

# Global Edge Detection Sensors Market Growth 2024-2030

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## Abstracts

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Edge detection sensors are devices designed to identify boundaries or transitions between different surfaces or materials within an environment. Employed in various industries such as robotics, computer vision, and manufacturing, these sensors use different technologies, including infrared, ultrasonic, or vision-based methods, to detect changes in physical properties such as texture, color, or depth. The primary purpose is to locate the edges or contours of objects, providing crucial information for navigation, object recognition, and quality control processes. Edge detection sensors play a vital role in enhancing automation and precision in applications ranging from industrial machinery to autonomous vehicles, where accurate identification of object boundaries is essential for effective decision-making and control.

The global Edge Detection Sensors market size is projected to grow from US\$ million in 2023 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Edge Detection Sensors Industry Forecast" looks at past sales and reviews total world Edge Detection Sensors sales in 2023, providing a comprehensive analysis by region and market sector of projected Edge Detection Sensors sales for 2024 through 2030. With Edge Detection Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Edge Detection Sensors industry.

This Insight Report provides a comprehensive analysis of the global Edge Detection Sensors 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 Edge Detection Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Edge Detection Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Edge Detection Sensors 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 Edge Detection Sensors.

The market for edge detection sensors is witnessing substantial growth, fueled by the increasing demand for automation and robotics across various industries. Edge detection sensors play a crucial role in applications such as manufacturing, logistics, and autonomous systems by providing precise spatial information. The market is characterized by the integration of advanced technologies, including computer vision, LiDAR, and radar, to enhance the accuracy and capabilities of edge detection. As industries continue to prioritize efficiency and productivity, the future development of edge detection sensors is expected to focus on miniaturization, improved sensitivity, and the integration of artificial intelligence for real-time decision-making. Additionally, the adoption of edge computing in conjunction with edge detection sensors is likely to contribute to faster processing and reduced latency, further expanding their applications in the evolving landscape of Industry 4.0 and smart technologies.

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

## Segmentation by type

Laser Edge Detection Sensors

Ultrasonic Edge Detection Sensors

## Segmentation by application

Printing

Converting

Packaging

Others

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 analyzing the company's coverage, product portfolio, its market penetration.

Keyence

Baumer

SICK AG

Omron

Banner Engineering

Balluff

Pepperl+Fuchs

Microsonic

Rockwell Automation

Teledyne DALSA

FMS

IGM

OPTEX

Maxcess International

Mahlo

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Edge Detection Sensors market?

What factors are driving Edge Detection Sensors market growth, globally and by region?

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

How do Edge Detection Sensors market opportunities vary by end market size?

How does Edge Detection Sensors break out type, 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 Edge Detection Sensors Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for Edge Detection Sensors by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for Edge Detection Sensors by Country/Region, 2019, 2023 & 2030
- 2.2 Edge Detection Sensors Segment by Type
  - 2.2.1 Laser Edge Detection Sensors
  - 2.2.2 Ultrasonic Edge Detection Sensors
- 2.3 Edge Detection Sensors Sales by Type
  - 2.3.1 Global Edge Detection Sensors Sales Market Share by Type (2019-2024)
  - 2.3.2 Global Edge Detection Sensors Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global Edge Detection Sensors Sale Price by Type (2019-2024)
- 2.4 Edge Detection Sensors Segment by Application
  - 2.4.1 Printing
  - 2.4.2 Converting
  - 2.4.3 Packaging
  - 2.4.4 Others
- 2.5 Edge Detection Sensors Sales by Application
  - 2.5.1 Global Edge Detection Sensors Sale Market Share by Application (2019-2024)
  - 2.5.2 Global Edge Detection Sensors Revenue and Market Share by Application (2019-2024)
  - 2.5.3 Global Edge Detection Sensors Sale Price by Application (2019-2024)

