

Global LED Defect Detection Equipment Market Growth 2026-2032

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Abstracts

The global LED Defect Detection Equipment market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

LED defect detection equipment is a kind of equipment used to detect surface defects of LED products. LED products may have various defects during the manufacturing process, such as uneven brightness, color difference, and damage to lamp beads. LED defect detection equipment uses optics, image processing and other technologies to quickly and accurately detect LED products to ensure product quality. These devices usually include light source, camera, image processing software and other components, which can conduct comprehensive detection and analysis of LED products, and help manufacturers improve product quality and production efficiency.

United States market for LED Defect Detection Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for LED Defect Detection Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for LED Defect Detection Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key LED Defect Detection Equipment players cover Aixtron SE, Applied Materials, Inc., ASML Holding N.V., Carl Zeiss AG, Cree, Inc., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “LED Defect Detection Equipment Industry Forecast” looks at past sales and reviews total world LED Defect Detection Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected LED Defect Detection Equipment sales for 2026 through 2032. With LED Defect Detection Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world LED Defect Detection Equipment industry.

This Insight Report provides a comprehensive analysis of the global LED Defect Detection Equipment landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on LED Defect Detection Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global LED Defect Detection Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for LED Defect Detection Equipment and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global LED Defect Detection Equipment.

This report presents a comprehensive overview, market shares, and growth opportunities of LED Defect Detection Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Line Scan Type LED Defect Inspection Equipment

Surface Scanning LED Defect Inspection Equipment

Segmentation by Application:

LED Display Manufacturing Industry

LED Lighting Manufacturing Industry

LED Chip Manufacturing Industry

LED Packaging Manufacturing Industry

LED Application Product Quality Inspection Industry

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Aixtron SE

Applied Materials, Inc.

ASML Holding N.V.

Carl Zeiss AG

Cree, Inc.

Epistar Corporation

Hitachi High-Technologies Corporation

KLA Corporation

Lam Research Corporation

Nichia Corporation

OSRAM Licht AG

Seoul Semiconductor Co., Ltd.

Shimadzu Corporation

Thorlabs, Inc.

Tokyo Electron Limited

Veeco Instruments Inc.

Key Questions Addressed in this Report

What is the 10-year outlook for the global LED Defect Detection Equipment market?

What factors are driving LED Defect Detection Equipment market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do LED Defect Detection Equipment market opportunities vary by end market size?

How does LED Defect Detection Equipment break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global LED Defect Detection Equipment Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for LED Defect Detection Equipment by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for LED Defect Detection Equipment by Country/Region, 2021, 2025 & 2032
- 2.2 LED Defect Detection Equipment Segment by Type
 - 2.2.1 Line Scan Type LED Defect Inspection Equipment
 - 2.2.2 Surface Scanning LED Defect Inspection Equipment
 - 2.2.3 LED Defect Detection Equipment Sales by Type
 - 2.2.3.1 Global LED Defect Detection Equipment Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global LED Defect Detection Equipment Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global LED Defect Detection Equipment Sale Price by Type (2021-2026)
- 2.3 LED Defect Detection Equipment Segment by Application
 - 2.3.1 LED Display Manufacturing Industry
 - 2.3.2 LED Lighting Manufacturing Industry
 - 2.3.3 LED Chip Manufacturing Industry
 - 2.3.4 LED Packaging Manufacturing Industry
 - 2.3.5 LED Application Product Quality Inspection Industry
 - 2.3.6 LED Defect Detection Equipment Sales by Application
 - 2.3.6.1 Global LED Defect Detection Equipment Sale Market Share by Application (2021-2026)

2.3.6.2 Global LED Defect Detection Equipment Revenue and Market Share by Application (2021-2026)

2.3.6.3 Global LED Defect Detection Equipment Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global LED Defect Detection Equipment Breakdown Data by Company

3.1.1 Global LED Defect Detection Equipment Annual Sales by Company (2021-2026)

3.1.2 Global LED Defect Detection Equipment Sales Market Share by Company (2021-2026)

3.2 Global LED Defect Detection Equipment Annual Revenue by Company (2021-2026)

3.2.1 Global LED Defect Detection Equipment Revenue by Company (2021-2026)

3.2.2 Global LED Defect Detection Equipment Revenue Market Share by Company (2021-2026)

3.3 Global LED Defect Detection Equipment Sale Price by Company

3.4 Key Manufacturers LED Defect Detection Equipment Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers LED Defect Detection Equipment Product Location Distribution

