

Global Edge Position Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Edge Position Sensor market size was valued at USD 617.4 million in 2023 and is forecast to a readjusted size of USD 956.8 million by 2030 with a CAGR of 6.5% during review period.

Edge position sensors combine usability and precise measurement for measuring web edges, object width or control, copy counting, gap or position detection.

The edge position sensor market has experienced steady growth due to the increasing demand for automation and position control applications in industries such as manufacturing, automotive, and robotics. The market is driven by factors such as the need for accurate and reliable position measurement, the pursuit of improved productivity and efficiency, and the integration of sensors in advanced control systems.

The edge position sensor market is served by various sensor manufacturers, technology providers, and system integrators. Some notable players in the market include Omron Corporation, Balluff, Sick AG, Keyence Corporation, Pepperl+Fuchs and among others. These companies offer a range of edge position sensor solutions tailored to specific industry requirements.

There is a trend towards miniaturization and integration of edge position sensors. Manufacturers are developing compact and lightweight sensors that can be easily integrated into smaller devices and systems. This trend is driven by the demand for space-saving solutions, particularly in industries such as mobile devices, robotics, and automotive applications.

The demand for edge position sensors with higher resolution and accuracy is increasing. Industries such as semiconductor manufacturing, nanotechnology, and precision engineering require sensors that can provide precise and fine-grained position measurement. Manufacturers are developing sensors with improved resolution, reduced noise, and higher accuracy to meet these demanding requirements.

Non-contact edge position sensing technologies, such as optical and laser-based sensors, are gaining popularity. These sensors offer advantages such as high-speed measurement, non-intrusive sensing, and the ability to measure objects in motion. Non-contact sensors are preferred in applications where contact with the object being measured is not desirable or may cause wear and tear.

The integration of wireless connectivity and IoT capabilities into edge position sensors is an emerging trend. This allows for remote monitoring, real-time data transmission, and centralized control of position sensing systems. Wireless and IoT-enabled sensors offer increased flexibility, scalability, and ease of integration with existing IoT infrastructure.

The Global Info Research report includes an overview of the development of the Edge Position Sensor industry chain, the market status of Assembly and Robotics (Laser Edge Sensors, Ultrasonic Edge Sensors), Automotive (Laser Edge Sensors, Ultrasonic Edge Sensors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Edge Position Sensor.

Regionally, the report analyzes the Edge Position Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Edge Position Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Edge Position Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Edge Position Sensor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Laser Edge Sensors, Ultrasonic Edge Sensors).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Edge Position Sensor market.

Regional Analysis: The report involves examining the Edge Position Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Edge Position Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Edge Position Sensor:

Company Analysis: Report covers individual Edge Position Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Edge Position Sensor This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Assembly and Robotics, Automotive).

Technology Analysis: Report covers specific technologies relevant to Edge Position Sensor. It assesses the current state, advancements, and potential future developments in Edge Position Sensor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Edge Position Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Edge Position Sensor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Laser Edge Sensors

Ultrasonic Edge Sensors

Market segment by Application

Assembly and Robotics

Automotive

Food

Packaging

Industrial

Others

Major players covered

Baumer

SICK

MIT

Banner

SLAC

Microsonic

FMS

IGM

Omron Corporation

Balluff

Sick AG

Keyence Corporation

Pepperl+Fuchs

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Edge Position Sensor product scope, market overview, market

estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Edge Position Sensor, with price, sales, revenue and global market share of Edge Position Sensor from 2019 to 2024.

Chapter 3, the Edge Position Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Edge Position Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Edge Position Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Edge Position Sensor.

Chapter 14 and 15, to describe Edge Position Sensor sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Edge Position Sensor

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Edge Position Sensor Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Laser Edge Sensors

1.3.3 Ultrasonic Edge Sensors

1.4 Market Analysis by Application

1.4.1 Overview: Global Edge Position Sensor Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Assembly and Robotics

1.4.3 Automotive

1.4.4 Food

1.4.5 Packaging

1.4.6 Industrial

1.4.7 Others

1.5 Global Edge Position Sensor Market Size & Forecast

1.5.1 Global Edge Position Sensor Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Edge Position Sensor Sales Quantity (2019-2030)