### **3 GLOBAL EDGE DETECTION SENSORS BY COMPANY**

- 3.1 Global Edge Detection Sensors Breakdown Data by Company
  - 3.1.1 Global Edge Detection Sensors Annual Sales by Company (2019-2024)
  - 3.1.2 Global Edge Detection Sensors Sales Market Share by Company (2019-2024)
- 3.2 Global Edge Detection Sensors Annual Revenue by Company (2019-2024)
  - 3.2.1 Global Edge Detection Sensors Revenue by Company (2019-2024)
  - 3.2.2 Global Edge Detection Sensors Revenue Market Share by Company (2019-2024)
- 3.3 Global Edge Detection Sensors Sale Price by Company
- 3.4 Key Manufacturers Edge Detection Sensors Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Edge Detection Sensors Product Location Distribution
  - 3.4.2 Players Edge Detection Sensors Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR EDGE DETECTION SENSORS BY GEOGRAPHIC REGION**

- 4.1 World Historic Edge Detection Sensors Market Size by Geographic Region (2019-2024)
  - 4.1.1 Global Edge Detection Sensors Annual Sales by Geographic Region (2019-2024)
  - 4.1.2 Global Edge Detection Sensors Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic Edge Detection Sensors Market Size by Country/Region (2019-2024)
  - 4.2.1 Global Edge Detection Sensors Annual Sales by Country/Region (2019-2024)
  - 4.2.2 Global Edge Detection Sensors Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Edge Detection Sensors Sales Growth
- 4.4 APAC Edge Detection Sensors Sales Growth
- 4.5 Europe Edge Detection Sensors Sales Growth
- 4.6 Middle East & Africa Edge Detection Sensors Sales Growth

### **5 AMERICAS**

## 5.1 Americas Edge Detection Sensors Sales by Country

### 5.1.1 Americas Edge Detection Sensors Sales by Country (2019-2024)

### 5.1.2 Americas Edge Detection Sensors Revenue by Country (2019-2024)

## 5.2 Americas Edge Detection Sensors Sales by Type

## 5.3 Americas Edge Detection Sensors Sales by Application

## 5.4 United States

## 5.5 Canada

## 5.6 Mexico

## 5.7 Brazil

# 6 APAC

## 6.1 APAC Edge Detection Sensors Sales by Region

### 6.1.1 APAC Edge Detection Sensors Sales by Region (2019-2024)

### 6.1.2 APAC Edge Detection Sensors Revenue by Region (2019-2024)

## 6.2 APAC Edge Detection Sensors Sales by Type

## 6.3 APAC Edge Detection Sensors Sales by Application

## 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 Edge Detection Sensors by Country

### 7.1.1 Europe Edge Detection Sensors Sales by Country (2019-2024)

### 7.1.2 Europe Edge Detection Sensors Revenue by Country (2019-2024)

## 7.2 Europe Edge Detection Sensors Sales by Type

## 7.3 Europe Edge Detection Sensors Sales by Application

## 7.4 Germany

## 7.5 France

## 7.6 UK

## 7.7 Italy

## 7.8 Russia



## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa Edge Detection Sensors by Country

#### 8.1.1 Middle East & Africa Edge Detection Sensors Sales by Country (2019-2024)

#### 8.1.2 Middle East & Africa Edge Detection Sensors Revenue by Country (2019-2024)

### 8.2 Middle East & Africa Edge Detection Sensors Sales by Type

### 8.3 Middle East & Africa Edge Detection Sensors Sales by Application

### 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 Edge Detection Sensors

### 10.3 Manufacturing Process Analysis of Edge Detection Sensors

### 10.4 Industry Chain Structure of Edge Detection Sensors

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 11.1 Sales Channel

#### 11.1.1 Direct Channels

#### 11.1.2 Indirect Channels

### 11.2 Edge Detection Sensors Distributors

### 11.3 Edge Detection Sensors Customer

## **12 WORLD FORECAST REVIEW FOR EDGE DETECTION SENSORS BY GEOGRAPHIC REGION**

### 12.1 Global Edge Detection Sensors Market Size Forecast by Region

#### 12.1.1 Global Edge Detection Sensors Forecast by Region (2025-2030)

12.1.2 Global Edge Detection Sensors Annual Revenue Forecast by Region  
(2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Edge Detection Sensors Forecast by Type

