

Global GaN Wafer Defect Inspection System Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global GaN Wafer Defect Inspection System market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

GaN Wafer Defect Inspection System refers to a specialized equipment or system used for inspecting and detecting defects on Gallium Nitride (GaN) wafers. GaN is a wide-bandgap semiconductor material that is commonly used in the production of high-power and high-frequency electronic devices, such as power amplifiers, LEDs, and radio frequency (RF) devices. The GaN Wafer Defect Inspection System is designed to analyze the quality and integrity of GaN wafers by identifying and characterizing various types of defects, such as crystal defects, dislocations, cracks, contaminants, and other imperfections. This system typically utilizes advanced imaging techniques, such as optical microscopy, scanning electron microscopy (SEM), atomic force microscopy (AFM), and other non-destructive testing methods. By detecting and analyzing defects at an early stage, manufacturers can identify problematic wafers and take corrective measures to improve the yield and performance of their products. Additionally, this system helps in the research and development of new GaN-based technologies by providing valuable insights into the material properties and defect characteristics.

This report studies the global GaN Wafer Defect Inspection System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GaN Wafer Defect Inspection System, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of GaN Wafer Defect Inspection

System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GaN Wafer Defect Inspection System total production and demand, 2018-2029, (Units)

Global GaN Wafer Defect Inspection System total production value, 2018-2029, (USD Million)

Global GaN Wafer Defect Inspection System production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global GaN Wafer Defect Inspection System consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: GaN Wafer Defect Inspection System domestic production, consumption, key domestic manufacturers and share

Global GaN Wafer Defect Inspection System production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global GaN Wafer Defect Inspection System production by Sensitivity, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global GaN Wafer Defect Inspection System production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global GaN Wafer Defect Inspection System market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lasertec, KLA Corporation, Nanotronics, Tokyo Electron, YGK Corporation, Intego GmbH, LAZIN Co and Angkun Vision, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World GaN Wafer Defect Inspection System market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K USD/Unit) by manufacturer, by Sensitivity, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global GaN Wafer Defect Inspection System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GaN Wafer Defect Inspection System Market, Segmentation by Sensitivity

Below 0.1 μ m

0.1-10 μ m

Global GaN Wafer Defect Inspection System Market, Segmentation by Application

6 Inch Wafer

8 Inch Wafer

12 Inch Wafer

Others

Companies Profiled:

Lasertec

KLA Corporation

Nanotronics

Tokyo Electron

YGK Corporation

Intego GmbH

LAZIN Co

Angkun Vision

Key Questions Answered

1. How big is the global GaN Wafer Defect Inspection System market?
2. What is the demand of the global GaN Wafer Defect Inspection System market?
3. What is the year over year growth of the global GaN Wafer Defect Inspection System market?
4. What is the production and production value of the global GaN Wafer Defect Inspection System market?

5. Who are the key producers in the global GaN Wafer Defect Inspection System market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 GaN Wafer Defect Inspection System Introduction
- 1.2 World GaN Wafer Defect Inspection System Supply & Forecast
 - 1.2.1 World GaN Wafer Defect Inspection System Production Value (2018 & 2022 & 2029)
 - 1.2.2 World GaN Wafer Defect Inspection System Production (2018-2029)
 - 1.2.3 World GaN Wafer Defect Inspection System Pricing Trends (2018-2029)
- 1.3 World GaN Wafer Defect Inspection System Production by Region (Based on Production Site)
 - 1.3.1 World GaN Wafer Defect Inspection System Production Value by Region (2018-2029)
 - 1.3.2 World GaN Wafer Defect Inspection System Production by Region (2018-2029)
 - 1.3.3 World GaN Wafer Defect Inspection System Average Price by Region (2018-2029)
 - 1.3.4 North America GaN Wafer Defect Inspection System Production (2018-2029)
 - 1.3.5 Europe GaN Wafer Defect Inspection System Production (2018-2029)
 - 1.3.6 China GaN Wafer Defect Inspection System Production (2018-2029)
 - 1.3.7 Japan GaN Wafer Defect Inspection System Production (2018-2029)
 - 1.3.8 South Korea GaN Wafer Defect Inspection System Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 GaN Wafer Defect Inspection System Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 GaN Wafer Defect Inspection System Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World GaN Wafer Defect Inspection System Demand (2018-2029)
- 2.2 World GaN Wafer Defect Inspection System Consumption by Region
 - 2.2.1 World GaN Wafer Defect Inspection System Consumption by Region (2018-2023)
 - 2.2.2 World GaN Wafer Defect Inspection System Consumption Forecast by Region (2024-2029)
- 2.3 United States GaN Wafer Defect Inspection System Consumption (2018-2029)