3.4.2 Players LED Defect Detection Equipment Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR LED DEFECT DETECTION EQUIPMENT BY GEOGRAPHIC REGION

4.1 World Historic LED Defect Detection Equipment Market Size by Geographic Region (2021-2026)

4.1.1 Global LED Defect Detection Equipment Annual Sales by Geographic Region (2021-2026)

4.1.2 Global LED Defect Detection Equipment Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic LED Defect Detection Equipment Market Size by Country/Region (2021-2026)

4.2.1 Global LED Defect Detection Equipment Annual Sales by Country/Region

(2021-2026)

4.2.2 Global LED Defect Detection Equipment Annual Revenue by Country/Region

(2021-2026)

4.3 Americas LED Defect Detection Equipment Sales Growth

4.4 APAC LED Defect Detection Equipment Sales Growth

4.5 Europe LED Defect Detection Equipment Sales Growth

4.6 Middle East & Africa LED Defect Detection Equipment Sales Growth

5 AMERICAS

5.1 Americas LED Defect Detection Equipment Sales by Country

5.1.1 Americas LED Defect Detection Equipment Sales by Country (2021-2026)

5.1.2 Americas LED Defect Detection Equipment Revenue by Country (2021-2026)

5.2 Americas LED Defect Detection Equipment Sales by Type (2021-2026)

5.3 Americas LED Defect Detection Equipment Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC LED Defect Detection Equipment Sales by Region

6.1.1 APAC LED Defect Detection Equipment Sales by Region (2021-2026)

6.1.2 APAC LED Defect Detection Equipment Revenue by Region (2021-2026)

6.2 APAC LED Defect Detection Equipment Sales by Type (2021-2026)

6.3 APAC LED Defect Detection Equipment Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe LED Defect Detection Equipment by Country

7.1.1 Europe LED Defect Detection Equipment Sales by Country (2021-2026)

- 7.1.2 Europe LED Defect Detection Equipment Revenue by Country (2021-2026)
- 7.2 Europe LED Defect Detection Equipment Sales by Type (2021-2026)
- 7.3 Europe LED Defect Detection Equipment Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa LED Defect Detection Equipment by Country
 - 8.1.1 Middle East & Africa LED Defect Detection Equipment Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa LED Defect Detection Equipment Revenue by Country (2021-2026)
- 8.2 Middle East & Africa LED Defect Detection Equipment Sales by Type (2021-2026)
- 8.3 Middle East & Africa LED Defect Detection Equipment Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of LED Defect Detection Equipment
- 10.3 Manufacturing Process Analysis of LED Defect Detection Equipment
- 10.4 Industry Chain Structure of LED Defect Detection Equipment

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 LED Defect Detection Equipment Distributors

11.3 LED Defect Detection Equipment Customer

12 WORLD FORECAST REVIEW FOR LED DEFECT DETECTION EQUIPMENT BY GEOGRAPHIC REGION

12.1 Global LED Defect Detection Equipment Market Size Forecast by Region

12.1.1 Global LED Defect Detection Equipment Forecast by Region (2027-2032)

12.1.2 Global LED Defect Detection Equipment Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global LED Defect Detection Equipment Forecast by Type (2027-2032)

12.7 Global LED Defect Detection Equipment Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Aixtron SE

13.1.1 Aixtron SE Company Information

13.1.2 Aixtron SE LED Defect Detection Equipment Product Portfolios and Specifications

13.1.3 Aixtron SE LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Aixtron SE Main Business Overview

13.1.5 Aixtron SE Latest Developments

13.2 Applied Materials, Inc.

13.2.1 Applied Materials, Inc. Company Information

13.2.2 Applied Materials, Inc. LED Defect Detection Equipment Product Portfolios and Specifications

13.2.3 Applied Materials, Inc. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Applied Materials, Inc. Main Business Overview

