

# Global Through Beam Receivers Market Growth 2026-2032

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## Abstracts

The global Through Beam Receivers market size is predicted to grow from US\$ 822 million in 2025 to US\$ 1330 million in 2032; it is expected to grow at a CAGR of 7.2% from 2026 to 2032.

In 2025, global Through Beam Receiver output reached about 120 million unit and global capacity of around 170 million unit. The average price is about USD 7 per unit, with gross margins near 33%. A Through Beam Receiver is the receiving component of a through-beam (opposed-mode) photoelectric sensor system, designed to detect the presence or absence of an object by capturing a continuous light beam (typically infrared or visible) emitted from a separate transmitter; when an object interrupts this beam, the receiver registers a signal change and triggers a switching output. In the supply chain, upstream elements include semiconductor light-sensitive components (photodiodes, phototransistors), optical lenses, filters, and electronic ICs sourced from optoelectronic and semiconductor suppliers; midstream manufacturing involves sensor OEMs integrating optics, signal processing circuits, housings, and calibration systems into industrial-grade receiver units; downstream, these receivers are distributed via automation distributors and system integrators and deployed across end-use sectors such as factory automation, packaging, logistics, automotive production lines, and safety systems, where high-precision object detection and long sensing distances are required.

United States market for Through Beam Receivers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Through Beam Receivers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Through Beam Receivers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Through Beam Receivers players cover SICK, Keyence, OMRON, Pepperl+Fuchs, Banner, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Through Beam Receivers 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 Through Beam Receivers.

This report presents a comprehensive overview, market shares, and growth opportunities of Through Beam Receivers market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Photodiode-based Receivers

## Phototransistor-based Receivers

### Segmentation by Response Mode:

Light-ON Receivers

Dark-ON Receivers

### Segmentation by Application:

Automotive

Industrial

Robotics

Packaging

Logistics

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 analysing the company's coverage, product portfolio, its

market penetration.

SICK

Keyence

OMRON

Pepperl+Fuchs

Banner

Balluff

ifm electronic

Leuze electronic

Baumer Group

Contrinex

Schneider Electric

Rockwell Automation

Siemens

Panasonic

Mitsubishi Electric

ABB Group

Eaton

Honeywell

Turck

Telco Sensors

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Through Beam Receivers market?

What factors are driving Through Beam Receivers market growth, globally and by region?

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

How do Through Beam Receivers market opportunities vary by end market size?

How does Through Beam Receivers break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

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

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Through Beam Receivers Annual Sales 2021-2032

- 2.1.2 World Current & Future Analysis for Through Beam Receivers by Geographic Region, 2021, 2025 & 2032

- 2.1.3 World Current & Future Analysis for Through Beam Receivers by Country/Region, 2021, 2025 & 2032

#### 2.2 Through Beam Receivers Segment by Type

- 2.2.1 Photodiode-based Receivers

- 2.2.2 Phototransistor-based Receivers

- 2.2.3 Through Beam Receivers Sales by Type

- 2.2.3.1 Global Through Beam Receivers Sales Market Share by Type (2021-2026)

- 2.2.3.2 Global Through Beam Receivers Revenue and Market Share by Type

- (2021-2026)

- 2.2.3.3 Global Through Beam Receivers Sale Price by Type (2021-2026)

#### 2.3 Through Beam Receivers Segment by Response Mode

- 2.3.1 Light-ON Receivers

- 2.3.2 Dark-ON Receivers

- 2.3.3 Through Beam Receivers Sales by Response Mode

- 2.3.3.1 Global Through Beam Receivers Sales Market Share by Response Mode (2021-2026)

- 2.3.3.2 Global Through Beam Receivers Revenue and Market Share by Response Mode (2021-2026)

- 2.3.3.3 Global Through Beam Receivers Sale Price by Response Mode (2021-2026)