12.7 Global Edge Detection Sensors Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### **13.1 Keyence**

13.1.1 Keyence Company Information

13.1.2 Keyence Edge Detection Sensors Product Portfolios and Specifications

13.1.3 Keyence Edge Detection Sensors Sales, Revenue, Price and Gross Margin  
(2019-2024)

13.1.4 Keyence Main Business Overview

13.1.5 Keyence Latest Developments

### **13.2 Baumer**

13.2.1 Baumer Company Information

13.2.2 Baumer Edge Detection Sensors Product Portfolios and Specifications

13.2.3 Baumer Edge Detection Sensors Sales, Revenue, Price and Gross Margin  
(2019-2024)

13.2.4 Baumer Main Business Overview

13.2.5 Baumer Latest Developments

### **13.3 SICK AG**

13.3.1 SICK AG Company Information

13.3.2 SICK AG Edge Detection Sensors Product Portfolios and Specifications

13.3.3 SICK AG Edge Detection Sensors Sales, Revenue, Price and Gross Margin  
(2019-2024)

13.3.4 SICK AG Main Business Overview

13.3.5 SICK AG Latest Developments

### **13.4 Omron**

13.4.1 Omron Company Information

13.4.2 Omron Edge Detection Sensors Product Portfolios and Specifications

13.4.3 Omron Edge Detection Sensors Sales, Revenue, Price and Gross Margin  
(2019-2024)

13.4.4 Omron Main Business Overview

13.4.5 Omron Latest Developments

### 13.5 Banner Engineering

#### 13.5.1 Banner Engineering Company Information

#### 13.5.2 Banner Engineering Edge Detection Sensors Product Portfolios and Specifications

#### 13.5.3 Banner Engineering Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.5.4 Banner Engineering Main Business Overview

#### 13.5.5 Banner Engineering Latest Developments

### 13.6 Balluff

#### 13.6.1 Balluff Company Information

#### 13.6.2 Balluff Edge Detection Sensors Product Portfolios and Specifications

#### 13.6.3 Balluff Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.6.4 Balluff Main Business Overview

#### 13.6.5 Balluff Latest Developments

### 13.7 Pepperl+Fuchs

#### 13.7.1 Pepperl+Fuchs Company Information

#### 13.7.2 Pepperl+Fuchs Edge Detection Sensors Product Portfolios and Specifications

#### 13.7.3 Pepperl+Fuchs Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.7.4 Pepperl+Fuchs Main Business Overview

#### 13.7.5 Pepperl+Fuchs Latest Developments

### 13.8 Microsonic

#### 13.8.1 Microsonic Company Information

#### 13.8.2 Microsonic Edge Detection Sensors Product Portfolios and Specifications

#### 13.8.3 Microsonic Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.8.4 Microsonic Main Business Overview

#### 13.8.5 Microsonic Latest Developments

### 13.9 Rockwell Automation

#### 13.9.1 Rockwell Automation Company Information

#### 13.9.2 Rockwell Automation Edge Detection Sensors Product Portfolios and Specifications

#### 13.9.3 Rockwell Automation Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.9.4 Rockwell Automation Main Business Overview