1.5.3 Global Edge Position Sensor Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Baumer

2.1.1 Baumer Details

2.1.2 Baumer Major Business

2.1.3 Baumer Edge Position Sensor Product and Services

2.1.4 Baumer Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Baumer Recent Developments/Updates

2.2 SICK

2.2.1 SICK Details

2.2.2 SICK Major Business

2.2.3 SICK Edge Position Sensor Product and Services

2.2.4 SICK Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.2.5 SICK Recent Developments/Updates

2.3 MIT

2.3.1 MIT Details

2.3.2 MIT Major Business

2.3.3 MIT Edge Position Sensor Product and Services

2.3.4 MIT Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.3.5 MIT Recent Developments/Updates

2.4 Banner

2.4.1 Banner Details

2.4.2 Banner Major Business

2.4.3 Banner Edge Position Sensor Product and Services

2.4.4 Banner Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.4.5 Banner Recent Developments/Updates

2.5 SLAC

2.5.1 SLAC Details

2.5.2 SLAC Major Business

2.5.3 SLAC Edge Position Sensor Product and Services

2.5.4 SLAC Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.5.5 SLAC Recent Developments/Updates

2.6 Microsonic

2.6.1 Microsonic Details

2.6.2 Microsonic Major Business

2.6.3 Microsonic Edge Position Sensor Product and Services

2.6.4 Microsonic Edge Position Sensor Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

2.6.5 Microsonic Recent Developments/Updates

2.7 FMS

2.7.1 FMS Details

2.7.2 FMS Major Business

2.7.3 FMS Edge Position Sensor Product and Services

2.7.4 FMS Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.7.5 FMS Recent Developments/Updates

2.8 IGM

2.8.1 IGM Details

- 2.8.2 IGM Major Business
- 2.8.3 IGM Edge Position Sensor Product and Services
- 2.8.4 IGM Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 IGM Recent Developments/Updates
- 2.9 Omron Corporation
 - 2.9.1 Omron Corporation Details
 - 2.9.2 Omron Corporation Major Business
 - 2.9.3 Omron Corporation Edge Position Sensor Product and Services
 - 2.9.4 Omron Corporation Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Omron Corporation Recent Developments/Updates
- 2.10 Balluff
 - 2.10.1 Balluff Details
 - 2.10.2 Balluff Major Business
 - 2.10.3 Balluff Edge Position Sensor Product and Services
 - 2.10.4 Balluff Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Balluff Recent Developments/Updates
- 2.11 Sick AG
 - 2.11.1 Sick AG Details
 - 2.11.2 Sick AG Major Business
 - 2.11.3 Sick AG Edge Position Sensor Product and Services
 - 2.11.4 Sick AG Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Sick AG Recent Developments/Updates
- 2.12 Keyence Corporation
 - 2.12.1 Keyence Corporation Details
 - 2.12.2 Keyence Corporation Major Business
 - 2.12.3 Keyence Corporation Edge Position Sensor Product and Services
 - 2.12.4 Keyence Corporation Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Keyence Corporation Recent Developments/Updates
- 2.13 Pepperl+Fuchs
 - 2.13.1 Pepperl+Fuchs Details
 - 2.13.2 Pepperl+Fuchs Major Business
 - 2.13.3 Pepperl+Fuchs Edge Position Sensor Product and Services
 - 2.13.4 Pepperl+Fuchs Edge Position Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Pepperl+Fuchs Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: EDGE POSITION SENSOR BY MANUFACTURER

3.1 Global Edge Position Sensor Sales Quantity by Manufacturer (2019-2024)

3.2 Global Edge Position Sensor Revenue by Manufacturer (2019-2024)

3.3 Global Edge Position Sensor Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Edge Position Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Edge Position Sensor Manufacturer Market Share in 2023

3.4.2 Top 6 Edge Position Sensor Manufacturer Market Share in 2023

3.5 Edge Position Sensor Market: Overall Company Footprint Analysis

3.5.1 Edge Position Sensor Market: Region Footprint

3.5.2 Edge Position Sensor Market: Company Product Type Footprint

3.5.3 Edge Position Sensor Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Edge Position Sensor Market Size by Region

4.1.1 Global Edge Position Sensor Sales Quantity by Region (2019-2030)

4.1.2 Global Edge Position Sensor Consumption Value by Region (2019-2030)

4.1.3 Global Edge Position Sensor Average Price by Region (2019-2030)

4.2 North America Edge Position Sensor Consumption Value (2019-2030)

4.3 Europe Edge Position Sensor Consumption Value (2019-2030)

4.4 Asia-Pacific Edge Position Sensor Consumption Value (2019-2030)

4.5 South America Edge Position Sensor Consumption Value (2019-2030)

4.6 Middle East and Africa Edge Position Sensor Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Edge Position Sensor Sales Quantity by Type (2019-2030)