#### 2.4 Through Beam Receivers Segment by Application

- 2.4.1 Automotive
- 2.4.2 Industrial
- 2.4.3 Robotics
- 2.4.4 Packaging
- 2.4.5 Logistics
- 2.4.6 Others
- 2.4.7 Through Beam Receivers Sales by Application
  - 2.4.7.1 Global Through Beam Receivers Sale Market Share by Application (2021-2026)
  - 2.4.7.2 Global Through Beam Receivers Revenue and Market Share by Application (2021-2026)
  - 2.4.7.3 Global Through Beam Receivers Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Through Beam Receivers Breakdown Data by Company
  - 3.1.1 Global Through Beam Receivers Annual Sales by Company (2021-2026)
  - 3.1.2 Global Through Beam Receivers Sales Market Share by Company (2021-2026)
- 3.2 Global Through Beam Receivers Annual Revenue by Company (2021-2026)
  - 3.2.1 Global Through Beam Receivers Revenue by Company (2021-2026)
  - 3.2.2 Global Through Beam Receivers Revenue Market Share by Company (2021-2026)
- 3.3 Global Through Beam Receivers Sale Price by Company
- 3.4 Key Manufacturers Through Beam Receivers Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Through Beam Receivers Product Location Distribution
  - 3.4.2 Players Through Beam Receivers Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR THROUGH BEAM RECEIVERS BY GEOGRAPHIC REGION**

- 4.1 World Historic Through Beam Receivers Market Size by Geographic Region (2021-2026)
  - 4.1.1 Global Through Beam Receivers Annual Sales by Geographic Region

(2021-2026)

4.1.2 Global Through Beam Receivers Annual Revenue by Geographic Region

(2021-2026)

4.2 World Historic Through Beam Receivers Market Size by Country/Region

(2021-2026)

4.2.1 Global Through Beam Receivers Annual Sales by Country/Region (2021-2026)

4.2.2 Global Through Beam Receivers Annual Revenue by Country/Region

(2021-2026)

4.3 Americas Through Beam Receivers Sales Growth

4.4 APAC Through Beam Receivers Sales Growth

4.5 Europe Through Beam Receivers Sales Growth

4.6 Middle East & Africa Through Beam Receivers Sales Growth

## **5 AMERICAS**

5.1 Americas Through Beam Receivers Sales by Country

5.1.1 Americas Through Beam Receivers Sales by Country (2021-2026)

5.1.2 Americas Through Beam Receivers Revenue by Country (2021-2026)

5.2 Americas Through Beam Receivers Sales by Type (2021-2026)

5.3 Americas Through Beam Receivers Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Through Beam Receivers Sales by Region

6.1.1 APAC Through Beam Receivers Sales by Region (2021-2026)

6.1.2 APAC Through Beam Receivers Revenue by Region (2021-2026)

6.2 APAC Through Beam Receivers Sales by Type (2021-2026)

6.3 APAC Through Beam Receivers Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

### 7.1 Europe Through Beam Receivers by Country

7.1.1 Europe Through Beam Receivers Sales by Country (2021-2026)

7.1.2 Europe Through Beam Receivers Revenue by Country (2021-2026)

### 7.2 Europe Through Beam Receivers Sales by Type (2021-2026)

### 7.3 Europe Through Beam Receivers Sales by Application (2021-2026)

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa Through Beam Receivers by Country

