

# Global Optical Encoders Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GF93498A893EN.html>

Date: January 2024

Pages: 153

Price: US\$ 3,480.00 (Single User License)

ID: GF93498A893EN

## Abstracts

According to our (Global Info Research) latest study, the global Optical Encoders market size was valued at USD 12310 million in 2023 and is forecast to a readjusted size of USD 17850 million by 2030 with a CAGR of 5.5% during review period.

An optical encoder is a type of encoder that uses a sensor to identify position change as light passes through a patterned encoder wheel or disk.

Global Optical Encoders key players include Broadcom, BEI Sensors, Renishaw, Baumer Group, etc. Global top four manufacturers hold a share nearly 25%.

North America is the largest market, with a share over 35%, followed by China, and Europe, both have a share about 40 percent.

In terms of product, Incremental Encoders is the largest segment, with a share over 65%. And in terms of application, the largest application is Machine Tool, followed by Assembly Equipment, Consumer Electronics, Healthcare, etc.

The Global Info Research report includes an overview of the development of the Optical Encoders industry chain, the market status of Healthcare (Incremental Encoders, Absolute Encoders), Machine Tool (Incremental Encoders, Absolute Encoders), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Optical Encoders.

Regionally, the report analyzes the Optical Encoders 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 Optical Encoders market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Optical Encoders 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 Optical Encoders 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 (M Units), revenue generated, and market share of different by Type (e.g., Incremental Encoders, Absolute Encoders).

**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 Optical Encoders market.

**Regional Analysis:** The report involves examining the Optical Encoders 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 Optical Encoders market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Optical Encoders:

**Company Analysis:** Report covers individual Optical Encoders 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 Optical Encoders This may involve surveys, interviews, and analysis

of consumer reviews and feedback from different by Application (Healthcare, Machine Tool).

**Technology Analysis:** Report covers specific technologies relevant to Optical Encoders. It assesses the current state, advancements, and potential future developments in Optical Encoders areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Optical Encoders 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

Optical Encoders 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

Incremental Encoders

Absolute Encoders

### Market segment by Application

Healthcare

Machine Tool

Consumer Electronics

Assembly Equipment

Other

## Major players covered

Broadcom

BEI Sensors

Renishaw

Dynapar

Baumer Group

TAMAGAWA SEIKI Co.,Ltd

CTS

Allied Motion

EPC

US Digital

CUI

OMRON Corporation

HEIDENHAIN

Bourns

Grayhill

Gurley Precision Instruments

HONEYWELL INTERNATIONAL INC

Graduate Honest Sensor Corp

HONTKO

Yuheng Optics Co., Ltd

Inovance Technology

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 Optical Encoders product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Optical Encoders 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 Optical Encoders 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 Optical Encoders.

Chapter 14 and 15, to describe Optical Encoders sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Optical Encoders
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Optical Encoders Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Incremental Encoders
  - 1.3.3 Absolute Encoders
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Optical Encoders Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Healthcare
  - 1.4.3 Machine Tool
  - 1.4.4 Consumer Electronics
  - 1.4.5 Assembly Equipment
  - 1.4.6 Other
- 1.5 Global Optical Encoders Market Size & Forecast
  - 1.5.1 Global Optical Encoders Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Optical Encoders Sales Quantity (2019-2030)
  - 1.5.3 Global Optical Encoders Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Broadcom
  - 2.1.1 Broadcom Details
  - 2.1.2 Broadcom Major Business
  - 2.1.3 Broadcom Optical Encoders Product and Services
  - 2.1.4 Broadcom Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Broadcom Recent Developments/Updates
- 2.2 BEI Sensors
  - 2.2.1 BEI Sensors Details
  - 2.2.2 BEI Sensors Major Business
  - 2.2.3 BEI Sensors Optical Encoders Product and Services
  - 2.2.4 BEI Sensors Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.2.5 BEI Sensors Recent Developments/Updates

