

Laser Displacement Sensor Industry Research Report 2024

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Abstracts

Summary

Laser displacement sensors also called laser distance sensors, are comprised of a light-emitting element and a position sensitive detector (PSD). A semiconductor laser is used as the light emitting element. A lens focuses the beam on the target. The target reflects the beam back through the lens where it is focused on the position-sensitive detector (PSD), forming a beam spot. The beam spot moves as the target moves. Displacement can be determined by detecting the movement of the beam spot.

According to APO Research, The global Laser Displacement Sensor market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for Laser Displacement Sensor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Laser Displacement Sensor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Laser Displacement Sensor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Laser Displacement Sensor include , etc. In 2023,

the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Laser Displacement Sensor, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Laser Displacement Sensor.

The report will help the Laser Displacement Sensor manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Laser Displacement Sensor market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Laser Displacement Sensor market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

KEYENCE

SICK

Panasonic

OMRON

COGNEX

Turck

Micro-Epsilon

BANNER

Baumer

OPTEX

Leuze

ELAG

SENSOPART

Pepperl&Fuchs

Balluff

Sunny Optical

Acuity

MTI Instruments

Laser Displacement Sensor segment by Resolution

Below 2 μ m

3 ~ 10 μ m

11 ~ 50 μ m

51 ~ 100 μ m

101 ~ 500 μ m

Others

Laser Displacement Sensor segment by Application

Automotive Industry

Aerospace & Military Industry

Industrial Manufacturing

Electronics and Photovoltaic Industry

Others

Laser Displacement Sensor Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Laser Displacement Sensor market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Laser Displacement Sensor and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Laser Displacement Sensor.
7. This report helps stakeholders to identify some of the key players in the market and

understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, 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 market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Laser Displacement Sensor manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Laser Displacement Sensor by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Laser Displacement Sensor in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by resolution, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, 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 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Laser Displacement Sensor by Resolution
 - 2.2.1 Market Value Comparison by Resolution (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Below 2 μ m
 - 2.2.3 3 ~ 10 μ m
 - 2.2.4 11 ~ 50 μ m
 - 2.2.5 51 ~ 100 μ m
 - 2.2.6 101 ~ 500 μ m
 - 2.2.7 Others
- 2.3 Laser Displacement Sensor by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Automotive Industry
 - 2.3.3 Aerospace & Military Industry
 - 2.3.4 Industrial Manufacturing
 - 2.3.5 Electronics and Photovoltaic Industry
 - 2.3.6 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Laser Displacement Sensor Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Laser Displacement Sensor Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Laser Displacement Sensor Production Estimates and Forecasts (2019-2030)