8.1.1 Middle East & Africa Through Beam Receivers Sales by Country (2021-2026)

8.1.2 Middle East & Africa Through Beam Receivers Revenue by Country (2021-2026)

### 8.2 Middle East & Africa Through Beam Receivers Sales by Type (2021-2026)

### 8.3 Middle East & Africa Through Beam Receivers Sales by Application (2021-2026)

### 8.4 Egypt

### 8.5 South Africa

### 8.6 Israel

### 8.7 Turkey

### 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

### 9.1 Market Drivers & Growth Opportunities

### 9.2 Market Challenges & Risks

### 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

### 10.1 Raw Material and Suppliers

### 10.2 Manufacturing Cost Structure Analysis of Through Beam Receivers

### 10.3 Manufacturing Process Analysis of Through Beam Receivers

### 10.4 Industry Chain Structure of Through Beam Receivers

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

### 11.1 Sales Channel

#### 11.1.1 Direct Channels

#### 11.1.2 Indirect Channels

### 11.2 Through Beam Receivers Distributors

### 11.3 Through Beam Receivers Customer

## **12 WORLD FORECAST REVIEW FOR THROUGH BEAM RECEIVERS BY GEOGRAPHIC REGION**

### 12.1 Global Through Beam Receivers Market Size Forecast by Region

#### 12.1.1 Global Through Beam Receivers Forecast by Region (2027-2032)

#### 12.1.2 Global Through Beam Receivers Annual Revenue Forecast by Region (2027-2032)

### 12.2 Americas Forecast by Country (2027-2032)

### 12.3 APAC Forecast by Region (2027-2032)

### 12.4 Europe Forecast by Country (2027-2032)

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

### 12.6 Global Through Beam Receivers Forecast by Type (2027-2032)

### 12.7 Global Through Beam Receivers Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 SICK

#### 13.1.1 SICK Company Information

#### 13.1.2 SICK Through Beam Receivers Product Portfolios and Specifications

#### 13.1.3 SICK Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.1.4 SICK Main Business Overview

#### 13.1.5 SICK Latest Developments

### 13.2 Keyence

#### 13.2.1 Keyence Company Information

#### 13.2.2 Keyence Through Beam Receivers Product Portfolios and Specifications

#### 13.2.3 Keyence Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.2.4 Keyence Main Business Overview

#### 13.2.5 Keyence Latest Developments

### 13.3 OMRON

13.3.1 OMRON Company Information

13.3.2 OMRON Through Beam Receivers Product Portfolios and Specifications

13.3.3 OMRON Through Beam Receivers Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.3.4 OMRON Main Business Overview

13.3.5 OMRON Latest Developments

### 13.4 Pepperl+Fuchs

13.4.1 Pepperl+Fuchs Company Information

13.4.2 Pepperl+Fuchs Through Beam Receivers Product Portfolios and Specifications

13.4.3 Pepperl+Fuchs Through Beam Receivers Sales, Revenue, Price and Gross  
Margin (2021-2026)

13.4.4 Pepperl+Fuchs Main Business Overview

13.4.5 Pepperl+Fuchs Latest Developments

### 13.5 Banner

13.5.1 Banner Company Information

13.5.2 Banner Through Beam Receivers Product Portfolios and Specifications

13.5.3 Banner Through Beam Receivers Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.5.4 Banner Main Business Overview

13.5.5 Banner Latest Developments

### 13.6 Balluff

13.6.1 Balluff Company Information

13.6.2 Balluff Through Beam Receivers Product Portfolios and Specifications

13.6.3 Balluff Through Beam Receivers Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.6.4 Balluff Main Business Overview

13.6.5 Balluff Latest Developments

### 13.7 ifm electronic

13.7.1 ifm electronic Company Information

13.7.2 ifm electronic Through Beam Receivers Product Portfolios and Specifications

13.7.3 ifm electronic Through Beam Receivers Sales, Revenue, Price and Gross  
Margin (2021-2026)