- 2.4 China GaN Wafer Defect Inspection System Consumption (2018-2029)
- 2.5 Europe GaN Wafer Defect Inspection System Consumption (2018-2029)
- 2.6 Japan GaN Wafer Defect Inspection System Consumption (2018-2029)
- 2.7 South Korea GaN Wafer Defect Inspection System Consumption (2018-2029)
- 2.8 ASEAN GaN Wafer Defect Inspection System Consumption (2018-2029)
- 2.9 India GaN Wafer Defect Inspection System Consumption (2018-2029)

3 WORLD GAN WAFER DEFECT INSPECTION SYSTEM MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World GaN Wafer Defect Inspection System Production Value by Manufacturer (2018-2023)
- 3.2 World GaN Wafer Defect Inspection System Production by Manufacturer (2018-2023)
- 3.3 World GaN Wafer Defect Inspection System Average Price by Manufacturer (2018-2023)
- 3.4 GaN Wafer Defect Inspection System Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global GaN Wafer Defect Inspection System Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for GaN Wafer Defect Inspection System in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for GaN Wafer Defect Inspection System in 2022
- 3.6 GaN Wafer Defect Inspection System Market: Overall Company Footprint Analysis
 - 3.6.1 GaN Wafer Defect Inspection System Market: Region Footprint
 - 3.6.2 GaN Wafer Defect Inspection System Market: Company Product Type Footprint
 - 3.6.3 GaN Wafer Defect Inspection System Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: GaN Wafer Defect Inspection System Production Value

Comparison

4.1.1 United States VS China: GaN Wafer Defect Inspection System Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: GaN Wafer Defect Inspection System Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: GaN Wafer Defect Inspection System Production Comparison

4.2.1 United States VS China: GaN Wafer Defect Inspection System Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: GaN Wafer Defect Inspection System Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: GaN Wafer Defect Inspection System Consumption Comparison

4.3.1 United States VS China: GaN Wafer Defect Inspection System Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: GaN Wafer Defect Inspection System Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based GaN Wafer Defect Inspection System Manufacturers and Market Share, 2018-2023

4.4.1 United States Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers GaN Wafer Defect Inspection System Production Value (2018-2023)

4.4.3 United States Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023)

4.5 China Based GaN Wafer Defect Inspection System Manufacturers and Market Share

4.5.1 China Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers GaN Wafer Defect Inspection System Production Value (2018-2023)

4.5.3 China Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023)

4.6 Rest of World Based GaN Wafer Defect Inspection System Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023)

5 MARKET ANALYSIS BY SENSITIVITY

5.1 World GaN Wafer Defect Inspection System Market Size Overview by Sensitivity: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Sensitivity

5.2.1 Below 0.1 μ m

5.2.2 0.1-10 μ m

5.3 Market Segment by Sensitivity

5.3.1 World GaN Wafer Defect Inspection System Production by Sensitivity (2018-2029)

5.3.2 World GaN Wafer Defect Inspection System Production Value by Sensitivity (2018-2029)

5.3.3 World GaN Wafer Defect Inspection System Average Price by Sensitivity (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World GaN Wafer Defect Inspection System Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 6 Inch Wafer

