and Area Served

Table 12. Manufacturers GaN Inspection and Metrology Equipment Product Type

Table 13. Global GaN Inspection and Metrology Equipment Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of GaN Inspection and Metrology Equipment

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. GaN Inspection and Metrology Equipment Market Challenges

Table 22. Global GaN Inspection and Metrology Equipment Sales by Type (K Units)

Table 23. Global GaN Inspection and Metrology Equipment Market Size by Type (M USD)

Table 24. Global GaN Inspection and Metrology Equipment Sales (K Units) by Type (2019-2024)

Table 25. Global GaN Inspection and Metrology Equipment Sales Market Share by Type (2019-2024)

Table 26. Global GaN Inspection and Metrology Equipment Market Size (M USD) by Type (2019-2024)

Table 27. Global GaN Inspection and Metrology Equipment Market Size Share by Type (2019-2024)

Table 28. Global GaN Inspection and Metrology Equipment Price (USD/Unit) by Type (2019-2024)

Table 29. Global GaN Inspection and Metrology Equipment Sales (K Units) by Application

Table 30. Global GaN Inspection and Metrology Equipment Market Size by Application

Table 31. Global GaN Inspection and Metrology Equipment Sales by Application (2019-2024) & (K Units)

Table 32. Global GaN Inspection and Metrology Equipment Sales Market Share by Application (2019-2024)

Table 33. Global GaN Inspection and Metrology Equipment Sales by Application (2019-2024) & (M USD)

Table 34. Global GaN Inspection and Metrology Equipment Market Share by Application (2019-2024)

Table 35. Global GaN Inspection and Metrology Equipment Sales Growth Rate by Application (2019-2024)

Table 36. Global GaN Inspection and Metrology Equipment Sales by Region (2019-2024) & (K Units)

Table 37. Global GaN Inspection and Metrology Equipment Sales Market Share by Region (2019-2024)

Table 38. North America GaN Inspection and Metrology Equipment Sales by Country (2019-2024) & (K Units)

Table 39. Europe GaN Inspection and Metrology Equipment Sales by Country (2019-2024) & (K Units)

Table 40. Asia Pacific GaN Inspection and Metrology Equipment Sales by Region (2019-2024) & (K Units)

Table 41. South America GaN Inspection and Metrology Equipment Sales by Country (2019-2024) & (K Units)

Table 42. Middle East and Africa GaN Inspection and Metrology Equipment Sales by Region (2019-2024) & (K Units)

Table 43. Global GaN Inspection and Metrology Equipment Production (K Units) by Region (2019-2024)

Table 44. Global GaN Inspection and Metrology Equipment Revenue (US\$ Million) by Region (2019-2024)

Table 45. Global GaN Inspection and Metrology Equipment Revenue Market Share by Region (2019-2024)

Table 46. Global GaN Inspection and Metrology Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 47. North America GaN Inspection and Metrology Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 48. Europe GaN Inspection and Metrology Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 49. Japan GaN Inspection and Metrology Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 50. China GaN Inspection and Metrology Equipment Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 51. KLA Corporation GaN Inspection and Metrology Equipment Basic Information

Table 52. KLA Corporation GaN Inspection and Metrology Equipment Product Overview

Table 53. KLA Corporation GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 54. KLA Corporation Business Overview

Table 55. KLA Corporation GaN Inspection and Metrology Equipment SWOT Analysis

Table 56. KLA Corporation Recent Developments

Table 57. Lasertec GaN Inspection and Metrology Equipment Basic Information

Table 58. Lasertec GaN Inspection and Metrology Equipment Product Overview

Table 59. Lasertec GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 60. Lasertec Business Overview

Table 61. Lasertec GaN Inspection and Metrology Equipment SWOT Analysis

Table 62. Lasertec Recent Developments

Table 63. Nanotronics GaN Inspection and Metrology Equipment Basic Information

Table 64. Nanotronics GaN Inspection and Metrology Equipment Product Overview

Table 65. Nanotronics GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 66. Nanotronics GaN Inspection and Metrology Equipment SWOT Analysis

Table 67. Nanotronics Business Overview

Table 68. Nanotronics Recent Developments

Table 69. TASMITECH GaN Inspection and Metrology Equipment Basic Information

Table 70. TASMITECH GaN Inspection and Metrology Equipment Product Overview

Table 71. TASMITECH GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. TASMITECH Business Overview

Table 73. TASMITECH Recent Developments

Table 74. Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Basic Information

Table 75. Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Product Overview

Table 76. Inc. (Toray Engineering) GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. Inc. (Toray Engineering) Business Overview