#### 13.9.5 Rockwell Automation Latest Developments

### 13.10 Teledyne DALSA

#### 13.10.1 Teledyne DALSA Company Information

13.10.2 Teledyne DALSA Edge Detection Sensors Product Portfolios and Specifications

13.10.3 Teledyne DALSA Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Teledyne DALSA Main Business Overview

13.10.5 Teledyne DALSA Latest Developments

13.11 FMS

13.11.1 FMS Company Information

13.11.2 FMS Edge Detection Sensors Product Portfolios and Specifications

13.11.3 FMS Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 FMS Main Business Overview

13.11.5 FMS Latest Developments

13.12 IGM

13.12.1 IGM Company Information

13.12.2 IGM Edge Detection Sensors Product Portfolios and Specifications

13.12.3 IGM Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 IGM Main Business Overview

13.12.5 IGM Latest Developments

13.13 OPTEX

13.13.1 OPTEX Company Information

13.13.2 OPTEX Edge Detection Sensors Product Portfolios and Specifications

13.13.3 OPTEX Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 OPTEX Main Business Overview

13.13.5 OPTEX Latest Developments

13.14 Maxcess International

13.14.1 Maxcess International Company Information

13.14.2 Maxcess International Edge Detection Sensors Product Portfolios and Specifications

13.14.3 Maxcess International Edge Detection Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Maxcess International Main Business Overview

13.14.5 Maxcess International Latest Developments

13.15 Mahlo

13.15.1 Mahlo Company Information

13.15.2 Mahlo Edge Detection Sensors Product Portfolios and Specifications

13.15.3 Mahlo Edge Detection Sensors Sales, Revenue, Price and Gross Margin

(2019-2024)

13.15.4 Mahlo Main Business Overview

13.15.5 Mahlo Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Edge Detection Sensors Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Edge Detection Sensors Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Laser Edge Detection Sensors

Table 4. Major Players of Ultrasonic Edge Detection Sensors

Table 5. Global Edge Detection Sensors Sales by Type (2019-2024) & (K Units)

Table 6. Global Edge Detection Sensors Sales Market Share by Type (2019-2024)

Table 7. Global Edge Detection Sensors Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Edge Detection Sensors Revenue Market Share by Type (2019-2024)

Table 9. Global Edge Detection Sensors Sale Price by Type (2019-2024) & (US\$/Unit)

Table 10. Global Edge Detection Sensors Sales by Application (2019-2024) & (K Units)

Table 11. Global Edge Detection Sensors Sales Market Share by Application (2019-2024)

Table 12. Global Edge Detection Sensors Revenue by Application (2019-2024)

Table 13. Global Edge Detection Sensors Revenue Market Share by Application (2019-2024)

Table 14. Global Edge Detection Sensors Sale Price by Application (2019-2024) & (US\$/Unit)

Table 15. Global Edge Detection Sensors Sales by Company (2019-2024) & (K Units)

Table 16. Global Edge Detection Sensors Sales Market Share by Company (2019-2024)

Table 17. Global Edge Detection Sensors Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global Edge Detection Sensors Revenue Market Share by Company (2019-2024)

Table 19. Global Edge Detection Sensors Sale Price by Company (2019-2024) & (US\$/Unit)

Table 20. Key Manufacturers Edge Detection Sensors Producing Area Distribution and Sales Area

Table 21. Players Edge Detection Sensors Products Offered

Table 22. Edge Detection Sensors Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Edge Detection Sensors Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Edge Detection Sensors Sales Market Share Geographic Region (2019-2024)

Table 27. Global Edge Detection Sensors Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Edge Detection Sensors Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Edge Detection Sensors Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Edge Detection Sensors Sales Market Share by Country/Region (2019-2024)

Table 31. Global Edge Detection Sensors Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Edge Detection Sensors Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Edge Detection Sensors Sales by Country (2019-2024) & (K Units)

Table 34. Americas Edge Detection Sensors Sales Market Share by Country (2019-2024)

Table 35. Americas Edge Detection Sensors Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Edge Detection Sensors Revenue Market Share by Country (2019-2024)

Table 37. Americas Edge Detection Sensors Sales by Type (2019-2024) & (K Units)