6.2.2 8 Inch Wafer

6.2.3 12 Inch Wafer

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World GaN Wafer Defect Inspection System Production by Application (2018-2029)

6.3.2 World GaN Wafer Defect Inspection System Production Value by Application (2018-2029)

6.3.3 World GaN Wafer Defect Inspection System Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Lasertec

7.1.1 Lasertec Details

- 7.1.2 Lasertec Major Business
- 7.1.3 Lasertec GaN Wafer Defect Inspection System Product and Services
- 7.1.4 Lasertec GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 Lasertec Recent Developments/Updates
- 7.1.6 Lasertec Competitive Strengths & Weaknesses
- 7.2 KLA Corporation
 - 7.2.1 KLA Corporation Details
 - 7.2.2 KLA Corporation Major Business
 - 7.2.3 KLA Corporation GaN Wafer Defect Inspection System Product and Services
 - 7.2.4 KLA Corporation GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.2.5 KLA Corporation Recent Developments/Updates
 - 7.2.6 KLA Corporation Competitive Strengths & Weaknesses
- 7.3 Nanotronics
 - 7.3.1 Nanotronics Details
 - 7.3.2 Nanotronics Major Business
 - 7.3.3 Nanotronics GaN Wafer Defect Inspection System Product and Services
 - 7.3.4 Nanotronics GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.3.5 Nanotronics Recent Developments/Updates
 - 7.3.6 Nanotronics Competitive Strengths & Weaknesses
- 7.4 Tokyo Electron
 - 7.4.1 Tokyo Electron Details
 - 7.4.2 Tokyo Electron Major Business
 - 7.4.3 Tokyo Electron GaN Wafer Defect Inspection System Product and Services
 - 7.4.4 Tokyo Electron GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.4.5 Tokyo Electron Recent Developments/Updates
 - 7.4.6 Tokyo Electron Competitive Strengths & Weaknesses
- 7.5 YGK Corporation
 - 7.5.1 YGK Corporation Details
 - 7.5.2 YGK Corporation Major Business
 - 7.5.3 YGK Corporation GaN Wafer Defect Inspection System Product and Services
 - 7.5.4 YGK Corporation GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 YGK Corporation Recent Developments/Updates
 - 7.5.6 YGK Corporation Competitive Strengths & Weaknesses
- 7.6 Intego GmbH

- 7.6.1 Intego GmbH Details
- 7.6.2 Intego GmbH Major Business
- 7.6.3 Intego GmbH GaN Wafer Defect Inspection System Product and Services
- 7.6.4 Intego GmbH GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.6.5 Intego GmbH Recent Developments/Updates
- 7.6.6 Intego GmbH Competitive Strengths & Weaknesses
- 7.7 LAZIN Co
 - 7.7.1 LAZIN Co Details
 - 7.7.2 LAZIN Co Major Business
 - 7.7.3 LAZIN Co GaN Wafer Defect Inspection System Product and Services
 - 7.7.4 LAZIN Co GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 LAZIN Co Recent Developments/Updates
 - 7.7.6 LAZIN Co Competitive Strengths & Weaknesses
- 7.8 Angkun Vision
 - 7.8.1 Angkun Vision Details
 - 7.8.2 Angkun Vision Major Business
 - 7.8.3 Angkun Vision GaN Wafer Defect Inspection System Product and Services
 - 7.8.4 Angkun Vision GaN Wafer Defect Inspection System Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Angkun Vision Recent Developments/Updates
 - 7.8.6 Angkun Vision Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 GaN Wafer Defect Inspection System Industry Chain
- 8.2 GaN Wafer Defect Inspection System Upstream Analysis
 - 8.2.1 GaN Wafer Defect Inspection System Core Raw Materials
 - 8.2.2 Main Manufacturers of GaN Wafer Defect Inspection System Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 GaN Wafer Defect Inspection System Production Mode
- 8.6 GaN Wafer Defect Inspection System Procurement Model
- 8.7 GaN Wafer Defect Inspection System Industry Sales Model and Sales Channels
 - 8.7.1 GaN Wafer Defect Inspection System Sales Model
 - 8.7.2 GaN Wafer Defect Inspection System Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World GaN Wafer Defect Inspection System Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World GaN Wafer Defect Inspection System Production Value by Region (2018-2023) & (USD Million)