5.2 Global Edge Position Sensor Consumption Value by Type (2019-2030)

5.3 Global Edge Position Sensor Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Edge Position Sensor Sales Quantity by Application (2019-2030)
- 6.2 Global Edge Position Sensor Consumption Value by Application (2019-2030)
- 6.3 Global Edge Position Sensor Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Edge Position Sensor Sales Quantity by Type (2019-2030)
- 7.2 North America Edge Position Sensor Sales Quantity by Application (2019-2030)
- 7.3 North America Edge Position Sensor Market Size by Country
 - 7.3.1 North America Edge Position Sensor Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Edge Position Sensor Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Edge Position Sensor Sales Quantity by Type (2019-2030)
- 8.2 Europe Edge Position Sensor Sales Quantity by Application (2019-2030)
- 8.3 Europe Edge Position Sensor Market Size by Country
 - 8.3.1 Europe Edge Position Sensor Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Edge Position Sensor Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Edge Position Sensor Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Edge Position Sensor Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Edge Position Sensor Market Size by Region
 - 9.3.1 Asia-Pacific Edge Position Sensor Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Edge Position Sensor Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)

- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Edge Position Sensor Sales Quantity by Type (2019-2030)
- 10.2 South America Edge Position Sensor Sales Quantity by Application (2019-2030)
- 10.3 South America Edge Position Sensor Market Size by Country
 - 10.3.1 South America Edge Position Sensor Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Edge Position Sensor Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Edge Position Sensor Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Edge Position Sensor Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Edge Position Sensor Market Size by Country
 - 11.3.1 Middle East & Africa Edge Position Sensor Sales Quantity by Country (2019-2030)
 - 11.3.2 Middle East & Africa Edge Position Sensor Consumption Value by Country (2019-2030)
 - 11.3.3 Turkey Market Size and Forecast (2019-2030)
 - 11.3.4 Egypt Market Size and Forecast (2019-2030)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
 - 11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Edge Position Sensor Market Drivers
- 12.2 Edge Position Sensor Market Restraints
- 12.3 Edge Position Sensor Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Edge Position Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Edge Position Sensor

13.3 Edge Position Sensor Production Process

13.4 Edge Position Sensor Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Edge Position Sensor Typical Distributors

14.3 Edge Position Sensor Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Edge Position Sensor Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Edge Position Sensor Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Baumer Basic Information, Manufacturing Base and Competitors

Table 4. Baumer Major Business

Table 5. Baumer Edge Position Sensor Product and Services

Table 6. Baumer Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Baumer Recent Developments/Updates

Table 8. SICK Basic Information, Manufacturing Base and Competitors

Table 9. SICK Major Business

Table 10. SICK Edge Position Sensor Product and Services

Table 11. SICK Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. SICK Recent Developments/Updates

Table 13. MIT Basic Information, Manufacturing Base and Competitors

Table 14. MIT Major Business

Table 15. MIT Edge Position Sensor Product and Services

Table 16. MIT Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. MIT Recent Developments/Updates

Table 18. Banner Basic Information, Manufacturing Base and Competitors

Table 19. Banner Major Business

Table 20. Banner Edge Position Sensor Product and Services

Table 21. Banner Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Banner Recent Developments/Updates

Table 23. SLAC Basic Information, Manufacturing Base and Competitors

Table 24. SLAC Major Business

Table 25. SLAC Edge Position Sensor Product and Services

Table 26. SLAC Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. SLAC Recent Developments/Updates

Table 28. Microsonic Basic Information, Manufacturing Base and Competitors

Table 29. Microsonic Major Business

Table 30. Microsonic Edge Position Sensor Product and Services

Table 31. Microsonic Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Microsonic Recent Developments/Updates

Table 33. FMS Basic Information, Manufacturing Base and Competitors

Table 34. FMS Major Business

Table 35. FMS Edge Position Sensor Product and Services

Table 36. FMS Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. FMS Recent Developments/Updates

Table 38. IGM Basic Information, Manufacturing Base and Competitors

Table 39. IGM Major Business

Table 40. IGM Edge Position Sensor Product and Services

Table 41. IGM Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. IGM Recent Developments/Updates