Table 38. Americas Edge Detection Sensors Sales by Application (2019-2024) & (K Units)

Table 39. APAC Edge Detection Sensors Sales by Region (2019-2024) & (K Units)

Table 40. APAC Edge Detection Sensors Sales Market Share by Region (2019-2024)

Table 41. APAC Edge Detection Sensors Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Edge Detection Sensors Revenue Market Share by Region (2019-2024)

Table 43. APAC Edge Detection Sensors Sales by Type (2019-2024) & (K Units)

Table 44. APAC Edge Detection Sensors Sales by Application (2019-2024) & (K Units)

Table 45. Europe Edge Detection Sensors Sales by Country (2019-2024) & (K Units)

Table 46. Europe Edge Detection Sensors Sales Market Share by Country (2019-2024)

Table 47. Europe Edge Detection Sensors Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Edge Detection Sensors Revenue Market Share by Country



(2019-2024)

Table 49. Europe Edge Detection Sensors Sales by Type (2019-2024) & (K Units)

Table 50. Europe Edge Detection Sensors Sales by Application (2019-2024) & (K Units)

Table 51. Middle East & Africa Edge Detection Sensors Sales by Country (2019-2024) & (K Units)

Table 52. Middle East & Africa Edge Detection Sensors Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Edge Detection Sensors Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Edge Detection Sensors Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Edge Detection Sensors Sales by Type (2019-2024) & (K Units)

Table 56. Middle East & Africa Edge Detection Sensors Sales by Application (2019-2024) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Edge Detection Sensors

Table 58. Key Market Challenges & Risks of Edge Detection Sensors

Table 59. Key Industry Trends of Edge Detection Sensors

Table 60. Edge Detection Sensors Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Edge Detection Sensors Distributors List

Table 63. Edge Detection Sensors Customer List

Table 64. Global Edge Detection Sensors Sales Forecast by Region (2025-2030) & (K Units)

Table 65. Global Edge Detection Sensors Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas Edge Detection Sensors Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Americas Edge Detection Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC Edge Detection Sensors Sales Forecast by Region (2025-2030) & (K Units)

Table 69. APAC Edge Detection Sensors Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe Edge Detection Sensors Sales Forecast by Country (2025-2030) & (K Units)

Table 71. Europe Edge Detection Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa Edge Detection Sensors Sales Forecast by Country



(2025-2030) & (K Units)

Table 73. Middle East & Africa Edge Detection Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global Edge Detection Sensors Sales Forecast by Type (2025-2030) & (K Units)

Table 75. Global Edge Detection Sensors Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global Edge Detection Sensors Sales Forecast by Application (2025-2030) & (K Units)

Table 77. Global Edge Detection Sensors Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Keyence Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 79. Keyence Edge Detection Sensors Product Portfolios and Specifications

Table 80. Keyence Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 81. Keyence Main Business

Table 82. Keyence Latest Developments

Table 83. Baumer Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 84. Baumer Edge Detection Sensors Product Portfolios and Specifications

Table 85. Baumer Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 86. Baumer Main Business

Table 87. Baumer Latest Developments

Table 88. SICK AG Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 89. SICK AG Edge Detection Sensors Product Portfolios and Specifications

Table 90. SICK AG Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 91. SICK AG Main Business

Table 92. SICK AG Latest Developments

Table 93. Omron Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 94. Omron Edge Detection Sensors Product Portfolios and Specifications

Table 95. Omron Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 96. Omron Main Business

Table 97. Omron Latest Developments

Table 98. Banner Engineering Basic Information, Edge Detection Sensors

Manufacturing Base, Sales Area and Its Competitors

Table 99. Banner Engineering Edge Detection Sensors Product Portfolios and Specifications

Table 100. Banner Engineering Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 101. Banner Engineering Main Business

Table 102. Banner Engineering Latest Developments

Table 103. Balluff Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 104. Balluff Edge Detection Sensors Product Portfolios and Specifications