Table 3. World GaN Wafer Defect Inspection System Production Value by Region (2024-2029) & (USD Million)

Table 4. World GaN Wafer Defect Inspection System Production Value Market Share by Region (2018-2023)

Table 5. World GaN Wafer Defect Inspection System Production Value Market Share by Region (2024-2029)

Table 6. World GaN Wafer Defect Inspection System Production by Region (2018-2023) & (Units)

Table 7. World GaN Wafer Defect Inspection System Production by Region (2024-2029) & (Units)

Table 8. World GaN Wafer Defect Inspection System Production Market Share by Region (2018-2023)

Table 9. World GaN Wafer Defect Inspection System Production Market Share by Region (2024-2029)

Table 10. World GaN Wafer Defect Inspection System Average Price by Region (2018-2023) & (K USD/Unit)

Table 11. World GaN Wafer Defect Inspection System Average Price by Region (2024-2029) & (K USD/Unit)

Table 12. GaN Wafer Defect Inspection System Major Market Trends

Table 13. World GaN Wafer Defect Inspection System Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)

Table 14. World GaN Wafer Defect Inspection System Consumption by Region (2018-2023) & (Units)

Table 15. World GaN Wafer Defect Inspection System Consumption Forecast by Region (2024-2029) & (Units)

Table 16. World GaN Wafer Defect Inspection System Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key GaN Wafer Defect Inspection System Producers in 2022

Table 18. World GaN Wafer Defect Inspection System Production by Manufacturer (2018-2023) & (Units)

Table 19. Production Market Share of Key GaN Wafer Defect Inspection System Producers in 2022

Table 20. World GaN Wafer Defect Inspection System Average Price by Manufacturer (2018-2023) & (K USD/Unit)

Table 21. Global GaN Wafer Defect Inspection System Company Evaluation Quadrant

Table 22. World GaN Wafer Defect Inspection System Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and GaN Wafer Defect Inspection System Production Site of Key Manufacturer

Table 24. GaN Wafer Defect Inspection System Market: Company Product Type Footprint

Table 25. GaN Wafer Defect Inspection System Market: Company Product Application Footprint

Table 26. GaN Wafer Defect Inspection System Competitive Factors

Table 27. GaN Wafer Defect Inspection System New Entrant and Capacity Expansion Plans

Table 28. GaN Wafer Defect Inspection System Mergers & Acquisitions Activity

Table 29. United States VS China GaN Wafer Defect Inspection System Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China GaN Wafer Defect Inspection System Production Comparison, (2018 & 2022 & 2029) & (Units)

Table 31. United States VS China GaN Wafer Defect Inspection System Consumption Comparison, (2018 & 2022 & 2029) & (Units)

Table 32. United States Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers GaN Wafer Defect Inspection System Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers GaN Wafer Defect Inspection System Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023) & (Units)

Table 36. United States Based Manufacturers GaN Wafer Defect Inspection System Production Market Share (2018-2023)

Table 37. China Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers GaN Wafer Defect Inspection System Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers GaN Wafer Defect Inspection System Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023) & (Units)

Table 41. China Based Manufacturers GaN Wafer Defect Inspection System Production Market Share (2018-2023)

Table 42. Rest of World Based GaN Wafer Defect Inspection System Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production Market Share (2018-2023)

Table 47. World GaN Wafer Defect Inspection System Production Value by Sensitivity, (USD Million), 2018 & 2022 & 2029