13.7.4 ifm electronic Main Business Overview

13.7.5 ifm electronic Latest Developments

### 13.8 Leuze electronic

13.8.1 Leuze electronic Company Information

13.8.2 Leuze electronic Through Beam Receivers Product Portfolios and  
Specifications

13.8.3 Leuze electronic Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Leuze electronic Main Business Overview

13.8.5 Leuze electronic Latest Developments

13.9 Baumer Group

13.9.1 Baumer Group Company Information

13.9.2 Baumer Group Through Beam Receivers Product Portfolios and Specifications

13.9.3 Baumer Group Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Baumer Group Main Business Overview

13.9.5 Baumer Group Latest Developments

13.10 Contrinex

13.10.1 Contrinex Company Information

13.10.2 Contrinex Through Beam Receivers Product Portfolios and Specifications

13.10.3 Contrinex Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Contrinex Main Business Overview

13.10.5 Contrinex Latest Developments

13.11 Schneider Electric

13.11.1 Schneider Electric Company Information

13.11.2 Schneider Electric Through Beam Receivers Product Portfolios and Specifications

13.11.3 Schneider Electric Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Schneider Electric Main Business Overview

13.11.5 Schneider Electric Latest Developments

13.12 Rockwell Automation

13.12.1 Rockwell Automation Company Information

13.12.2 Rockwell Automation Through Beam Receivers Product Portfolios and Specifications

13.12.3 Rockwell Automation Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Rockwell Automation Main Business Overview

13.12.5 Rockwell Automation Latest Developments

13.13 Siemens

13.13.1 Siemens Company Information

13.13.2 Siemens Through Beam Receivers Product Portfolios and Specifications

13.13.3 Siemens Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.13.4 Siemens Main Business Overview
- 13.13.5 Siemens Latest Developments
- 13.14 Panasonic
  - 13.14.1 Panasonic Company Information
  - 13.14.2 Panasonic Through Beam Receivers Product Portfolios and Specifications
  - 13.14.3 Panasonic Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.14.4 Panasonic Main Business Overview
  - 13.14.5 Panasonic Latest Developments
- 13.15 Mitsubishi Electric
  - 13.15.1 Mitsubishi Electric Company Information
  - 13.15.2 Mitsubishi Electric Through Beam Receivers Product Portfolios and Specifications
  - 13.15.3 Mitsubishi Electric Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.15.4 Mitsubishi Electric Main Business Overview
  - 13.15.5 Mitsubishi Electric Latest Developments
- 13.16 ABB Group
  - 13.16.1 ABB Group Company Information
  - 13.16.2 ABB Group Through Beam Receivers Product Portfolios and Specifications
  - 13.16.3 ABB Group Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.16.4 ABB Group Main Business Overview
  - 13.16.5 ABB Group Latest Developments
- 13.17 Eaton
  - 13.17.1 Eaton Company Information
  - 13.17.2 Eaton Through Beam Receivers Product Portfolios and Specifications
  - 13.17.3 Eaton Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.17.4 Eaton Main Business Overview
  - 13.17.5 Eaton Latest Developments
- 13.18 Honeywell
  - 13.18.1 Honeywell Company Information
  - 13.18.2 Honeywell Through Beam Receivers Product Portfolios and Specifications
  - 13.18.3 Honeywell Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.18.4 Honeywell Main Business Overview
  - 13.18.5 Honeywell Latest Developments
- 13.19 Turck

- 13.19.1 Turck Company Information
- 13.19.2 Turck Through Beam Receivers Product Portfolios and Specifications
- 13.19.3 Turck Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.19.4 Turck Main Business Overview
- 13.19.5 Turck Latest Developments
- 13.20 Telco Sensors
  - 13.20.1 Telco Sensors Company Information
  - 13.20.2 Telco Sensors Through Beam Receivers Product Portfolios and Specifications
  - 13.20.3 Telco Sensors Through Beam Receivers Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.20.4 Telco Sensors Main Business Overview
  - 13.20.5 Telco Sensors Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Through Beam Receivers Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Through Beam Receivers Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Photodiode-based Receivers
- Table 4. Major Players of Phototransistor-based Receivers
- Table 5. Global Through Beam Receivers Sales by Type (2021-2026) & (K Units)
- Table 6. Global Through Beam Receivers Sales Market Share by Type (2021-2026)
- Table 7. Global Through Beam Receivers Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Through Beam Receivers Revenue Market Share by Type (2021-2026)
- Table 9. Global Through Beam Receivers Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Major Players of Light-ON Receivers
- Table 11. Major Players of Dark-ON Receivers
- Table 12. Global Through Beam Receivers Sales by Response Mode (2021-2026) & (K Units)
- Table 13. Global Through Beam Receivers Sales Market Share by Response Mode (2021-2026)
- Table 14. Global Through Beam Receivers Revenue by Response Mode (2021-2026) & (\$ million)
- Table 15. Global Through Beam Receivers Revenue Market Share by Response Mode (2021-2026)
- Table 16. Global Through Beam Receivers Sale Price by Response Mode (2021-2026) & (US\$/Unit)
- Table 17. Global Through Beam Receivers Sale by Application (2021-2026) & (K Units)
- Table 18. Global Through Beam Receivers Sale Market Share by Application (2021-2026)
- Table 19. Global Through Beam Receivers Revenue by Application (2021-2026) & (\$ million)
- Table 20. Global Through Beam Receivers Revenue Market Share by Application (2021-2026)
- Table 21. Global Through Beam Receivers Sale Price by Application (2021-2026) & (US\$/Unit)
- Table 22. Global Through Beam Receivers Sales by Company (2021-2026) & (K Units)
- Table 23. Global Through Beam Receivers Sales Market Share by Company (2021-2026)