13.2.5 Applied Materials, Inc. Latest Developments

13.3 ASML Holding N.V.

13.3.1 ASML Holding N.V. Company Information

13.3.2 ASML Holding N.V. LED Defect Detection Equipment Product Portfolios and Specifications

13.3.3 ASML Holding N.V. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 ASML Holding N.V. Main Business Overview

13.3.5 ASML Holding N.V. Latest Developments

13.4 Carl Zeiss AG

13.4.1 Carl Zeiss AG Company Information

13.4.2 Carl Zeiss AG LED Defect Detection Equipment Product Portfolios and Specifications

13.4.3 Carl Zeiss AG LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Carl Zeiss AG Main Business Overview

13.4.5 Carl Zeiss AG Latest Developments

13.5 Cree, Inc.

13.5.1 Cree, Inc. Company Information

13.5.2 Cree, Inc. LED Defect Detection Equipment Product Portfolios and Specifications

13.5.3 Cree, Inc. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Cree, Inc. Main Business Overview

13.5.5 Cree, Inc. Latest Developments

13.6 Epistar Corporation

13.6.1 Epistar Corporation Company Information

13.6.2 Epistar Corporation LED Defect Detection Equipment Product Portfolios and Specifications

13.6.3 Epistar Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Epistar Corporation Main Business Overview

13.6.5 Epistar Corporation Latest Developments

13.7 Hitachi High-Technologies Corporation

13.7.1 Hitachi High-Technologies Corporation Company Information

13.7.2 Hitachi High-Technologies Corporation LED Defect Detection Equipment Product Portfolios and Specifications

13.7.3 Hitachi High-Technologies Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Hitachi High-Technologies Corporation Main Business Overview

- 13.7.5 Hitachi High-Technologies Corporation Latest Developments
- 13.8 KLA Corporation
 - 13.8.1 KLA Corporation Company Information
 - 13.8.2 KLA Corporation LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.8.3 KLA Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.8.4 KLA Corporation Main Business Overview
 - 13.8.5 KLA Corporation Latest Developments
- 13.9 Lam Research Corporation
 - 13.9.1 Lam Research Corporation Company Information
 - 13.9.2 Lam Research Corporation LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.9.3 Lam Research Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 Lam Research Corporation Main Business Overview
 - 13.9.5 Lam Research Corporation Latest Developments
- 13.10 Nichia Corporation
 - 13.10.1 Nichia Corporation Company Information
 - 13.10.2 Nichia Corporation LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.10.3 Nichia Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 Nichia Corporation Main Business Overview
 - 13.10.5 Nichia Corporation Latest Developments
- 13.11 OSRAM Licht AG
 - 13.11.1 OSRAM Licht AG Company Information
 - 13.11.2 OSRAM Licht AG LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.11.3 OSRAM Licht AG LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 OSRAM Licht AG Main Business Overview
 - 13.11.5 OSRAM Licht AG Latest Developments
- 13.12 Seoul Semiconductor Co., Ltd.
 - 13.12.1 Seoul Semiconductor Co., Ltd. Company Information
 - 13.12.2 Seoul Semiconductor Co., Ltd. LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.12.3 Seoul Semiconductor Co., Ltd. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.12.4 Seoul Semiconductor Co., Ltd. Main Business Overview
- 13.12.5 Seoul Semiconductor Co., Ltd. Latest Developments
- 13.13 Shimadzu Corporation
 - 13.13.1 Shimadzu Corporation Company Information
 - 13.13.2 Shimadzu Corporation LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.13.3 Shimadzu Corporation LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Shimadzu Corporation Main Business Overview
 - 13.13.5 Shimadzu Corporation Latest Developments
- 13.14 Thorlabs, Inc.
 - 13.14.1 Thorlabs, Inc. Company Information
 - 13.14.2 Thorlabs, Inc. LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.14.3 Thorlabs, Inc. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 Thorlabs, Inc. Main Business Overview
 - 13.14.5 Thorlabs, Inc. Latest Developments
- 13.15 Tokyo Electron Limited
 - 13.15.1 Tokyo Electron Limited Company Information
 - 13.15.2 Tokyo Electron Limited LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.15.3 Tokyo Electron Limited LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Tokyo Electron Limited Main Business Overview
 - 13.15.5 Tokyo Electron Limited Latest Developments
- 13.16 Veeco Instruments Inc.
 - 13.16.1 Veeco Instruments Inc. Company Information
 - 13.16.2 Veeco Instruments Inc. LED Defect Detection Equipment Product Portfolios and Specifications
 - 13.16.3 Veeco Instruments Inc. LED Defect Detection Equipment Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 Veeco Instruments Inc. Main Business Overview
 - 13.16.5 Veeco Instruments Inc. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. LED Defect Detection Equipment Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. LED Defect Detection Equipment Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Line Scan Type LED Defect Inspection Equipment
- Table 4. Major Players of Surface Scanning LED Defect Inspection Equipment
- Table 5. Global LED Defect Detection Equipment Sales by Type (2021-2026) & (Units)
- Table 6. Global LED Defect Detection Equipment Sales Market Share by Type (2021-2026)
- Table 7. Global LED Defect Detection Equipment Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global LED Defect Detection Equipment Revenue Market Share by Type (2021-2026)
- Table 9. Global LED Defect Detection Equipment Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Global LED Defect Detection Equipment Sale by Application (2021-2026) & (Units)
- Table 11. Global LED Defect Detection Equipment Sale Market Share by Application (2021-2026)
- Table 12. Global LED Defect Detection Equipment Revenue by Application (2021-2026) & (\$ million)
- Table 13. Global LED Defect Detection Equipment Revenue Market Share by Application (2021-2026)
- Table 14. Global LED Defect Detection Equipment Sale Price by Application (2021-2026) & (US\$/Unit)
- Table 15. Global LED Defect Detection Equipment Sales by Company (2021-2026) & (Units)
- Table 16. Global LED Defect Detection Equipment Sales Market Share by Company (2021-2026)
- Table 17. Global LED Defect Detection Equipment Revenue by Company (2021-2026) & (\$ millions)
- Table 18. Global LED Defect Detection Equipment Revenue Market Share by Company (2021-2026)
- Table 19. Global LED Defect Detection Equipment Sale Price by Company (2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers LED Defect Detection Equipment Producing Area Distribution and Sales Area