2.4.4 Global Laser Displacement Sensor Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

3.1 Global Laser Displacement Sensor Production by Manufacturers (2019-2024)

3.2 Global Laser Displacement Sensor Production Value by Manufacturers (2019-2024)

3.3 Global Laser Displacement Sensor Average Price by Manufacturers (2019-2024)

3.4 Global Laser Displacement Sensor Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

3.5 Global Laser Displacement Sensor Key Manufacturers, Manufacturing Sites & Headquarters

3.6 Global Laser Displacement Sensor Manufacturers, Product Type & Application

3.7 Global Laser Displacement Sensor Manufacturers, Date of Enter into This Industry

3.8 Global Laser Displacement Sensor Market CR5 and HHI

3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 KEYENCE

4.1.1 KEYENCE Laser Displacement Sensor Company Information

4.1.2 KEYENCE Laser Displacement Sensor Business Overview

4.1.3 KEYENCE Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)

4.1.4 KEYENCE Product Portfolio

4.1.5 KEYENCE Recent Developments

4.2 SICK

4.2.1 SICK Laser Displacement Sensor Company Information

4.2.2 SICK Laser Displacement Sensor Business Overview

4.2.3 SICK Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)

4.2.4 SICK Product Portfolio

4.2.5 SICK Recent Developments

4.3 Panasonic

4.3.1 Panasonic Laser Displacement Sensor Company Information

4.3.2 Panasonic Laser Displacement Sensor Business Overview

4.3.3 Panasonic Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)

4.3.4 Panasonic Product Portfolio

4.3.5 Panasonic Recent Developments

4.4 OMRON

4.4.1 OMRON Laser Displacement Sensor Company Information

4.4.2 OMRON Laser Displacement Sensor Business Overview

4.4.3 OMRON Laser Displacement Sensor Production, Value and Gross Margin
(2019-2024)

4.4.4 OMRON Product Portfolio

4.4.5 OMRON Recent Developments

4.5 COGNEX

4.5.1 COGNEX Laser Displacement Sensor Company Information

4.5.2 COGNEX Laser Displacement Sensor Business Overview

4.5.3 COGNEX Laser Displacement Sensor Production, Value and Gross Margin
(2019-2024)

4.5.4 COGNEX Product Portfolio

4.5.5 COGNEX Recent Developments

4.6 Turck

4.6.1 Turck Laser Displacement Sensor Company Information

4.6.2 Turck Laser Displacement Sensor Business Overview

4.6.3 Turck Laser Displacement Sensor Production, Value and Gross Margin
(2019-2024)

4.6.4 Turck Product Portfolio

4.6.5 Turck Recent Developments

4.7 Micro-Epsilon

4.7.1 Micro-Epsilon Laser Displacement Sensor Company Information

4.7.2 Micro-Epsilon Laser Displacement Sensor Business Overview

4.7.3 Micro-Epsilon Laser Displacement Sensor Production, Value and Gross Margin
(2019-2024)

4.7.4 Micro-Epsilon Product Portfolio

4.7.5 Micro-Epsilon Recent Developments

4.8 BANNER

4.8.1 BANNER Laser Displacement Sensor Company Information

4.8.2 BANNER Laser Displacement Sensor Business Overview

4.8.3 BANNER Laser Displacement Sensor Production, Value and Gross Margin
(2019-2024)

4.8.4 BANNER Product Portfolio

4.8.5 BANNER Recent Developments

4.9 Baumer

4.9.1 Baumer Laser Displacement Sensor Company Information

4.9.2 Baumer Laser Displacement Sensor Business Overview

4.9.3 Baumer Laser Displacement Sensor Production, Value and Gross Margin

(2019-2024)

4.9.4 Baumer Product Portfolio

4.9.5 Baumer Recent Developments

4.10 OPTEX

4.10.1 OPTEX Laser Displacement Sensor Company Information

4.10.2 OPTEX Laser Displacement Sensor Business Overview

4.10.3 OPTEX Laser Displacement Sensor Production, Value and Gross Margin

(2019-2024)

4.10.4 OPTEX Product Portfolio

4.10.5 OPTEX Recent Developments

4.11 Leuze

4.11.1 Leuze Laser Displacement Sensor Company Information

4.11.2 Leuze Laser Displacement Sensor Business Overview

4.11.3 Leuze Laser Displacement Sensor Production, Value and Gross Margin

(2019-2024)

4.11.4 Leuze Product Portfolio

4.11.5 Leuze Recent Developments

4.12 ELAG

4.12.1 ELAG Laser Displacement Sensor Company Information

4.12.2 ELAG Laser Displacement Sensor Business Overview

4.12.3 ELAG Laser Displacement Sensor Production, Value and Gross Margin

(2019-2024)

4.12.4 ELAG Product Portfolio

4.12.5 ELAG Recent Developments

4.13 SENSOPART

4.13.1 SENSOPART Laser Displacement Sensor Company Information

4.13.2 SENSOPART Laser Displacement Sensor Business Overview

4.13.3 SENSOPART Laser Displacement Sensor Production, Value and Gross Margin

(2019-2024)