Table 43. Omron Corporation Basic Information, Manufacturing Base and Competitors

Table 44. Omron Corporation Major Business

Table 45. Omron Corporation Edge Position Sensor Product and Services

Table 46. Omron Corporation Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Omron Corporation Recent Developments/Updates

Table 48. Balluff Basic Information, Manufacturing Base and Competitors

Table 49. Balluff Major Business

Table 50. Balluff Edge Position Sensor Product and Services

Table 51. Balluff Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Balluff Recent Developments/Updates

Table 53. Sick AG Basic Information, Manufacturing Base and Competitors

Table 54. Sick AG Major Business

Table 55. Sick AG Edge Position Sensor Product and Services

Table 56. Sick AG Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Sick AG Recent Developments/Updates

Table 58. Keyence Corporation Basic Information, Manufacturing Base and Competitors

Table 59. Keyence Corporation Major Business

Table 60. Keyence Corporation Edge Position Sensor Product and Services

Table 61. Keyence Corporation Edge Position Sensor Sales Quantity (K Units), Average

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

Table 62. Keyence Corporation Recent Developments/Updates

Table 63. Pepperl+Fuchs Basic Information, Manufacturing Base and Competitors

Table 64. Pepperl+Fuchs Major Business

Table 65. Pepperl+Fuchs Edge Position Sensor Product and Services

Table 66. Pepperl+Fuchs Edge Position Sensor Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Pepperl+Fuchs Recent Developments/Updates

Table 68. Global Edge Position Sensor Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 69. Global Edge Position Sensor Revenue by Manufacturer (2019-2024) & (USD Million)

Table 70. Global Edge Position Sensor Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 71. Market Position of Manufacturers in Edge Position Sensor, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 72. Head Office and Edge Position Sensor Production Site of Key Manufacturer

Table 73. Edge Position Sensor Market: Company Product Type Footprint

Table 74. Edge Position Sensor Market: Company Product Application Footprint

Table 75. Edge Position Sensor New Market Entrants and Barriers to Market Entry

Table 76. Edge Position Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 77. Global Edge Position Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 78. Global Edge Position Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 79. Global Edge Position Sensor Consumption Value by Region (2019-2024) & (USD Million)

Table 80. Global Edge Position Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 81. Global Edge Position Sensor Average Price by Region (2019-2024) & (USD/Unit)

Table 82. Global Edge Position Sensor Average Price by Region (2025-2030) & (USD/Unit)

Table 83. Global Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 84. Global Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 85. Global Edge Position Sensor Consumption Value by Type (2019-2024) & (USD Million)

Table 86. Global Edge Position Sensor Consumption Value by Type (2025-2030) & (USD Million)

Table 87. Global Edge Position Sensor Average Price by Type (2019-2024) & (USD/Unit)

Table 88. Global Edge Position Sensor Average Price by Type (2025-2030) & (USD/Unit)

Table 89. Global Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 90. Global Edge Position Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 91. Global Edge Position Sensor Consumption Value by Application (2019-2024) & (USD Million)

Table 92. Global Edge Position Sensor Consumption Value by Application (2025-2030) & (USD Million)

Table 93. Global Edge Position Sensor Average Price by Application (2019-2024) & (USD/Unit)

Table 94. Global Edge Position Sensor Average Price by Application (2025-2030) & (USD/Unit)

Table 95. North America Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 96. North America Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 97. North America Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 98. North America Edge Position Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 99. North America Edge Position Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 100. North America Edge Position Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 101. North America Edge Position Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 102. North America Edge Position Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 103. Europe Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 104. Europe Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 105. Europe Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 106. Europe Edge Position Sensor Sales Quantity by Application (2025-2030) &

(K Units)

Table 107. Europe Edge Position Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 108. Europe Edge Position Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 109. Europe Edge Position Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 110. Europe Edge Position Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 111. Asia-Pacific Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 112. Asia-Pacific Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 113. Asia-Pacific Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 114. Asia-Pacific Edge Position Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 115. Asia-Pacific Edge Position Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 116. Asia-Pacific Edge Position Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 117. Asia-Pacific Edge Position Sensor Consumption Value by Region (2019-2024) & (USD Million)