## 2.3 Renishaw

### 2.3.1 Renishaw Details

### 2.3.2 Renishaw Major Business

### 2.3.3 Renishaw Optical Encoders Product and Services

### 2.3.4 Renishaw Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.3.5 Renishaw Recent Developments/Updates

## 2.4 Dynapar

### 2.4.1 Dynapar Details

### 2.4.2 Dynapar Major Business

### 2.4.3 Dynapar Optical Encoders Product and Services

### 2.4.4 Dynapar Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.4.5 Dynapar Recent Developments/Updates

## 2.5 Baumer Group

### 2.5.1 Baumer Group Details

### 2.5.2 Baumer Group Major Business

### 2.5.3 Baumer Group Optical Encoders Product and Services

### 2.5.4 Baumer Group Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.5.5 Baumer Group Recent Developments/Updates

## 2.6 TAMAGAWA SEIKI Co.,Ltd

### 2.6.1 TAMAGAWA SEIKI Co.,Ltd Details

### 2.6.2 TAMAGAWA SEIKI Co.,Ltd Major Business

### 2.6.3 TAMAGAWA SEIKI Co.,Ltd Optical Encoders Product and Services

### 2.6.4 TAMAGAWA SEIKI Co.,Ltd Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.6.5 TAMAGAWA SEIKI Co.,Ltd Recent Developments/Updates

## 2.7 CTS

### 2.7.1 CTS Details

### 2.7.2 CTS Major Business

### 2.7.3 CTS Optical Encoders Product and Services

### 2.7.4 CTS Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.7.5 CTS Recent Developments/Updates

## 2.8 Allied Motion

### 2.8.1 Allied Motion Details

### 2.8.2 Allied Motion Major Business



- 2.8.3 Allied Motion Optical Encoders Product and Services
- 2.8.4 Allied Motion Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Allied Motion Recent Developments/Updates
- 2.9 EPC
  - 2.9.1 EPC Details
  - 2.9.2 EPC Major Business
  - 2.9.3 EPC Optical Encoders Product and Services
  - 2.9.4 EPC Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 EPC Recent Developments/Updates
- 2.10 US Digital
  - 2.10.1 US Digital Details
  - 2.10.2 US Digital Major Business
  - 2.10.3 US Digital Optical Encoders Product and Services
  - 2.10.4 US Digital Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 US Digital Recent Developments/Updates
- 2.11 CUI
  - 2.11.1 CUI Details
  - 2.11.2 CUI Major Business
  - 2.11.3 CUI Optical Encoders Product and Services
  - 2.11.4 CUI Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.11.5 CUI Recent Developments/Updates
- 2.12 OMRON Corporation
  - 2.12.1 OMRON Corporation Details
  - 2.12.2 OMRON Corporation Major Business
  - 2.12.3 OMRON Corporation Optical Encoders Product and Services
  - 2.12.4 OMRON Corporation Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.12.5 OMRON Corporation Recent Developments/Updates
- 2.13 HEIDENHAIN
  - 2.13.1 HEIDENHAIN Details
  - 2.13.2 HEIDENHAIN Major Business
  - 2.13.3 HEIDENHAIN Optical Encoders Product and Services
  - 2.13.4 HEIDENHAIN Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.13.5 HEIDENHAIN Recent Developments/Updates

## 2.14 Bourns

### 2.14.1 Bourns Details

### 2.14.2 Bourns Major Business

### 2.14.3 Bourns Optical Encoders Product and Services

### 2.14.4 Bourns Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.14.5 Bourns Recent Developments/Updates

## 2.15 Grayhill

### 2.15.1 Grayhill Details

### 2.15.2 Grayhill Major Business

### 2.15.3 Grayhill Optical Encoders Product and Services

### 2.15.4 Grayhill Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.15.5 Grayhill Recent Developments/Updates

## 2.16 Gurley Precision Instruments

### 2.16.1 Gurley Precision Instruments Details

### 2.16.2 Gurley Precision Instruments Major Business

### 2.16.3 Gurley Precision Instruments Optical Encoders Product and Services

### 2.16.4 Gurley Precision Instruments Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.16.5 Gurley Precision Instruments Recent Developments/Updates