4.13.4 SENSOPART Product Portfolio

4.13.5 SENSOPART Recent Developments

4.14 Pepperl&Fuchs

4.14.1 Pepperl&Fuchs Laser Displacement Sensor Company Information

4.14.2 Pepperl&Fuchs Laser Displacement Sensor Business Overview

4.14.3 Pepperl&Fuchs Laser Displacement Sensor Production, Value and Gross

Margin (2019-2024)

4.14.4 Pepperl&Fuchs Product Portfolio

4.14.5 Pepperl&Fuchs Recent Developments

4.15 Balluff

- 4.15.1 Balluff Laser Displacement Sensor Company Information
- 4.15.2 Balluff Laser Displacement Sensor Business Overview
- 4.15.3 Balluff Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)
- 4.15.4 Balluff Product Portfolio
- 4.15.5 Balluff Recent Developments
- 4.16 Sunny Optical
 - 4.16.1 Sunny Optical Laser Displacement Sensor Company Information
 - 4.16.2 Sunny Optical Laser Displacement Sensor Business Overview
 - 4.16.3 Sunny Optical Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)
 - 4.16.4 Sunny Optical Product Portfolio
 - 4.16.5 Sunny Optical Recent Developments
- 4.17 Acuity
 - 4.17.1 Acuity Laser Displacement Sensor Company Information
 - 4.17.2 Acuity Laser Displacement Sensor Business Overview
 - 4.17.3 Acuity Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)
 - 4.17.4 Acuity Product Portfolio
 - 4.17.5 Acuity Recent Developments
- 4.18 MTI Instruments
 - 4.18.1 MTI Instruments Laser Displacement Sensor Company Information
 - 4.18.2 MTI Instruments Laser Displacement Sensor Business Overview
 - 4.18.3 MTI Instruments Laser Displacement Sensor Production, Value and Gross Margin (2019-2024)
 - 4.18.4 MTI Instruments Product Portfolio
 - 4.18.5 MTI Instruments Recent Developments

5 GLOBAL LASER DISPLACEMENT SENSOR PRODUCTION BY REGION

- 5.1 Global Laser Displacement Sensor Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Laser Displacement Sensor Production by Region: 2019-2030
 - 5.2.1 Global Laser Displacement Sensor Production by Region: 2019-2024
 - 5.2.2 Global Laser Displacement Sensor Production Forecast by Region (2025-2030)
- 5.3 Global Laser Displacement Sensor Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global Laser Displacement Sensor Production Value by Region: 2019-2030
 - 5.4.1 Global Laser Displacement Sensor Production Value by Region: 2019-2024

5.4.2 Global Laser Displacement Sensor Production Value Forecast by Region (2025-2030)

5.5 Global Laser Displacement Sensor Market Price Analysis by Region (2019-2024)

5.6 Global Laser Displacement Sensor Production and Value, YOY Growth

5.6.1 North America Laser Displacement Sensor Production Value Estimates and Forecasts (2019-2030)

5.6.2 Europe Laser Displacement Sensor Production Value Estimates and Forecasts (2019-2030)

5.6.3 China Laser Displacement Sensor Production Value Estimates and Forecasts (2019-2030)

5.6.4 Japan Laser Displacement Sensor Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL LASER DISPLACEMENT SENSOR CONSUMPTION BY REGION

6.1 Global Laser Displacement Sensor Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global Laser Displacement Sensor Consumption by Region (2019-2030)

6.2.1 Global Laser Displacement Sensor Consumption by Region: 2019-2030

6.2.2 Global Laser Displacement Sensor Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Laser Displacement Sensor Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Laser Displacement Sensor Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Laser Displacement Sensor Consumption Growth Rate by Country:

2019 VS 2023 VS 2030

6.5.2 Asia Pacific Laser Displacement Sensor Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Laser Displacement Sensor Consumption
Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Laser Displacement Sensor Consumption by
Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY RESOLUTION