Table 21. Players LED Defect Detection Equipment Products Offered

Table 22. LED Defect Detection Equipment Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global LED Defect Detection Equipment Sales by Geographic Region (2021-2026) & (Units)

Table 26. Global LED Defect Detection Equipment Sales Market Share Geographic Region (2021-2026)

Table 27. Global LED Defect Detection Equipment Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global LED Defect Detection Equipment Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global LED Defect Detection Equipment Sales by Country/Region (2021-2026) & (Units)

Table 30. Global LED Defect Detection Equipment Sales Market Share by Country/Region (2021-2026)

Table 31. Global LED Defect Detection Equipment Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global LED Defect Detection Equipment Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas LED Defect Detection Equipment Sales by Country (2021-2026) & (Units)

Table 34. Americas LED Defect Detection Equipment Sales Market Share by Country (2021-2026)

Table 35. Americas LED Defect Detection Equipment Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas LED Defect Detection Equipment Sales by Type (2021-2026) & (Units)

Table 37. Americas LED Defect Detection Equipment Sales by Application (2021-2026) & (Units)

Table 38. APAC LED Defect Detection Equipment Sales by Region (2021-2026) & (Units)

Table 39. APAC LED Defect Detection Equipment Sales Market Share by Region (2021-2026)

Table 40. APAC LED Defect Detection Equipment Revenue by Region (2021-2026) & (\$ millions)

- Table 41. APAC LED Defect Detection Equipment Sales by Type (2021-2026) & (Units)
- Table 42. APAC LED Defect Detection Equipment Sales by Application (2021-2026) & (Units)
- Table 43. Europe LED Defect Detection Equipment Sales by Country (2021-2026) & (Units)
- Table 44. Europe LED Defect Detection Equipment Revenue by Country (2021-2026) & (\$ millions)
- Table 45. Europe LED Defect Detection Equipment Sales by Type (2021-2026) & (Units)
- Table 46. Europe LED Defect Detection Equipment Sales by Application (2021-2026) & (Units)
- Table 47. Middle East & Africa LED Defect Detection Equipment Sales by Country (2021-2026) & (Units)
- Table 48. Middle East & Africa LED Defect Detection Equipment Revenue Market Share by Country (2021-2026)
- Table 49. Middle East & Africa LED Defect Detection Equipment Sales by Type (2021-2026) & (Units)
- Table 50. Middle East & Africa LED Defect Detection Equipment Sales by Application (2021-2026) & (Units)
- Table 51. Key Market Drivers & Growth Opportunities of LED Defect Detection Equipment
- Table 52. Key Market Challenges & Risks of LED Defect Detection Equipment
- Table 53. Key Industry Trends of LED Defect Detection Equipment
- Table 54. LED Defect Detection Equipment Raw Material
- Table 55. Key Suppliers of Raw Materials
- Table 56. LED Defect Detection Equipment Distributors List
- Table 57. LED Defect Detection Equipment Customer List
- Table 58. Global LED Defect Detection Equipment Sales Forecast by Region (2027-2032) & (Units)
- Table 59. Global LED Defect Detection Equipment Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 60. Americas LED Defect Detection Equipment Sales Forecast by Country (2027-2032) & (Units)
- Table 61. Americas LED Defect Detection Equipment Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 62. APAC LED Defect Detection Equipment Sales Forecast by Region (2027-2032) & (Units)
- Table 63. APAC LED Defect Detection Equipment Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