Table 48. World GaN Wafer Defect Inspection System Production by Sensitivity (2018-2023) & (Units)

Table 49. World GaN Wafer Defect Inspection System Production by Sensitivity (2024-2029) & (Units)

Table 50. World GaN Wafer Defect Inspection System Production Value by Sensitivity (2018-2023) & (USD Million)

Table 51. World GaN Wafer Defect Inspection System Production Value by Sensitivity (2024-2029) & (USD Million)

Table 52. World GaN Wafer Defect Inspection System Average Price by Sensitivity (2018-2023) & (K USD/Unit)

Table 53. World GaN Wafer Defect Inspection System Average Price by Sensitivity (2024-2029) & (K USD/Unit)

Table 54. World GaN Wafer Defect Inspection System Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World GaN Wafer Defect Inspection System Production by Application (2018-2023) & (Units)

Table 56. World GaN Wafer Defect Inspection System Production by Application (2024-2029) & (Units)

Table 57. World GaN Wafer Defect Inspection System Production Value by Application (2018-2023) & (USD Million)

Table 58. World GaN Wafer Defect Inspection System Production Value by Application (2024-2029) & (USD Million)

Table 59. World GaN Wafer Defect Inspection System Average Price by Application

(2018-2023) & (K USD/Unit)

Table 60. World GaN Wafer Defect Inspection System Average Price by Application (2024-2029) & (K USD/Unit)

Table 61. Lasertec Basic Information, Manufacturing Base and Competitors

Table 62. Lasertec Major Business

Table 63. Lasertec GaN Wafer Defect Inspection System Product and Services

Table 64. Lasertec GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Lasertec Recent Developments/Updates

Table 66. Lasertec Competitive Strengths & Weaknesses

Table 67. KLA Corporation Basic Information, Manufacturing Base and Competitors

Table 68. KLA Corporation Major Business

Table 69. KLA Corporation GaN Wafer Defect Inspection System Product and Services

Table 70. KLA Corporation GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. KLA Corporation Recent Developments/Updates

Table 72. KLA Corporation Competitive Strengths & Weaknesses

Table 73. Nanotronics Basic Information, Manufacturing Base and Competitors

Table 74. Nanotronics Major Business

Table 75. Nanotronics GaN Wafer Defect Inspection System Product and Services

Table 76. Nanotronics GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Nanotronics Recent Developments/Updates

Table 78. Nanotronics Competitive Strengths & Weaknesses

Table 79. Tokyo Electron Basic Information, Manufacturing Base and Competitors

Table 80. Tokyo Electron Major Business

Table 81. Tokyo Electron GaN Wafer Defect Inspection System Product and Services

Table 82. Tokyo Electron GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Tokyo Electron Recent Developments/Updates

Table 84. Tokyo Electron Competitive Strengths & Weaknesses

Table 85. YGK Corporation Basic Information, Manufacturing Base and Competitors

Table 86. YGK Corporation Major Business

Table 87. YGK Corporation GaN Wafer Defect Inspection System Product and Services

Table 88. YGK Corporation GaN Wafer Defect Inspection System Production (Units),

Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. YGK Corporation Recent Developments/Updates

Table 90. YGK Corporation Competitive Strengths & Weaknesses

Table 91. Intego GmbH Basic Information, Manufacturing Base and Competitors

Table 92. Intego GmbH Major Business

Table 93. Intego GmbH GaN Wafer Defect Inspection System Product and Services

Table 94. Intego GmbH GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Intego GmbH Recent Developments/Updates

Table 96. Intego GmbH Competitive Strengths & Weaknesses

Table 97. LAZIN Co Basic Information, Manufacturing Base and Competitors

Table 98. LAZIN Co Major Business

Table 99. LAZIN Co GaN Wafer Defect Inspection System Product and Services

Table 100. LAZIN Co GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. LAZIN Co Recent Developments/Updates