Table 78. Inc. (Toray Engineering) Recent Developments

Table 79. Bruker GaN Inspection and Metrology Equipment Basic Information

Table 80. Bruker GaN Inspection and Metrology Equipment Product Overview

Table 81. Bruker GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Bruker Business Overview

Table 83. Bruker Recent Developments

Table 84. LAZIN CO.,LTD GaN Inspection and Metrology Equipment Basic Information

Table 85. LAZIN CO.,LTD GaN Inspection and Metrology Equipment Product Overview

Table 86. LAZIN CO.,LTD GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. LAZIN CO.,LTD Business Overview

Table 88. LAZIN CO.,LTD Recent Developments

Table 89. EtaMax GaN Inspection and Metrology Equipment Basic Information

Table 90. EtaMax GaN Inspection and Metrology Equipment Product Overview

Table 91. EtaMax GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. EtaMax Business Overview

Table 93. EtaMax Recent Developments

Table 94. Screen GaN Inspection and Metrology Equipment Basic Information

Table 95. Screen GaN Inspection and Metrology Equipment Product Overview

Table 96. Screen GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. Screen Business Overview

Table 98. Screen Recent Developments

Table 99. Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Basic Information

Table 100. Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Product Overview

Table 101. Tokyo Electron Ltd. (TEL) GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. Tokyo Electron Ltd. (TEL) Business Overview

Table 103. Tokyo Electron Ltd. (TEL) Recent Developments

Table 104. confovis GmbH GaN Inspection and Metrology Equipment Basic Information

Table 105. confovis GmbH GaN Inspection and Metrology Equipment Product Overview

Table 106. confovis GmbH GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. confovis GmbH Business Overview

Table 108. confovis GmbH Recent Developments

Table 109. Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Basic Information

Table 110. Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Product Overview

Table 111. Angkun Vision (Beijing) Technology GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. Angkun Vision (Beijing) Technology Business Overview

Table 113. Angkun Vision (Beijing) Technology Recent Developments

Table 114. Shenzhen Glint Vision GaN Inspection and Metrology Equipment Basic Information

Table 115. Shenzhen Glint Vision GaN Inspection and Metrology Equipment Product Overview

Table 116. Shenzhen Glint Vision GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. Shenzhen Glint Vision Business Overview

Table 118. Shenzhen Glint Vision Recent Developments

Table 119. Hitachi High-Tech GaN Inspection and Metrology Equipment Basic Information

Table 120. Hitachi High-Tech GaN Inspection and Metrology Equipment Product Overview

Table 121. Hitachi High-Tech GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. Hitachi High-Tech Business Overview

Table 123. Hitachi High-Tech Recent Developments

Table 124. Onto Innovation GaN Inspection and Metrology Equipment Basic Information

Table 125. Onto Innovation GaN Inspection and Metrology Equipment Product Overview

Table 126. Onto Innovation GaN Inspection and Metrology Equipment Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. Onto Innovation Business Overview

Table 128. Onto Innovation Recent Developments

Table 129. Global GaN Inspection and Metrology Equipment Sales Forecast by Region (2025-2032) & (K Units)

Table 130. Global GaN Inspection and Metrology Equipment Market Size Forecast by Region (2025-2032) & (M USD)

Table 131. North America GaN Inspection and Metrology Equipment Sales Forecast by Country (2025-2032) & (K Units)

Table 132. North America GaN Inspection and Metrology Equipment Market Size Forecast by Country (2025-2032) & (M USD)

Table 133. Europe GaN Inspection and Metrology Equipment Sales Forecast by Country (2025-2032) & (K Units)

Table 134. Europe GaN Inspection and Metrology Equipment Market Size Forecast by Country (2025-2032) & (M USD)

Table 135. Asia Pacific GaN Inspection and Metrology Equipment Sales Forecast by Region (2025-2032) & (K Units)

Table 136. Asia Pacific GaN Inspection and Metrology Equipment Market Size Forecast by Region (2025-2032) & (M USD)

Table 137. South America GaN Inspection and Metrology Equipment Sales Forecast by Country (2025-2032) & (K Units)

Table 138. South America GaN Inspection and Metrology Equipment Market Size Forecast by Country (2025-2032) & (M USD)

Table 139. Middle East and Africa GaN Inspection and Metrology Equipment Consumption Forecast by Country (2025-2032) & (Units)

Table 140. Middle East and Africa GaN Inspection and Metrology Equipment Market Size Forecast by Country (2025-2032) & (M USD)