Table 24. Global Through Beam Receivers Revenue by Company (2021-2026) & (\$ millions)

Table 25. Global Through Beam Receivers Revenue Market Share by Company (2021-2026)

Table 26. Global Through Beam Receivers Sale Price by Company (2021-2026) & (US\$/Unit)

Table 27. Key Manufacturers Through Beam Receivers Producing Area Distribution and Sales Area

Table 28. Players Through Beam Receivers Products Offered

Table 29. Through Beam Receivers Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 30. New Products and Potential Entrants

Table 31. Market M&A Activity & Strategy

Table 32. Global Through Beam Receivers Sales by Geographic Region (2021-2026) & (K Units)

Table 33. Global Through Beam Receivers Sales Market Share Geographic Region (2021-2026)

Table 34. Global Through Beam Receivers Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 35. Global Through Beam Receivers Revenue Market Share by Geographic Region (2021-2026)

Table 36. Global Through Beam Receivers Sales by Country/Region (2021-2026) & (K Units)

Table 37. Global Through Beam Receivers Sales Market Share by Country/Region (2021-2026)

Table 38. Global Through Beam Receivers Revenue by Country/Region (2021-2026) & (\$ millions)

Table 39. Global Through Beam Receivers Revenue Market Share by Country/Region (2021-2026)

Table 40. Americas Through Beam Receivers Sales by Country (2021-2026) & (K Units)

Table 41. Americas Through Beam Receivers Sales Market Share by Country (2021-2026)

Table 42. Americas Through Beam Receivers Revenue by Country (2021-2026) & (\$ millions)

Table 43. Americas Through Beam Receivers Sales by Type (2021-2026) & (K Units)

Table 44. Americas Through Beam Receivers Sales by Application (2021-2026) & (K Units)

Table 45. APAC Through Beam Receivers Sales by Region (2021-2026) & (K Units)

Table 46. APAC Through Beam Receivers Sales Market Share by Region (2021-2026)

- Table 47. APAC Through Beam Receivers Revenue by Region (2021-2026) & (\$ millions)
- Table 48. APAC Through Beam Receivers Sales by Type (2021-2026) & (K Units)
- Table 49. APAC Through Beam Receivers Sales by Application (2021-2026) & (K Units)
- Table 50. Europe Through Beam Receivers Sales by Country (2021-2026) & (K Units)
- Table 51. Europe Through Beam Receivers Revenue by Country (2021-2026) & (\$ millions)
- Table 52. Europe Through Beam Receivers Sales by Type (2021-2026) & (K Units)
- Table 53. Europe Through Beam Receivers Sales by Application (2021-2026) & (K Units)
- Table 54. Middle East & Africa Through Beam Receivers Sales by Country (2021-2026) & (K Units)
- Table 55. Middle East & Africa Through Beam Receivers Revenue Market Share by Country (2021-2026)
- Table 56. Middle East & Africa Through Beam Receivers Sales by Type (2021-2026) & (K Units)
- Table 57. Middle East & Africa Through Beam Receivers Sales by Application (2021-2026) & (K Units)
- Table 58. Key Market Drivers & Growth Opportunities of Through Beam Receivers
- Table 59. Key Market Challenges & Risks of Through Beam Receivers
- Table 60. Key Industry Trends of Through Beam Receivers
- Table 61. Through Beam Receivers Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Through Beam Receivers Distributors List
- Table 64. Through Beam Receivers Customer List
- Table 65. Global Through Beam Receivers Sales Forecast by Region (2027-2032) & (K Units)
- Table 66. Global Through Beam Receivers Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 67. Americas Through Beam Receivers Sales Forecast by Country (2027-2032) & (K Units)
- Table 68. Americas Through Beam Receivers Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 69. APAC Through Beam Receivers Sales Forecast by Region (2027-2032) & (K Units)
- Table 70. APAC Through Beam Receivers Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 71. Europe Through Beam Receivers Sales Forecast by Country (2027-2032) & (K Units)