Table 118. Asia-Pacific Edge Position Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 119. South America Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 120. South America Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 121. South America Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 122. South America Edge Position Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 123. South America Edge Position Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 124. South America Edge Position Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 125. South America Edge Position Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 126. South America Edge Position Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 127. Middle East & Africa Edge Position Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 128. Middle East & Africa Edge Position Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 129. Middle East & Africa Edge Position Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 130. Middle East & Africa Edge Position Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 131. Middle East & Africa Edge Position Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 132. Middle East & Africa Edge Position Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 133. Middle East & Africa Edge Position Sensor Consumption Value by Region (2019-2024) & (USD Million)

Table 134. Middle East & Africa Edge Position Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 135. Edge Position Sensor Raw Material

Table 136. Key Manufacturers of Edge Position Sensor Raw Materials

Table 137. Edge Position Sensor Typical Distributors

Table 138. Edge Position Sensor Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Edge Position Sensor Picture

Figure 2. Global Edge Position Sensor Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Edge Position Sensor Consumption Value Market Share by Type in 2023

Figure 4. Laser Edge Sensors Examples

Figure 5. Ultrasonic Edge Sensors Examples

Figure 6. Global Edge Position Sensor Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Edge Position Sensor Consumption Value Market Share by Application in 2023

Figure 8. Assembly and Robotics Examples

Figure 9. Automotive Examples

Figure 10. Food Examples

Figure 11. Packaging Examples

Figure 12. Industrial Examples

Figure 13. Others Examples

Figure 14. Global Edge Position Sensor Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Edge Position Sensor Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 16. Global Edge Position Sensor Sales Quantity (2019-2030) & (K Units)

Figure 17. Global Edge Position Sensor Average Price (2019-2030) & (USD/Unit)

Figure 18. Global Edge Position Sensor Sales Quantity Market Share by Manufacturer in 2023

Figure 19. Global Edge Position Sensor Consumption Value Market Share by Manufacturer in 2023

Figure 20. Producer Shipments of Edge Position Sensor by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 21. Top 3 Edge Position Sensor Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Top 6 Edge Position Sensor Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Global Edge Position Sensor Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Edge Position Sensor Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Edge Position Sensor Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Edge Position Sensor Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Edge Position Sensor Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Edge Position Sensor Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Edge Position Sensor Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Edge Position Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Edge Position Sensor Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Edge Position Sensor Average Price by Type (2019-2030) & (USD/Unit)

Figure 33. Global Edge Position Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Edge Position Sensor Consumption Value Market Share by Application (2019-2030)

Figure 35. Global Edge Position Sensor Average Price by Application (2019-2030) & (USD/Unit)

Figure 36. North America Edge Position Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Edge Position Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Edge Position Sensor Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Edge Position Sensor Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Canada Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Mexico Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Europe Edge Position Sensor Sales Quantity Market Share by Type

(2019-2030)

Figure 44. Europe Edge Position Sensor Sales Quantity Market Share by Application

(2019-2030)

Figure 45. Europe Edge Position Sensor Sales Quantity Market Share by Country

(2019-2030)

Figure 46. Europe Edge Position Sensor Consumption Value Market Share by Country

(2019-2030)

Figure 47. Germany Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 48. France Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 49. United Kingdom Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 50. Russia Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 51. Italy Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 52. Asia-Pacific Edge Position Sensor Sales Quantity Market Share by Type

(2019-2030)

Figure 53. Asia-Pacific Edge Position Sensor Sales Quantity Market Share by

Application (2019-2030)

Figure 54. Asia-Pacific Edge Position Sensor Sales Quantity Market Share by Region

(2019-2030)

Figure 55. Asia-Pacific Edge Position Sensor Consumption Value Market Share by

Region (2019-2030)

Figure 56. China Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 57. Japan Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 58. Korea Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 59. India Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 60. Southeast Asia Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 61. Australia Edge Position Sensor Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 62. South America Edge Position Sensor Sales Quantity Market Share by Type

(2019-2030)

Figure 63. South America Edge Position Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 64. South America Edge Position Sensor Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America Edge Position Sensor Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Argentina Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Middle East & Africa Edge Position Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa Edge Position Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa Edge Position Sensor Sales Quantity Market Share by Region (2019-2030)

Figure 71. Middle East & Africa Edge Position Sensor Consumption Value Market Share by Region (2019-2030)

Figure 72. Turkey Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Egypt Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Saudi Arabia Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. South Africa Edge Position Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Edge Position Sensor Market Drivers

Figure 77. Edge Position Sensor Market Restraints

Figure 78. Edge Position Sensor Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Edge Position Sensor in 2023

Figure 81. Manufacturing Process Analysis of Edge Position Sensor

Figure 82. Edge Position Sensor Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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