Table 102. Angkun Vision Basic Information, Manufacturing Base and Competitors

Table 103. Angkun Vision Major Business

Table 104. Angkun Vision GaN Wafer Defect Inspection System Product and Services

Table 105. Angkun Vision GaN Wafer Defect Inspection System Production (Units), Price (K USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 106. Global Key Players of GaN Wafer Defect Inspection System Upstream (Raw Materials)

Table 107. GaN Wafer Defect Inspection System Typical Customers

Table 108. GaN Wafer Defect Inspection System Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. GaN Wafer Defect Inspection System Picture
- Figure 2. World GaN Wafer Defect Inspection System Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World GaN Wafer Defect Inspection System Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 5. World GaN Wafer Defect Inspection System Average Price (2018-2029) & (K USD/Unit)
- Figure 6. World GaN Wafer Defect Inspection System Production Value Market Share by Region (2018-2029)
- Figure 7. World GaN Wafer Defect Inspection System Production Market Share by Region (2018-2029)
- Figure 8. North America GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 9. Europe GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 10. China GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 11. Japan GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 12. South Korea GaN Wafer Defect Inspection System Production (2018-2029) & (Units)
- Figure 13. GaN Wafer Defect Inspection System Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)
- Figure 16. World GaN Wafer Defect Inspection System Consumption Market Share by Region (2018-2029)
- Figure 17. United States GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)
- Figure 18. China GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)
- Figure 19. Europe GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)
- Figure 20. Japan GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)

(Units)

Figure 21. South Korea GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)

Figure 22. ASEAN GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)

Figure 23. India GaN Wafer Defect Inspection System Consumption (2018-2029) & (Units)

Figure 24. Producer Shipments of GaN Wafer Defect Inspection System by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for GaN Wafer Defect Inspection System Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for GaN Wafer Defect Inspection System Markets in 2022

Figure 27. United States VS China: GaN Wafer Defect Inspection System Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: GaN Wafer Defect Inspection System Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: GaN Wafer Defect Inspection System Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers GaN Wafer Defect Inspection System Production Market Share 2022

Figure 31. China Based Manufacturers GaN Wafer Defect Inspection System Production Market Share 2022

Figure 32. Rest of World Based Manufacturers GaN Wafer Defect Inspection System Production Market Share 2022

Figure 33. World GaN Wafer Defect Inspection System Production Value by Sensitivity, (USD Million), 2018 & 2022 & 2029

Figure 34. World GaN Wafer Defect Inspection System Production Value Market Share by Sensitivity in 2022

Figure 35. Below 0.1 μ m

Figure 36. 0.1-10 μ m

Figure 37. World GaN Wafer Defect Inspection System Production Market Share by Sensitivity (2018-2029)

Figure 38. World GaN Wafer Defect Inspection System Production Value Market Share by Sensitivity (2018-2029)

Figure 39. World GaN Wafer Defect Inspection System Average Price by Sensitivity (2018-2029) & (K USD/Unit)

Figure 40. World GaN Wafer Defect Inspection System Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World GaN Wafer Defect Inspection System Production Value Market Share by Application in 2022

Figure 42. 6 Inch Wafer

Figure 43. 8 Inch Wafer

Figure 44. 12 Inch Wafer

Figure 45. Others

Figure 46. World GaN Wafer Defect Inspection System Production Market Share by Application (2018-2029)

Figure 47. World GaN Wafer Defect Inspection System Production Value Market Share by Application (2018-2029)

Figure 48. World GaN Wafer Defect Inspection System Average Price by Application (2018-2029) & (K USD/Unit)

Figure 49. GaN Wafer Defect Inspection System Industry Chain

Figure 50. GaN Wafer Defect Inspection System Procurement Model

Figure 51. GaN Wafer Defect Inspection System Sales Model

Figure 52. GaN Wafer Defect Inspection System Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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