Table 72. Europe Through Beam Receivers Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 73. Middle East & Africa Through Beam Receivers Sales Forecast by Country (2027-2032) & (K Units)

Table 74. Middle East & Africa Through Beam Receivers Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 75. Global Through Beam Receivers Sales Forecast by Type (2027-2032) & (K Units)

Table 76. Global Through Beam Receivers Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 77. Global Through Beam Receivers Sales Forecast by Application (2027-2032) & (K Units)

Table 78. Global Through Beam Receivers Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 79. SICK Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 80. SICK Through Beam Receivers Product Portfolios and Specifications

Table 81. SICK Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 82. SICK Main Business

Table 83. SICK Latest Developments

Table 84. Keyence Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 85. Keyence Through Beam Receivers Product Portfolios and Specifications

Table 86. Keyence Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 87. Keyence Main Business

Table 88. Keyence Latest Developments

Table 89. OMRON Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 90. OMRON Through Beam Receivers Product Portfolios and Specifications

Table 91. OMRON Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 92. OMRON Main Business

Table 93. OMRON Latest Developments

Table 94. Pepperl+Fuchs Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 95. Pepperl+Fuchs Through Beam Receivers Product Portfolios and Specifications

- Table 96. Pepperl+Fuchs Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 97. Pepperl+Fuchs Main Business
- Table 98. Pepperl+Fuchs Latest Developments
- Table 99. Banner Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 100. Banner Through Beam Receivers Product Portfolios and Specifications
- Table 101. Banner Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 102. Banner Main Business
- Table 103. Banner Latest Developments
- Table 104. Balluff Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 105. Balluff Through Beam Receivers Product Portfolios and Specifications
- Table 106. Balluff Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 107. Balluff Main Business
- Table 108. Balluff Latest Developments
- Table 109. ifm electronic Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 110. ifm electronic Through Beam Receivers Product Portfolios and Specifications
- Table 111. ifm electronic Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 112. ifm electronic Main Business
- Table 113. ifm electronic Latest Developments
- Table 114. Leuze electronic Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 115. Leuze electronic Through Beam Receivers Product Portfolios and Specifications
- Table 116. Leuze electronic Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 117. Leuze electronic Main Business
- Table 118. Leuze electronic Latest Developments
- Table 119. Baumer Group Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 120. Baumer Group Through Beam Receivers Product Portfolios and Specifications
- Table 121. Baumer Group Through Beam Receivers Sales (K Units), Revenue (\$

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

Table 122. Baumer Group Main Business

Table 123. Baumer Group Latest Developments

Table 124. Contrinex Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 125. Contrinex Through Beam Receivers Product Portfolios and Specifications

Table 126. Contrinex Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 127. Contrinex Main Business

Table 128. Contrinex Latest Developments

Table 129. Schneider Electric Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 130. Schneider Electric Through Beam Receivers Product Portfolios and Specifications

Table 131. Schneider Electric Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 132. Schneider Electric Main Business

Table 133. Schneider Electric Latest Developments

Table 134. Rockwell Automation Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 135. Rockwell Automation Through Beam Receivers Product Portfolios and Specifications