## 2.17 HONEYWELL INTERNATIONAL INC

### 2.17.1 HONEYWELL INTERNATIONAL INC Details

### 2.17.2 HONEYWELL INTERNATIONAL INC Major Business

### 2.17.3 HONEYWELL INTERNATIONAL INC Optical Encoders Product and Services

### 2.17.4 HONEYWELL INTERNATIONAL INC Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.17.5 HONEYWELL INTERNATIONAL INC Recent Developments/Updates

## 2.18 Graduate Honest Sensor Corp

### 2.18.1 Graduate Honest Sensor Corp Details

### 2.18.2 Graduate Honest Sensor Corp Major Business

### 2.18.3 Graduate Honest Sensor Corp Optical Encoders Product and Services

### 2.18.4 Graduate Honest Sensor Corp Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.18.5 Graduate Honest Sensor Corp Recent Developments/Updates

## 2.19 HONTKO

### 2.19.1 HONTKO Details

### 2.19.2 HONTKO Major Business

### 2.19.3 HONTKO Optical Encoders Product and Services

2.19.4 HONTKO Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.19.5 HONTKO Recent Developments/Updates

2.20 Yuheng Optics Co., Ltd

2.20.1 Yuheng Optics Co., Ltd Details

2.20.2 Yuheng Optics Co., Ltd Major Business

2.20.3 Yuheng Optics Co., Ltd Optical Encoders Product and Services

2.20.4 Yuheng Optics Co., Ltd Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.20.5 Yuheng Optics Co., Ltd Recent Developments/Updates

2.21 Inovance Technology

2.21.1 Inovance Technology Details

2.21.2 Inovance Technology Major Business

2.21.3 Inovance Technology Optical Encoders Product and Services

2.21.4 Inovance Technology Optical Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.21.5 Inovance Technology Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: OPTICAL ENCODERS BY MANUFACTURER**

3.1 Global Optical Encoders Sales Quantity by Manufacturer (2019-2024)

3.2 Global Optical Encoders Revenue by Manufacturer (2019-2024)

3.3 Global Optical Encoders Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Optical Encoders by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Optical Encoders Manufacturer Market Share in 2023

3.4.2 Top 6 Optical Encoders Manufacturer Market Share in 2023

3.5 Optical Encoders Market: Overall Company Footprint Analysis

3.5.1 Optical Encoders Market: Region Footprint

3.5.2 Optical Encoders Market: Company Product Type Footprint

3.5.3 Optical Encoders 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 Optical Encoders Market Size by Region

4.1.1 Global Optical Encoders Sales Quantity by Region (2019-2030)

- 4.1.2 Global Optical Encoders Consumption Value by Region (2019-2030)
- 4.1.3 Global Optical Encoders Average Price by Region (2019-2030)
- 4.2 North America Optical Encoders Consumption Value (2019-2030)
- 4.3 Europe Optical Encoders Consumption Value (2019-2030)
- 4.4 Asia-Pacific Optical Encoders Consumption Value (2019-2030)
- 4.5 South America Optical Encoders Consumption Value (2019-2030)
- 4.6 Middle East and Africa Optical Encoders Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Optical Encoders Sales Quantity by Type (2019-2030)
- 5.2 Global Optical Encoders Consumption Value by Type (2019-2030)
- 5.3 Global Optical Encoders Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Optical Encoders Sales Quantity by Application (2019-2030)
- 6.2 Global Optical Encoders Consumption Value by Application (2019-2030)
- 6.3 Global Optical Encoders Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