Table 141. Global GaN Inspection and Metrology Equipment Sales Forecast by Type (2025-2032) & (K Units)

Table 142. Global GaN Inspection and Metrology Equipment Market Size Forecast by Type (2025-2032) & (M USD)

Table 143. Global GaN Inspection and Metrology Equipment Price Forecast by Type (2025-2032) & (USD/Unit)

Table 144. Global GaN Inspection and Metrology Equipment Sales (K Units) Forecast by Application (2025-2032)

Table 145. Global GaN Inspection and Metrology Equipment Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of GaN Inspection and Metrology Equipment

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global GaN Inspection and Metrology Equipment Market Size (M USD), 2019-2032

Figure 5. Global GaN Inspection and Metrology Equipment Market Size (M USD) (2019-2032)

Figure 6. Global GaN Inspection and Metrology Equipment Sales (K Units) & (2019-2032)

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. GaN Inspection and Metrology Equipment Market Size by Country (M USD)

Figure 11. GaN Inspection and Metrology Equipment Sales Share by Manufacturers in 2023

Figure 12. Global GaN Inspection and Metrology Equipment Revenue Share by Manufacturers in 2023

Figure 13. GaN Inspection and Metrology Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market GaN Inspection and Metrology Equipment Average Price (USD/Unit) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by GaN Inspection and Metrology Equipment Revenue in 2023

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

Figure 17. Global GaN Inspection and Metrology Equipment Market Share by Type

Figure 18. Sales Market Share of GaN Inspection and Metrology Equipment by Type (2019-2024)

Figure 19. Sales Market Share of GaN Inspection and Metrology Equipment by Type in 2023

Figure 20. Market Size Share of GaN Inspection and Metrology Equipment by Type (2019-2024)

Figure 21. Market Size Market Share of GaN Inspection and Metrology Equipment by Type in 2023

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

Figure 23. Global GaN Inspection and Metrology Equipment Market Share by

Application

Figure 24. Global GaN Inspection and Metrology Equipment Sales Market Share by Application (2019-2024)

Figure 25. Global GaN Inspection and Metrology Equipment Sales Market Share by Application in 2023

Figure 26. Global GaN Inspection and Metrology Equipment Market Share by Application (2019-2024)

Figure 27. Global GaN Inspection and Metrology Equipment Market Share by Application in 2023

Figure 28. Global GaN Inspection and Metrology Equipment Sales Growth Rate by Application (2019-2024)

Figure 29. Global GaN Inspection and Metrology Equipment Sales Market Share by Region (2019-2024)

Figure 30. North America GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America GaN Inspection and Metrology Equipment Sales Market Share by Country in 2023

Figure 32. U.S. GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada GaN Inspection and Metrology Equipment Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico GaN Inspection and Metrology Equipment Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe GaN Inspection and Metrology Equipment Sales Market Share by Country in 2023

Figure 37. Germany GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific GaN Inspection and Metrology Equipment Sales and Growth Rate (K Units)

Figure 43. Asia Pacific GaN Inspection and Metrology Equipment Sales Market Share by Region in 2023

Figure 44. China GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America GaN Inspection and Metrology Equipment Sales and Growth Rate (K Units)

Figure 50. South America GaN Inspection and Metrology Equipment Sales Market Share by Country in 2023

Figure 51. Brazil GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa GaN Inspection and Metrology Equipment Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa GaN Inspection and Metrology Equipment Sales Market Share by Region in 2023

Figure 56. Saudi Arabia GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa GaN Inspection and Metrology Equipment Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global GaN Inspection and Metrology Equipment Production Market Share by Region (2019-2024)

Figure 62. North America GaN Inspection and Metrology Equipment Production (K

Units) Growth Rate (2019-2024)

Figure 63. Europe GaN Inspection and Metrology Equipment Production (K Units) Growth Rate (2019-2024)

Figure 64. Japan GaN Inspection and Metrology Equipment Production (K Units) Growth Rate (2019-2024)

Figure 65. China GaN Inspection and Metrology Equipment Production (K Units) Growth Rate (2019-2024)

Figure 66. Global GaN Inspection and Metrology Equipment Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global GaN Inspection and Metrology Equipment Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global GaN Inspection and Metrology Equipment Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global GaN Inspection and Metrology Equipment Market Share Forecast by Type (2025-2032)

Figure 70. Global GaN Inspection and Metrology Equipment Sales Forecast by Application (2025-2032)

Figure 71. Global GaN Inspection and Metrology Equipment Market Share Forecast by Application (2025-2032)

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