- Table 64. Europe LED Defect Detection Equipment Sales Forecast by Country (2027-2032) & (Units)
- Table 65. Europe LED Defect Detection Equipment Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 66. Middle East & Africa LED Defect Detection Equipment Sales Forecast by Country (2027-2032) & (Units)
- Table 67. Middle East & Africa LED Defect Detection Equipment Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 68. Global LED Defect Detection Equipment Sales Forecast by Type (2027-2032) & (Units)
- Table 69. Global LED Defect Detection Equipment Revenue Forecast by Type (2027-2032) & (\$ millions)
- Table 70. Global LED Defect Detection Equipment Sales Forecast by Application (2027-2032) & (Units)
- Table 71. Global LED Defect Detection Equipment Revenue Forecast by Application (2027-2032) & (\$ millions)
- Table 72. Aixtron SE Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 73. Aixtron SE LED Defect Detection Equipment Product Portfolios and Specifications
- Table 74. Aixtron SE LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 75. Aixtron SE Main Business
- Table 76. Aixtron SE Latest Developments
- Table 77. Applied Materials, Inc. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 78. Applied Materials, Inc. LED Defect Detection Equipment Product Portfolios and Specifications
- Table 79. Applied Materials, Inc. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 80. Applied Materials, Inc. Main Business
- Table 81. Applied Materials, Inc. Latest Developments
- Table 82. ASML Holding N.V. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 83. ASML Holding N.V. LED Defect Detection Equipment Product Portfolios and Specifications
- Table 84. ASML Holding N.V. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 85. ASML Holding N.V. Main Business

Table 86. ASML Holding N.V. Latest Developments

Table 87. Carl Zeiss AG Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 88. Carl Zeiss AG LED Defect Detection Equipment Product Portfolios and Specifications

Table 89. Carl Zeiss AG LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Carl Zeiss AG Main Business

Table 91. Carl Zeiss AG Latest Developments

Table 92. Cree, Inc. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 93. Cree, Inc. LED Defect Detection Equipment Product Portfolios and Specifications

Table 94. Cree, Inc. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Cree, Inc. Main Business

Table 96. Cree, Inc. Latest Developments

Table 97. Epistar Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 98. Epistar Corporation LED Defect Detection Equipment Product Portfolios and Specifications

Table 99. Epistar Corporation LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Epistar Corporation Main Business

Table 101. Epistar Corporation Latest Developments

Table 102. Hitachi High-Technologies Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 103. Hitachi High-Technologies Corporation LED Defect Detection Equipment Product Portfolios and Specifications

Table 104. Hitachi High-Technologies Corporation LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Hitachi High-Technologies Corporation Main Business

Table 106. Hitachi High-Technologies Corporation Latest Developments

Table 107. KLA Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 108. KLA Corporation LED Defect Detection Equipment Product Portfolios and Specifications

Table 109. KLA Corporation LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