Table 105. Balluff Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 106. Balluff Main Business

Table 107. Balluff Latest Developments

Table 108. Pepperl+Fuchs Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 109. Pepperl+Fuchs Edge Detection Sensors Product Portfolios and Specifications

Table 110. Pepperl+Fuchs Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 111. Pepperl+Fuchs Main Business

Table 112. Pepperl+Fuchs Latest Developments

Table 113. Microsonic Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 114. Microsonic Edge Detection Sensors Product Portfolios and Specifications

Table 115. Microsonic Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 116. Microsonic Main Business

Table 117. Microsonic Latest Developments

Table 118. Rockwell Automation Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 119. Rockwell Automation Edge Detection Sensors Product Portfolios and Specifications

Table 120. Rockwell Automation Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 121. Rockwell Automation Main Business

Table 122. Rockwell Automation Latest Developments

Table 123. Teledyne DALSA Basic Information, Edge Detection Sensors Manufacturing

Base, Sales Area and Its Competitors

Table 124. Teledyne DALSA Edge Detection Sensors Product Portfolios and Specifications

Table 125. Teledyne DALSA Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 126. Teledyne DALSA Main Business

Table 127. Teledyne DALSA Latest Developments

Table 128. FMS Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 129. FMS Edge Detection Sensors Product Portfolios and Specifications

Table 130. FMS Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 131. FMS Main Business

Table 132. FMS Latest Developments

Table 133. IGM Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 134. IGM Edge Detection Sensors Product Portfolios and Specifications

Table 135. IGM Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 136. IGM Main Business

Table 137. IGM Latest Developments

Table 138. OPTEX Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 139. OPTEX Edge Detection Sensors Product Portfolios and Specifications

Table 140. OPTEX Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 141. OPTEX Main Business

Table 142. OPTEX Latest Developments

Table 143. Maxcess International Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 144. Maxcess International Edge Detection Sensors Product Portfolios and Specifications

Table 145. Maxcess International Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 146. Maxcess International Main Business

Table 147. Maxcess International Latest Developments

Table 148. Mahlo Basic Information, Edge Detection Sensors Manufacturing Base, Sales Area and Its Competitors

Table 149. Mahlo Edge Detection Sensors Product Portfolios and Specifications

Table 150. Mahlo Edge Detection Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 151. Mahlo Main Business

Table 152. Mahlo Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Edge Detection Sensors
- Figure 2. Edge Detection Sensors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Edge Detection Sensors Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Edge Detection Sensors Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Edge Detection Sensors Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Laser Edge Detection Sensors
- Figure 10. Product Picture of Ultrasonic Edge Detection Sensors
- Figure 11. Global Edge Detection Sensors Sales Market Share by Type in 2023
- Figure 12. Global Edge Detection Sensors Revenue Market Share by Type (2019-2024)
- Figure 13. Edge Detection Sensors Consumed in Printing
- Figure 14. Global Edge Detection Sensors Market: Printing (2019-2024) & (K Units)
- Figure 15. Edge Detection Sensors Consumed in Converting
- Figure 16. Global Edge Detection Sensors Market: Converting (2019-2024) & (K Units)
- Figure 17. Edge Detection Sensors Consumed in Packaging
- Figure 18. Global Edge Detection Sensors Market: Packaging (2019-2024) & (K Units)
- Figure 19. Edge Detection Sensors Consumed in Others
- Figure 20. Global Edge Detection Sensors Market: Others (2019-2024) & (K Units)
- Figure 21. Global Edge Detection Sensors Sales Market Share by Application (2023)
- Figure 22. Global Edge Detection Sensors Revenue Market Share by Application in 2023
- Figure 23. Edge Detection Sensors Sales Market by Company in 2023 (K Units)
- Figure 24. Global Edge Detection Sensors Sales Market Share by Company in 2023
- Figure 25. Edge Detection Sensors Revenue Market by Company in 2023 (\$ Million)
- Figure 26. Global Edge Detection Sensors Revenue Market Share by Company in 2023
- Figure 27. Global Edge Detection Sensors Sales Market Share by Geographic Region (2019-2024)
- Figure 28. Global Edge Detection Sensors Revenue Market Share by Geographic Region in 2023
- Figure 29. Americas Edge Detection Sensors Sales 2019-2024 (K Units)
- Figure 30. Americas Edge Detection Sensors Revenue 2019-2024 (\$ Millions)
- Figure 31. APAC Edge Detection Sensors Sales 2019-2024 (K Units)
- Figure 32. APAC Edge Detection Sensors Revenue 2019-2024 (\$ Millions)