7.1 Global Laser Displacement Sensor Production by Resolution (2019-2030)

7.1.1 Global Laser Displacement Sensor Production by Resolution (2019-2030) & (K
Units)

7.1.2 Global Laser Displacement Sensor Production Market Share by Resolution
(2019-2030)

7.2 Global Laser Displacement Sensor Production Value by Resolution (2019-2030)

7.2.1 Global Laser Displacement Sensor Production Value by Resolution (2019-2030)
& (US\$ Million)

7.2.2 Global Laser Displacement Sensor Production Value Market Share by
Resolution (2019-2030)

7.3 Global Laser Displacement Sensor Price by Resolution (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global Laser Displacement Sensor Production by Application (2019-2030)

8.1.1 Global Laser Displacement Sensor Production by Application (2019-2030) & (K
Units)

8.1.2 Global Laser Displacement Sensor Production by Application (2019-2030) & (K

Units)

8.2 Global Laser Displacement Sensor Production Value by Application (2019-2030)

8.2.1 Global Laser Displacement Sensor Production Value by Application (2019-2030)
& (US\$ Million)

8.2.2 Global Laser Displacement Sensor Production Value Market Share by
Application (2019-2030)

8.3 Global Laser Displacement Sensor Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Laser Displacement Sensor Value Chain Analysis

9.1.1 Laser Displacement Sensor Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Laser Displacement Sensor Production Mode & Process

9.2 Laser Displacement Sensor Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Laser Displacement Sensor Distributors

9.2.3 Laser Displacement Sensor Customers

10 GLOBAL LASER DISPLACEMENT SENSOR ANALYZING MARKET DYNAMICS

10.1 Laser Displacement Sensor Industry Trends

10.2 Laser Displacement Sensor Industry Drivers

10.3 Laser Displacement Sensor Industry Opportunities and Challenges

10.4 Laser Displacement Sensor Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Resolution (2019 VS 2023 VS 2030) & (US\$ Million)

Table 4. Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global Laser Displacement Sensor Production by Manufacturers (K Units) & (2019-2024)

Table 6. Global Laser Displacement Sensor Production Market Share by Manufacturers

Table 7. Global Laser Displacement Sensor Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 8. Global Laser Displacement Sensor Production Value Market Share by Manufacturers (2019-2024)

Table 9. Global Laser Displacement Sensor Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 10. Global Laser Displacement Sensor Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global Laser Displacement Sensor Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Laser Displacement Sensor by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. KEYENCE Laser Displacement Sensor Company Information

Table 16. KEYENCE Business Overview

Table 17. KEYENCE Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 18. KEYENCE Product Portfolio

Table 19. KEYENCE Recent Developments

Table 20. SICK Laser Displacement Sensor Company Information

Table 21. SICK Business Overview

Table 22. SICK Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 23. SICK Product Portfolio

Table 24. SICK Recent Developments

Table 25. Panasonic Laser Displacement Sensor Company Information

Table 26. Panasonic Business Overview

Table 27. Panasonic Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 28. Panasonic Product Portfolio

Table 29. Panasonic Recent Developments

Table 30. OMRON Laser Displacement Sensor Company Information

Table 31. OMRON Business Overview

Table 32. OMRON Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 33. OMRON Product Portfolio

Table 34. OMRON Recent Developments

Table 35. COGNEX Laser Displacement Sensor Company Information

Table 36. COGNEX Business Overview

Table 37. COGNEX Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 38. COGNEX Product Portfolio

Table 39. COGNEX Recent Developments

Table 40. Turck Laser Displacement Sensor Company Information

Table 41. Turck Business Overview

Table 42. Turck Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 43. Turck Product Portfolio

Table 44. Turck Recent Developments

Table 45. Micro-Epsilon Laser Displacement Sensor Company Information

Table 46. Micro-Epsilon Business Overview

Table 47. Micro-Epsilon Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 48. Micro-Epsilon Product Portfolio