- 7.1 North America Optical Encoders Sales Quantity by Type (2019-2030)
- 7.2 North America Optical Encoders Sales Quantity by Application (2019-2030)
- 7.3 North America Optical Encoders Market Size by Country
  - 7.3.1 North America Optical Encoders Sales Quantity by Country (2019-2030)
  - 7.3.2 North America Optical Encoders 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 Optical Encoders Sales Quantity by Type (2019-2030)
- 8.2 Europe Optical Encoders Sales Quantity by Application (2019-2030)
- 8.3 Europe Optical Encoders Market Size by Country
  - 8.3.1 Europe Optical Encoders Sales Quantity by Country (2019-2030)
  - 8.3.2 Europe Optical Encoders 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 Optical Encoders Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Optical Encoders Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Optical Encoders Market Size by Region
  - 9.3.1 Asia-Pacific Optical Encoders Sales Quantity by Region (2019-2030)
  - 9.3.2 Asia-Pacific Optical Encoders 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 Optical Encoders Sales Quantity by Type (2019-2030)
- 10.2 South America Optical Encoders Sales Quantity by Application (2019-2030)
- 10.3 South America Optical Encoders Market Size by Country
  - 10.3.1 South America Optical Encoders Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Optical Encoders 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 Optical Encoders Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Optical Encoders Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Optical Encoders Market Size by Country
  - 11.3.1 Middle East & Africa Optical Encoders Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Optical Encoders 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 Optical Encoders Market Drivers

12.2 Optical Encoders Market Restraints

12.3 Optical Encoders 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 Optical Encoders and Key Manufacturers

13.2 Manufacturing Costs Percentage of Optical Encoders

13.3 Optical Encoders Production Process

13.4 Optical Encoders Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Optical Encoders Typical Distributors

14.3 Optical Encoders 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 Optical Encoders Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Optical Encoders Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Broadcom Basic Information, Manufacturing Base and Competitors

Table 4. Broadcom Major Business

Table 5. Broadcom Optical Encoders Product and Services

Table 6. Broadcom Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Broadcom Recent Developments/Updates

Table 8. BEI Sensors Basic Information, Manufacturing Base and Competitors

Table 9. BEI Sensors Major Business

Table 10. BEI Sensors Optical Encoders Product and Services

Table 11. BEI Sensors Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. BEI Sensors Recent Developments/Updates

Table 13. Renishaw Basic Information, Manufacturing Base and Competitors

Table 14. Renishaw Major Business

Table 15. Renishaw Optical Encoders Product and Services

Table 16. Renishaw Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Renishaw Recent Developments/Updates

Table 18. Dynapar Basic Information, Manufacturing Base and Competitors

Table 19. Dynapar Major Business

Table 20. Dynapar Optical Encoders Product and Services

Table 21. Dynapar Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Dynapar Recent Developments/Updates

Table 23. Baumer Group Basic Information, Manufacturing Base and Competitors

Table 24. Baumer Group Major Business

Table 25. Baumer Group Optical Encoders Product and Services

Table 26. Baumer Group Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Baumer Group Recent Developments/Updates

Table 28. TAMAGAWA SEIKI Co.,Ltd Basic Information, Manufacturing Base and

## Competitors

Table 29. TAMAGAWA SEIKI Co.,Ltd Major Business

Table 30. TAMAGAWA SEIKI Co.,Ltd Optical Encoders Product and Services

Table 31. TAMAGAWA SEIKI Co.,Ltd Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. TAMAGAWA SEIKI Co.,Ltd Recent Developments/Updates

Table 33. CTS Basic Information, Manufacturing Base and Competitors

Table 34. CTS Major Business

Table 35. CTS Optical Encoders Product and Services

Table 36. CTS Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. CTS Recent Developments/Updates

Table 38. Allied Motion Basic Information, Manufacturing Base and Competitors

Table 39. Allied Motion Major Business

Table 40. Allied Motion Optical Encoders Product and Services

Table 41. Allied Motion Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Allied Motion Recent Developments/Updates

Table 43. EPC Basic Information, Manufacturing Base and Competitors

Table 44. EPC Major Business

Table 45. EPC Optical Encoders Product and Services

Table 46. EPC Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. EPC Recent Developments/Updates