- Table 110. KLA Corporation Main Business
- Table 111. KLA Corporation Latest Developments
- Table 112. Lam Research Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 113. Lam Research Corporation LED Defect Detection Equipment Product Portfolios and Specifications
- Table 114. Lam Research Corporation LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 115. Lam Research Corporation Main Business
- Table 116. Lam Research Corporation Latest Developments
- Table 117. Nichia Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 118. Nichia Corporation LED Defect Detection Equipment Product Portfolios and Specifications
- Table 119. Nichia Corporation LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 120. Nichia Corporation Main Business
- Table 121. Nichia Corporation Latest Developments
- Table 122. OSRAM Licht AG Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 123. OSRAM Licht AG LED Defect Detection Equipment Product Portfolios and Specifications
- Table 124. OSRAM Licht AG LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 125. OSRAM Licht AG Main Business
- Table 126. OSRAM Licht AG Latest Developments
- Table 127. Seoul Semiconductor Co., Ltd. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 128. Seoul Semiconductor Co., Ltd. LED Defect Detection Equipment Product Portfolios and Specifications
- Table 129. Seoul Semiconductor Co., Ltd. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 130. Seoul Semiconductor Co., Ltd. Main Business
- Table 131. Seoul Semiconductor Co., Ltd. Latest Developments
- Table 132. Shimadzu Corporation Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors
- Table 133. Shimadzu Corporation LED Defect Detection Equipment Product Portfolios and Specifications
- Table 134. Shimadzu Corporation LED Defect Detection Equipment Sales (Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Shimadzu Corporation Main Business

Table 136. Shimadzu Corporation Latest Developments

Table 137. Thorlabs, Inc. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 138. Thorlabs, Inc. LED Defect Detection Equipment Product Portfolios and Specifications

Table 139. Thorlabs, Inc. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. Thorlabs, Inc. Main Business

Table 141. Thorlabs, Inc. Latest Developments

Table 142. Tokyo Electron Limited Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 143. Tokyo Electron Limited LED Defect Detection Equipment Product Portfolios and Specifications

Table 144. Tokyo Electron Limited LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. Tokyo Electron Limited Main Business

Table 146. Tokyo Electron Limited Latest Developments

Table 147. Veeco Instruments Inc. Basic Information, LED Defect Detection Equipment Manufacturing Base, Sales Area and Its Competitors

Table 148. Veeco Instruments Inc. LED Defect Detection Equipment Product Portfolios and Specifications

Table 149. Veeco Instruments Inc. LED Defect Detection Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. Veeco Instruments Inc. Main Business

Table 151. Veeco Instruments Inc. Latest Developments

LIST OF TABLES

Figure 1. Picture of LED Defect Detection Equipment

Figure 2. LED Defect Detection Equipment Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global LED Defect Detection Equipment Sales Growth Rate 2021-2032 (Units)

Figure 7. Global LED Defect Detection Equipment Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. LED Defect Detection Equipment Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. LED Defect Detection Equipment Sales Market Share by Country/Region (2025)

Figure 10. LED Defect Detection Equipment Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Line Scan Type LED Defect Inspection Equipment

Figure 12. Product Picture of Surface Scanning LED Defect Inspection Equipment

Figure 13. Global LED Defect Detection Equipment Sales Market Share by Type in 2026

Figure 14. Global LED Defect Detection Equipment Revenue Market Share by Type (2021-2026)

Figure 15. LED Defect Detection Equipment Consumed in LED Display Manufacturing Industry

Figure 16. Global LED Defect Detection Equipment Market: LED Display Manufacturing Industry (2021-2026) & (Units)

Figure 17. LED Defect Detection Equipment Consumed in LED Lighting Manufacturing Industry

Figure 18. Global LED Defect Detection Equipment Market: LED Lighting Manufacturing Industry (2021-2026) & (Units)

Figure 19. LED Defect Detection Equipment Consumed in LED Chip Manufacturing Industry

Figure 20. Global LED Defect Detection Equipment Market: LED Chip Manufacturing Industry (2021-2026) & (Units)

Figure 21. LED Defect Detection Equipment Consumed in LED Packaging Manufacturing Industry

Figure 22. Global LED Defect Detection Equipment Market: LED Packaging Manufacturing Industry (2021-2026) & (Units)

Figure 23. LED Defect Detection Equipment Consumed in LED Application Product Quality Inspection Industry

Figure 24. Global LED Defect Detection Equipment Market: LED Application Product Quality Inspection Industry (2021-2026) & (Units)

Figure 25. Global LED Defect Detection Equipment Sale Market Share by Application (2025)

Figure 26. Global LED Defect Detection Equipment Revenue Market Share by Application in 2026

Figure 27. LED Defect Detection Equipment Sales by Company in 2026 (Units)