Table 49. Micro-Epsilon Recent Developments

Table 50. BANNER Laser Displacement Sensor Company Information

Table 51. BANNER Business Overview

Table 52. BANNER Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 53. BANNER Product Portfolio

Table 54. BANNER Recent Developments

Table 55. Baumer Laser Displacement Sensor Company Information

Table 56. Baumer Business Overview

Table 57. Baumer Laser Displacement Sensor Production (K Units), Value (US\$

Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 58. Baumer Product Portfolio

Table 59. Baumer Recent Developments

Table 60. OPTEX Laser Displacement Sensor Company Information

Table 61. OPTEX Business Overview

Table 62. OPTEX Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 63. OPTEX Product Portfolio

Table 64. OPTEX Recent Developments

Table 65. Leuze Laser Displacement Sensor Company Information

Table 66. Leuze Business Overview

Table 67. Leuze Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 68. Leuze Product Portfolio

Table 69. Leuze Recent Developments

Table 70. ELAG Laser Displacement Sensor Company Information

Table 71. ELAG Business Overview

Table 72. ELAG Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 73. ELAG Product Portfolio

Table 74. ELAG Recent Developments

Table 75. SENSOPART Laser Displacement Sensor Company Information

Table 76. SENSOPART Business Overview

Table 77. SENSOPART Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 78. SENSOPART Product Portfolio

Table 79. SENSOPART Recent Developments

Table 80. Pepperl&Fuchs Laser Displacement Sensor Company Information

Table 81. Pepperl&Fuchs Business Overview

Table 82. Pepperl&Fuchs Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 83. Pepperl&Fuchs Product Portfolio

Table 84. Pepperl&Fuchs Recent Developments

Table 85. Pepperl&Fuchs Laser Displacement Sensor Company Information

Table 86. Balluff Business Overview

Table 87. Balluff Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 88. Balluff Product Portfolio

Table 89. Balluff Recent Developments

- Table 90. Sunny Optical Laser Displacement Sensor Company Information
- Table 91. Sunny Optical Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 92. Sunny Optical Product Portfolio
- Table 93. Sunny Optical Recent Developments
- Table 94. Acuity Laser Displacement Sensor Company Information
- Table 95. Acuity Business Overview
- Table 96. Acuity Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 97. Acuity Product Portfolio
- Table 98. Acuity Recent Developments
- Table 99. MTI Instruments Laser Displacement Sensor Company Information
- Table 100. MTI Instruments Business Overview
- Table 101. MTI Instruments Laser Displacement Sensor Production (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 102. MTI Instruments Product Portfolio
- Table 103. MTI Instruments Recent Developments
- Table 104. Global Laser Displacement Sensor Production Comparison by Region: 2019 VS 2023 VS 2030 (K Units)
- Table 105. Global Laser Displacement Sensor Production by Region (2019-2024) & (K Units)
- Table 106. Global Laser Displacement Sensor Production Market Share by Region (2019-2024)
- Table 107. Global Laser Displacement Sensor Production Forecast by Region (2025-2030) & (K Units)
- Table 108. Global Laser Displacement Sensor Production Market Share Forecast by Region (2025-2030)
- Table 109. Global Laser Displacement Sensor Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 110. Global Laser Displacement Sensor Production Value by Region (2019-2024) & (US\$ Million)
- Table 111. Global Laser Displacement Sensor Production Value Market Share by Region (2019-2024)
- Table 112. Global Laser Displacement Sensor Production Value Forecast by Region (2025-2030) & (US\$ Million)
- Table 113. Global Laser Displacement Sensor Production Value Market Share Forecast by Region (2025-2030)
- Table 114. Global Laser Displacement Sensor Market Average Price (USD/Unit) by Region (2019-2024)

Table 115. Global Laser Displacement Sensor Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Table 116. Global Laser Displacement Sensor Consumption by Region (2019-2024) & (K Units)

Table 117. Global Laser Displacement Sensor Consumption Market Share by Region (2019-2024)