Table 48. US Digital Basic Information, Manufacturing Base and Competitors

Table 49. US Digital Major Business

Table 50. US Digital Optical Encoders Product and Services

Table 51. US Digital Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. US Digital Recent Developments/Updates

Table 53. CUI Basic Information, Manufacturing Base and Competitors

Table 54. CUI Major Business

Table 55. CUI Optical Encoders Product and Services

Table 56. CUI Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. CUI Recent Developments/Updates

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

Table 59. OMRON Corporation Major Business



- Table 60. OMRON Corporation Optical Encoders Product and Services
- Table 61. OMRON Corporation Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. OMRON Corporation Recent Developments/Updates
- Table 63. HEIDENHAIN Basic Information, Manufacturing Base and Competitors
- Table 64. HEIDENHAIN Major Business
- Table 65. HEIDENHAIN Optical Encoders Product and Services
- Table 66. HEIDENHAIN Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 67. HEIDENHAIN Recent Developments/Updates
- Table 68. Bourns Basic Information, Manufacturing Base and Competitors
- Table 69. Bourns Major Business
- Table 70. Bourns Optical Encoders Product and Services
- Table 71. Bourns Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 72. Bourns Recent Developments/Updates
- Table 73. Grayhill Basic Information, Manufacturing Base and Competitors
- Table 74. Grayhill Major Business
- Table 75. Grayhill Optical Encoders Product and Services
- Table 76. Grayhill Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 77. Grayhill Recent Developments/Updates
- Table 78. Gurley Precision Instruments Basic Information, Manufacturing Base and Competitors
- Table 79. Gurley Precision Instruments Major Business
- Table 80. Gurley Precision Instruments Optical Encoders Product and Services
- Table 81. Gurley Precision Instruments Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 82. Gurley Precision Instruments Recent Developments/Updates
- Table 83. HONEYWELL INTERNATIONAL INC Basic Information, Manufacturing Base and Competitors
- Table 84. HONEYWELL INTERNATIONAL INC Major Business
- Table 85. HONEYWELL INTERNATIONAL INC Optical Encoders Product and Services
- Table 86. HONEYWELL INTERNATIONAL INC Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 87. HONEYWELL INTERNATIONAL INC Recent Developments/Updates
- Table 88. Graduate Honest Sensor Corp Basic Information, Manufacturing Base and

## Competitors

Table 89. Graduate Honest Sensor Corp Major Business

Table 90. Graduate Honest Sensor Corp Optical Encoders Product and Services

Table 91. Graduate Honest Sensor Corp Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 92. Graduate Honest Sensor Corp Recent Developments/Updates

Table 93. HONTKO Basic Information, Manufacturing Base and Competitors

Table 94. HONTKO Major Business

Table 95. HONTKO Optical Encoders Product and Services

Table 96. HONTKO Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 97. HONTKO Recent Developments/Updates

Table 98. Yuheng Optics Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 99. Yuheng Optics Co., Ltd Major Business

Table 100. Yuheng Optics Co., Ltd Optical Encoders Product and Services

Table 101. Yuheng Optics Co., Ltd Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 102. Yuheng Optics Co., Ltd Recent Developments/Updates

Table 103. Inovance Technology Basic Information, Manufacturing Base and Competitors

Table 104. Inovance Technology Major Business

Table 105. Inovance Technology Optical Encoders Product and Services

Table 106. Inovance Technology Optical Encoders Sales Quantity (M Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 107. Inovance Technology Recent Developments/Updates

Table 108. Global Optical Encoders Sales Quantity by Manufacturer (2019-2024) & (M Units)

Table 109. Global Optical Encoders Revenue by Manufacturer (2019-2024) & (USD Million)

Table 110. Global Optical Encoders Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 111. Market Position of Manufacturers in Optical Encoders, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 112. Head Office and Optical Encoders Production Site of Key Manufacturer