Table 136. Rockwell Automation Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 137. Rockwell Automation Main Business

Table 138. Rockwell Automation Latest Developments

Table 139. Siemens Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 140. Siemens Through Beam Receivers Product Portfolios and Specifications

Table 141. Siemens Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 142. Siemens Main Business

Table 143. Siemens Latest Developments

Table 144. Panasonic Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 145. Panasonic Through Beam Receivers Product Portfolios and Specifications

Table 146. Panasonic Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 147. Panasonic Main Business

- Table 148. Panasonic Latest Developments
- Table 149. Mitsubishi Electric Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 150. Mitsubishi Electric Through Beam Receivers Product Portfolios and Specifications
- Table 151. Mitsubishi Electric Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 152. Mitsubishi Electric Main Business
- Table 153. Mitsubishi Electric Latest Developments
- Table 154. ABB Group Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 155. ABB Group Through Beam Receivers Product Portfolios and Specifications
- Table 156. ABB Group Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 157. ABB Group Main Business
- Table 158. ABB Group Latest Developments
- Table 159. Eaton Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 160. Eaton Through Beam Receivers Product Portfolios and Specifications
- Table 161. Eaton Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 162. Eaton Main Business
- Table 163. Eaton Latest Developments
- Table 164. Honeywell Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 165. Honeywell Through Beam Receivers Product Portfolios and Specifications
- Table 166. Honeywell Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 167. Honeywell Main Business
- Table 168. Honeywell Latest Developments
- Table 169. Turck Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors
- Table 170. Turck Through Beam Receivers Product Portfolios and Specifications
- Table 171. Turck Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 172. Turck Main Business
- Table 173. Turck Latest Developments
- Table 174. Telco Sensors Basic Information, Through Beam Receivers Manufacturing Base, Sales Area and Its Competitors

Table 175. Telco Sensors Through Beam Receivers Product Portfolios and Specifications

Table 176. Telco Sensors Through Beam Receivers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 177. Telco Sensors Main Business

Table 178. Telco Sensors Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Through Beam Receivers
- Figure 2. Through Beam Receivers Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Through Beam Receivers Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Through Beam Receivers Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Through Beam Receivers Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Through Beam Receivers Sales Market Share by Country/Region (2025)
- Figure 10. Through Beam Receivers Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Photodiode-based Receivers
- Figure 12. Product Picture of Phototransistor-based Receivers
- Figure 13. Global Through Beam Receivers Sales Market Share by Type in 2026
- Figure 14. Global Through Beam Receivers Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Light-ON Receivers
- Figure 16. Product Picture of Dark-ON Receivers
- Figure 17. Global Through Beam Receivers Sales Market Share by Response Mode in 2026
- Figure 18. Global Through Beam Receivers Revenue Market Share by Response Mode (2021-2026)
- Figure 19. Through Beam Receivers Consumed in Automotive
- Figure 20. Global Through Beam Receivers Market: Automotive (2021-2026) & (K Units)
- Figure 21. Through Beam Receivers Consumed in Industrial
- Figure 22. Global Through Beam Receivers Market: Industrial (2021-2026) & (K Units)
- Figure 23. Through Beam Receivers Consumed in Robotics
- Figure 24. Global Through Beam Receivers Market: Robotics (2021-2026) & (K Units)
- Figure 25. Through Beam Receivers Consumed in Packaging
- Figure 26. Global Through Beam Receivers Market: Packaging (2021-2026) & (K Units)
- Figure 27. Through Beam Receivers Consumed in Logistics
- Figure 28. Global Through Beam Receivers Market: Logistics (2021-2026) & (K Units)

Figure 29. Through Beam Receivers Consumed in Others

Figure 30. Global Through Beam Receivers Market: Others (2021-2026) & (K Units)

Figure 31. Global Through Beam Receivers Sale Market Share by Application (2025)

Figure 32. Global Through Beam Receivers Revenue Market Share by Application in 2025

Figure 33. Through Beam Receivers Sales by Company in 2025 (K Units)