Table 118. Global Laser Displacement Sensor Forecasted Consumption by Region (2025-2030) & (K Units)

Table 119. Global Laser Displacement Sensor Forecasted Consumption Market Share by Region (2025-2030)

Table 120. North America Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 121. North America Laser Displacement Sensor Consumption by Country (2019-2024) & (K Units)

Table 122. North America Laser Displacement Sensor Consumption by Country (2025-2030) & (K Units)

Table 123. Europe Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 124. Europe Laser Displacement Sensor Consumption by Country (2019-2024) & (K Units)

Table 125. Europe Laser Displacement Sensor Consumption by Country (2025-2030) & (K Units)

Table 126. Asia Pacific Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 127. Asia Pacific Laser Displacement Sensor Consumption by Country (2019-2024) & (K Units)

Table 128. Asia Pacific Laser Displacement Sensor Consumption by Country (2025-2030) & (K Units)

Table 129. Latin America, Middle East & Africa Laser Displacement Sensor Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K Units)

Table 130. Latin America, Middle East & Africa Laser Displacement Sensor Consumption by Country (2019-2024) & (K Units)

Table 131. Latin America, Middle East & Africa Laser Displacement Sensor Consumption by Country (2025-2030) & (K Units)

Table 132. Global Laser Displacement Sensor Production by Resolution (2019-2024) & (K Units)

Table 133. Global Laser Displacement Sensor Production by Resolution (2025-2030) & (K Units)

Table 134. Global Laser Displacement Sensor Production Market Share by Resolution

(2019-2024)

Table 135. Global Laser Displacement Sensor Production Market Share by Resolution (2025-2030)

Table 136. Global Laser Displacement Sensor Production Value by Resolution (2019-2024) & (US\$ Million)

Table 137. Global Laser Displacement Sensor Production Value by Resolution (2025-2030) & (US\$ Million)

Table 138. Global Laser Displacement Sensor Production Value Market Share by Resolution (2019-2024)

Table 139. Global Laser Displacement Sensor Production Value Market Share by Resolution (2025-2030)

Table 140. Global Laser Displacement Sensor Price by Resolution (2019-2024) & (USD/Unit)

Table 141. Global Laser Displacement Sensor Price by Resolution (2025-2030) & (USD/Unit)

Table 142. Global Laser Displacement Sensor Production by Application (2019-2024) & (K Units)

Table 143. Global Laser Displacement Sensor Production by Application (2025-2030) & (K Units)

Table 144. Global Laser Displacement Sensor Production Market Share by Application (2019-2024)

Table 145. Global Laser Displacement Sensor Production Market Share by Application (2025-2030)

Table 146. Global Laser Displacement Sensor Production Value by Application (2019-2024) & (US\$ Million)

Table 147. Global Laser Displacement Sensor Production Value by Application (2025-2030) & (US\$ Million)

Table 148. Global Laser Displacement Sensor Production Value Market Share by Application (2019-2024)

Table 149. Global Laser Displacement Sensor Production Value Market Share by Application (2025-2030)

Table 150. Global Laser Displacement Sensor Price by Application (2019-2024) & (USD/Unit)

Table 151. Global Laser Displacement Sensor Price by Application (2025-2030) & (USD/Unit)

Table 152. Key Raw Materials

Table 153. Raw Materials Key Suppliers

Table 154. Laser Displacement Sensor Distributors List

Table 155. Laser Displacement Sensor Customers List

Table 156. Laser Displacement Sensor Industry Trends
Table 157. Laser Displacement Sensor Industry Drivers
Table 158. Laser Displacement Sensor Industry Restraints
Table 159. Authors List of This Report

List Of Figures

LIST OF FIGURES

Figure 1. Research Methodology

Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. Laser Displacement Sensor Product Picture

Figure 5. Market Value Comparison by Resolution (2019 VS 2023 VS 2030) & (US\$ Million)