Table 113. Optical Encoders Market: Company Product Type Footprint

Table 114. Optical Encoders Market: Company Product Application Footprint

Table 115. Optical Encoders New Market Entrants and Barriers to Market Entry

- Table 116. Optical Encoders Mergers, Acquisition, Agreements, and Collaborations
- Table 117. Global Optical Encoders Sales Quantity by Region (2019-2024) & (M Units)
- Table 118. Global Optical Encoders Sales Quantity by Region (2025-2030) & (M Units)
- Table 119. Global Optical Encoders Consumption Value by Region (2019-2024) & (USD Million)
- Table 120. Global Optical Encoders Consumption Value by Region (2025-2030) & (USD Million)
- Table 121. Global Optical Encoders Average Price by Region (2019-2024) & (USD/Unit)
- Table 122. Global Optical Encoders Average Price by Region (2025-2030) & (USD/Unit)
- Table 123. Global Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)
- Table 124. Global Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)
- Table 125. Global Optical Encoders Consumption Value by Type (2019-2024) & (USD Million)
- Table 126. Global Optical Encoders Consumption Value by Type (2025-2030) & (USD Million)
- Table 127. Global Optical Encoders Average Price by Type (2019-2024) & (USD/Unit)
- Table 128. Global Optical Encoders Average Price by Type (2025-2030) & (USD/Unit)
- Table 129. Global Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)
- Table 130. Global Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)
- Table 131. Global Optical Encoders Consumption Value by Application (2019-2024) & (USD Million)
- Table 132. Global Optical Encoders Consumption Value by Application (2025-2030) & (USD Million)
- Table 133. Global Optical Encoders Average Price by Application (2019-2024) & (USD/Unit)
- Table 134. Global Optical Encoders Average Price by Application (2025-2030) & (USD/Unit)
- Table 135. North America Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)
- Table 136. North America Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)
- Table 137. North America Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)
- Table 138. North America Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)
- Table 139. North America Optical Encoders Sales Quantity by Country (2019-2024) & (M Units)

Table 140. North America Optical Encoders Sales Quantity by Country (2025-2030) & (M Units)

Table 141. North America Optical Encoders Consumption Value by Country (2019-2024) & (USD Million)

Table 142. North America Optical Encoders Consumption Value by Country (2025-2030) & (USD Million)

Table 143. Europe Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)

Table 144. Europe Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)

Table 145. Europe Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)

Table 146. Europe Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)

Table 147. Europe Optical Encoders Sales Quantity by Country (2019-2024) & (M Units)

Table 148. Europe Optical Encoders Sales Quantity by Country (2025-2030) & (M Units)

Table 149. Europe Optical Encoders Consumption Value by Country (2019-2024) & (USD Million)

Table 150. Europe Optical Encoders Consumption Value by Country (2025-2030) & (USD Million)

Table 151. Asia-Pacific Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)

Table 152. Asia-Pacific Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)

Table 153. Asia-Pacific Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)

Table 154. Asia-Pacific Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)

Table 155. Asia-Pacific Optical Encoders Sales Quantity by Region (2019-2024) & (M Units)

Table 156. Asia-Pacific Optical Encoders Sales Quantity by Region (2025-2030) & (M Units)

Table 157. Asia-Pacific Optical Encoders Consumption Value by Region (2019-2024) & (USD Million)

Table 158. Asia-Pacific Optical Encoders Consumption Value by Region (2025-2030) & (USD Million)

Table 159. South America Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)

Table 160. South America Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)

Units)

Table 161. South America Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)

Table 162. South America Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)

Table 163. South America Optical Encoders Sales Quantity by Country (2019-2024) & (M Units)

Table 164. South America Optical Encoders Sales Quantity by Country (2025-2030) & (M Units)

Table 165. South America Optical Encoders Consumption Value by Country (2019-2024) & (USD Million)

Table 166. South America Optical Encoders Consumption Value by Country (2025-2030) & (USD Million)

Table 167. Middle East & Africa Optical Encoders Sales Quantity by Type (2019-2024) & (M Units)

Table 168. Middle East & Africa Optical Encoders Sales Quantity by Type (2025-2030) & (M Units)