Figure 34. Global Through Beam Receivers Sales Market Share by Company in 2025

Figure 35. Through Beam Receivers Revenue by Company in 2025 (\$ millions)

Figure 36. Global Through Beam Receivers Revenue Market Share by Company in 2025

Figure 37. Global Through Beam Receivers Sales Market Share by Geographic Region (2021-2026)

Figure 38. Global Through Beam Receivers Revenue Market Share by Geographic Region in 2025

Figure 39. Americas Through Beam Receivers Sales 2021-2026 (K Units)

Figure 40. Americas Through Beam Receivers Revenue 2021-2026 (\$ millions)

Figure 41. APAC Through Beam Receivers Sales 2021-2026 (K Units)

Figure 42. APAC Through Beam Receivers Revenue 2021-2026 (\$ millions)

Figure 43. Europe Through Beam Receivers Sales 2021-2026 (K Units)

Figure 44. Europe Through Beam Receivers Revenue 2021-2026 (\$ millions)

Figure 45. Middle East & Africa Through Beam Receivers Sales 2021-2026 (K Units)

Figure 46. Middle East & Africa Through Beam Receivers Revenue 2021-2026 (\$ millions)

Figure 47. Americas Through Beam Receivers Sales Market Share by Country in 2025

Figure 48. Americas Through Beam Receivers Revenue Market Share by Country (2021-2026)

Figure 49. Americas Through Beam Receivers Sales Market Share by Type (2021-2026)

Figure 50. Americas Through Beam Receivers Sales Market Share by Application (2021-2026)

Figure 51. United States Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 52. Canada Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 53. Mexico Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 54. Brazil Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 55. APAC Through Beam Receivers Sales Market Share by Region in 2025

Figure 56. APAC Through Beam Receivers Revenue Market Share by Region (2021-2026)

Figure 57. APAC Through Beam Receivers Sales Market Share by Type (2021-2026)

Figure 58. APAC Through Beam Receivers Sales Market Share by Application (2021-2026)

Figure 59. China Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 60. Japan Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 61. South Korea Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 62. Southeast Asia Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 63. India Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 64. Australia Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 65. China Taiwan Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 66. Europe Through Beam Receivers Sales Market Share by Country in 2025

Figure 67. Europe Through Beam Receivers Revenue Market Share by Country (2021-2026)

Figure 68. Europe Through Beam Receivers Sales Market Share by Type (2021-2026)

Figure 69. Europe Through Beam Receivers Sales Market Share by Application (2021-2026)

Figure 70. Germany Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 71. France Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 72. UK Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 73. Italy Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 74. Russia Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 75. Middle East & Africa Through Beam Receivers Sales Market Share by Country (2021-2026)

Figure 76. Middle East & Africa Through Beam Receivers Sales Market Share by Type (2021-2026)

Figure 77. Middle East & Africa Through Beam Receivers Sales Market Share by Application (2021-2026)

Figure 78. Egypt Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 79. South Africa Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 80. Israel Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 81. Turkey Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 82. GCC Countries Through Beam Receivers Revenue Growth 2021-2026 (\$ millions)

Figure 83. Manufacturing Cost Structure Analysis of Through Beam Receivers in 2026

Figure 84. Manufacturing Process Analysis of Through Beam Receivers

Figure 85. Industry Chain Structure of Through Beam Receivers

Figure 86. Channels of Distribution

Figure 87. Global Through Beam Receivers Sales Market Forecast by Region  
(2027-2032)

Figure 88. Global Through Beam Receivers Revenue Market Share Forecast by Region  
(2027-2032)

Figure 89. Global Through Beam Receivers Sales Market Share Forecast by Type  
(2027-2032)

Figure 90. Global Through Beam Receivers Revenue Market Share Forecast by Type  
(2027-2032)

Figure 91. Global Through Beam Receivers Sales Market Share Forecast by  
Application (2027-2032)

Figure 92. Global Through Beam Receivers Revenue Market Share Forecast by  
Application (2027-2032)

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