Figure 6. Below 2 μ m Product Picture

Figure 7. 3 ~ 10 μ m Product Picture

Figure 8. 11 ~ 50 μ m Product Picture

Figure 9. 51 ~ 100 μ m Product Picture

Figure 10. 101 ~ 500 μ m Product Picture

Figure 11. Others Product Picture

Figure 12. Automotive Industry Product Picture

Figure 13. Aerospace & Military Industry Product Picture

Figure 14. Industrial Manufacturing Product Picture

Figure 15. Electronics and Photovoltaic Industry Product Picture

Figure 16. Others Product Picture

Figure 17. Global Laser Displacement Sensor Production Value (US\$ Million), 2019 VS 2023 VS 2030

Figure 18. Global Laser Displacement Sensor Production Value (2019-2030) & (US\$ Million)

Figure 19. Global Laser Displacement Sensor Production Capacity (2019-2030) & (K Units)

Figure 20. Global Laser Displacement Sensor Production (2019-2030) & (K Units)

Figure 21. Global Laser Displacement Sensor Average Price (USD/Unit) & (2019-2030)

Figure 22. Global Laser Displacement Sensor Key Manufacturers, Manufacturing Sites & Headquarters

Figure 23. Global Laser Displacement Sensor Manufacturers, Date of Enter into This Industry

Figure 24. Global Top 5 and 10 Laser Displacement Sensor Players Market Share by Production Value in 2023

Figure 25. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 26. Global Laser Displacement Sensor Production Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Figure 27. Global Laser Displacement Sensor Production Market Share by Region:

2019 VS 2023 VS 2030

Figure 28. Global Laser Displacement Sensor Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 29. Global Laser Displacement Sensor Production Value Market Share by Region: 2019 VS 2023 VS 2030

Figure 30. North America Laser Displacement Sensor Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 31. Europe Laser Displacement Sensor Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 32. China Laser Displacement Sensor Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 33. Japan Laser Displacement Sensor Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 34. Global Laser Displacement Sensor Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K Units)

Figure 35. Global Laser Displacement Sensor Consumption Market Share by Region: 2019 VS 2023 VS 2030

Figure 36. North America Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 37. North America Laser Displacement Sensor Consumption Market Share by Country (2019-2030)

Figure 38. United States Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 39. Canada Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 40. Europe Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 41. Europe Laser Displacement Sensor Consumption Market Share by Country (2019-2030)

Figure 42. Germany Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 43. France Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 44. U.K. Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 45. Italy Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 46. Netherlands Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 47. Asia Pacific Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 48. Asia Pacific Laser Displacement Sensor Consumption Market Share by Country (2019-2030)

Figure 49. China Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 50. Japan Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 51. South Korea Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 52. China Taiwan Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 53. Southeast Asia Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 54. India Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 55. Australia Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 56. Latin America, Middle East & Africa Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 57. Latin America, Middle East & Africa Laser Displacement Sensor Consumption Market Share by Country (2019-2030)

Figure 58. Mexico Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 59. Brazil Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 60. Turkey Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 61. GCC Countries Laser Displacement Sensor Consumption and Growth Rate (2019-2030) & (K Units)

Figure 62. Global Laser Displacement Sensor Production Market Share by Resolution (2019-2030)

Figure 63. Global Laser Displacement Sensor Production Value Market Share by Resolution (2019-2030)

Figure 64. Global Laser Displacement Sensor Price (USD/Unit) by Resolution (2019-2030)

Figure 65. Global Laser Displacement Sensor Production Market Share by Application (2019-2030)

Figure 66. Global Laser Displacement Sensor Production Value Market Share by

Application (2019-2030)

Figure 67. Global Laser Displacement Sensor Price (USD/Unit) by Application (2019-2030)

Figure 68. Laser Displacement Sensor Value Chain

Figure 69. Laser Displacement Sensor Production Mode & Process

Figure 70. Direct Comparison with Distribution Share

Figure 71. Distributors Profiles

Figure 72. Laser Displacement Sensor Industry Opportunities and Challenges

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