Table 169. Middle East & Africa Optical Encoders Sales Quantity by Application (2019-2024) & (M Units)

Table 170. Middle East & Africa Optical Encoders Sales Quantity by Application (2025-2030) & (M Units)

Table 171. Middle East & Africa Optical Encoders Sales Quantity by Region (2019-2024) & (M Units)

Table 172. Middle East & Africa Optical Encoders Sales Quantity by Region (2025-2030) & (M Units)

Table 173. Middle East & Africa Optical Encoders Consumption Value by Region (2019-2024) & (USD Million)

Table 174. Middle East & Africa Optical Encoders Consumption Value by Region (2025-2030) & (USD Million)

Table 175. Optical Encoders Raw Material

Table 176. Key Manufacturers of Optical Encoders Raw Materials

Table 177. Optical Encoders Typical Distributors

Table 178. Optical Encoders Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Optical Encoders Picture

Figure 2. Global Optical Encoders Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Optical Encoders Consumption Value Market Share by Type in 2023

Figure 4. Incremental Encoders Examples

Figure 5. Absolute Encoders Examples

Figure 6. Global Optical Encoders Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Optical Encoders Consumption Value Market Share by Application in 2023

Figure 8. Healthcare Examples

Figure 9. Machine Tool Examples

Figure 10. Consumer Electronics Examples

Figure 11. Assembly Equipment Examples

Figure 12. Other Examples

Figure 13. Global Optical Encoders Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Optical Encoders Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Optical Encoders Sales Quantity (2019-2030) & (M Units)

Figure 16. Global Optical Encoders Average Price (2019-2030) & (USD/Unit)

Figure 17. Global Optical Encoders Sales Quantity Market Share by Manufacturer in 2023

Figure 18. Global Optical Encoders Consumption Value Market Share by Manufacturer in 2023

Figure 19. Producer Shipments of Optical Encoders by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 20. Top 3 Optical Encoders Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Top 6 Optical Encoders Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Global Optical Encoders Sales Quantity Market Share by Region (2019-2030)

Figure 23. Global Optical Encoders Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Optical Encoders Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Optical Encoders Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Optical Encoders Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Optical Encoders Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Optical Encoders Consumption Value (2019-2030) & (USD Million)

Figure 29. Global Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 30. Global Optical Encoders Consumption Value Market Share by Type (2019-2030)

Figure 31. Global Optical Encoders Average Price by Type (2019-2030) & (USD/Unit)

Figure 32. Global Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 33. Global Optical Encoders Consumption Value Market Share by Application (2019-2030)

Figure 34. Global Optical Encoders Average Price by Application (2019-2030) & (USD/Unit)

Figure 35. North America Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 36. North America Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 37. North America Optical Encoders Sales Quantity Market Share by Country (2019-2030)

Figure 38. North America Optical Encoders Consumption Value Market Share by Country (2019-2030)

Figure 39. United States Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Canada Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Mexico Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Europe Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 43. Europe Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 44. Europe Optical Encoders Sales Quantity Market Share by Country (2019-2030)

Figure 45. Europe Optical Encoders Consumption Value Market Share by Country

(2019-2030)

Figure 46. Germany Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. France Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. United Kingdom Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Russia Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Italy Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Optical Encoders Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Optical Encoders Consumption Value Market Share by Region (2019-2030)

Figure 55. China Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 62. South America Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Optical Encoders Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Optical Encoders Consumption Value Market Share by Country (2019-2030)



Figure 65. Brazil Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Optical Encoders Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Optical Encoders Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Optical Encoders Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Optical Encoders Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Saudi Arabia Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. South Africa Optical Encoders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Optical Encoders Market Drivers

Figure 76. Optical Encoders Market Restraints

Figure 77. Optical Encoders Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Optical Encoders in 2023

Figure 80. Manufacturing Process Analysis of Optical Encoders

Figure 81. Optical Encoders Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

## I would like to order

Product name: Global Optical Encoders Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/GF93498A893EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF93498A893EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