Figure 28. Global LED Defect Detection Equipment Sales Market Share by Company in 2026

- Figure 29. LED Defect Detection Equipment Revenue by Company in 2026 (\$ millions)
- Figure 30. Global LED Defect Detection Equipment Revenue Market Share by Company in 2026
- Figure 31. Global LED Defect Detection Equipment Sales Market Share by Geographic Region (2021-2026)
- Figure 32. Global LED Defect Detection Equipment Revenue Market Share by Geographic Region in 2026
- Figure 33. Americas LED Defect Detection Equipment Sales 2021-2026 (Units)
- Figure 34. Americas LED Defect Detection Equipment Revenue 2021-2026 (\$ millions)
- Figure 35. APAC LED Defect Detection Equipment Sales 2021-2026 (Units)
- Figure 36. APAC LED Defect Detection Equipment Revenue 2021-2026 (\$ millions)
- Figure 37. Europe LED Defect Detection Equipment Sales 2021-2026 (Units)
- Figure 38. Europe LED Defect Detection Equipment Revenue 2021-2026 (\$ millions)
- Figure 39. Middle East & Africa LED Defect Detection Equipment Sales 2021-2026 (Units)
- Figure 40. Middle East & Africa LED Defect Detection Equipment Revenue 2021-2026 (\$ millions)
- Figure 41. Americas LED Defect Detection Equipment Sales Market Share by Country in 2026
- Figure 42. Americas LED Defect Detection Equipment Revenue Market Share by Country (2021-2026)
- Figure 43. Americas LED Defect Detection Equipment Sales Market Share by Type (2021-2026)
- Figure 44. Americas LED Defect Detection Equipment Sales Market Share by Application (2021-2026)
- Figure 45. United States LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)
- Figure 46. Canada LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)
- Figure 47. Mexico LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)
- Figure 48. Brazil LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)
- Figure 49. APAC LED Defect Detection Equipment Sales Market Share by Region in 2026
- Figure 50. APAC LED Defect Detection Equipment Revenue Market Share by Region (2021-2026)
- Figure 51. APAC LED Defect Detection Equipment Sales Market Share by Type (2021-2026)

Figure 52. APAC LED Defect Detection Equipment Sales Market Share by Application (2021-2026)

Figure 53. China LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 54. Japan LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 55. South Korea LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 56. Southeast Asia LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 57. India LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 58. Australia LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 59. China Taiwan LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 60. Europe LED Defect Detection Equipment Sales Market Share by Country in 2026

Figure 61. Europe LED Defect Detection Equipment Revenue Market Share by Country (2021-2026)

Figure 62. Europe LED Defect Detection Equipment Sales Market Share by Type (2021-2026)

Figure 63. Europe LED Defect Detection Equipment Sales Market Share by Application (2021-2026)

Figure 64. Germany LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 65. France LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 66. UK LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 67. Italy LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 68. Russia LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 69. Middle East & Africa LED Defect Detection Equipment Sales Market Share by Country (2021-2026)

Figure 70. Middle East & Africa LED Defect Detection Equipment Sales Market Share by Type (2021-2026)

Figure 71. Middle East & Africa LED Defect Detection Equipment Sales Market Share

by Application (2021-2026)

Figure 72. Egypt LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 73. South Africa LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 74. Israel LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 75. Turkey LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 76. GCC Countries LED Defect Detection Equipment Revenue Growth 2021-2026 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of LED Defect Detection Equipment in 2026

Figure 78. Manufacturing Process Analysis of LED Defect Detection Equipment

Figure 79. Industry Chain Structure of LED Defect Detection Equipment

Figure 80. Channels of Distribution

Figure 81. Global LED Defect Detection Equipment Sales Market Forecast by Region (2027-2032)

Figure 82. Global LED Defect Detection Equipment Revenue Market Share Forecast by Region (2027-2032)

Figure 83. Global LED Defect Detection Equipment Sales Market Share Forecast by Type (2027-2032)

Figure 84. Global LED Defect Detection Equipment Revenue Market Share Forecast by Type (2027-2032)

Figure 85. Global LED Defect Detection Equipment Sales Market Share Forecast by Application (2027-2032)

Figure 86. Global LED Defect Detection Equipment Revenue Market Share Forecast by Application (2027-2032)

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