Figure 33. Europe Edge Detection Sensors Sales 2019-2024 (K Units)

Figure 34. Europe Edge Detection Sensors Revenue 2019-2024 (\$ Millions)

Figure 35. Middle East & Africa Edge Detection Sensors Sales 2019-2024 (K Units)

Figure 36. Middle East & Africa Edge Detection Sensors Revenue 2019-2024 (\$ Millions)

Figure 37. Americas Edge Detection Sensors Sales Market Share by Country in 2023

Figure 38. Americas Edge Detection Sensors Revenue Market Share by Country in 2023

Figure 39. Americas Edge Detection Sensors Sales Market Share by Type (2019-2024)

Figure 40. Americas Edge Detection Sensors Sales Market Share by Application (2019-2024)

Figure 41. United States Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 42. Canada Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 43. Mexico Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Brazil Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 45. APAC Edge Detection Sensors Sales Market Share by Region in 2023

Figure 46. APAC Edge Detection Sensors Revenue Market Share by Regions in 2023

Figure 47. APAC Edge Detection Sensors Sales Market Share by Type (2019-2024)

Figure 48. APAC Edge Detection Sensors Sales Market Share by Application (2019-2024)

Figure 49. China Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Japan Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 51. South Korea Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Southeast Asia Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 53. India Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Australia Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 55. China Taiwan Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Europe Edge Detection Sensors Sales Market Share by Country in 2023

Figure 57. Europe Edge Detection Sensors Revenue Market Share by Country in 2023

Figure 58. Europe Edge Detection Sensors Sales Market Share by Type (2019-2024)

Figure 59. Europe Edge Detection Sensors Sales Market Share by Application (2019-2024)

Figure 60. Germany Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 61. France Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 62. UK Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)



Figure 63. Italy Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Russia Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Middle East & Africa Edge Detection Sensors Sales Market Share by Country in 2023

Figure 66. Middle East & Africa Edge Detection Sensors Revenue Market Share by Country in 2023

Figure 67. Middle East & Africa Edge Detection Sensors Sales Market Share by Type (2019-2024)

Figure 68. Middle East & Africa Edge Detection Sensors Sales Market Share by Application (2019-2024)

Figure 69. Egypt Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 70. South Africa Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Israel Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Turkey Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 73. GCC Country Edge Detection Sensors Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Manufacturing Cost Structure Analysis of Edge Detection Sensors in 2023

Figure 75. Manufacturing Process Analysis of Edge Detection Sensors

Figure 76. Industry Chain Structure of Edge Detection Sensors

Figure 77. Channels of Distribution

Figure 78. Global Edge Detection Sensors Sales Market Forecast by Region (2025-2030)

Figure 79. Global Edge Detection Sensors Revenue Market Share Forecast by Region (2025-2030)

Figure 80. Global Edge Detection Sensors Sales Market Share Forecast by Type (2025-2030)

Figure 81. Global Edge Detection Sensors Revenue Market Share Forecast by Type (2025-2030)

Figure 82. Global Edge Detection Sensors Sales Market Share Forecast by Application (2025-2030)

Figure 83. Global Edge Detection Sensors Revenue Market Share Forecast by Application (2025-2030)

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