

# Global High-precision Encoder Market Growth 2026-2032

<https://marketpublishers.com/r/GED4DCF93AFAEN.html>

Date: May 2026

Pages: 124

Price: US\$ 3,660.00 (Single User License)

ID: GED4DCF93AFAEN

## Abstracts

The global High-precision Encoder market size is predicted to grow from US\$ 3346 million in 2025 to US\$ 5568 million in 2032; it is expected to grow at a CAGR of 7.6% from 2026 to 2032.

A high-precision encoder is a precision sensing device used to measure position, angle, displacement, or rotational speed. It converts mechanical motion into electrical signals and feeds them back to the control system for precise motion control. High-precision encoders typically employ optical, magnetic, or capacitive sensing technologies combined with high-precision signal processing circuits, featuring high resolution, low error, and stable signal. These products are widely used in fields requiring high-precision motion control, such as robotics, CNC machine tools, semiconductor manufacturing equipment, medical equipment, aerospace, and industrial automation systems. The upstream of the high-precision encoder industry chain mainly includes core components such as photoelectric sensors, magnetic materials, semiconductor chips, precision bearings, and metal housings. The midstream involves encoder design, precision machining, system assembly, calibration, and quality inspection. Downstream applications include industrial automation equipment, robots, machine tools, semiconductor equipment, elevators, medical equipment, and aerospace equipment, relying on automation equipment manufacturers and system integrators for product application and market promotion. In 2025, the global production of high-precision encoders was approximately 13.15 million units, with a global average market price of approximately US\$260 per unit. The gross profit margin of major companies in the industry was approximately 30%-48%. The global production capacity of high-precision encoders is estimated at 17.53 million units in 2025.

United States market for High-precision Encoder 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 High-precision Encoder 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 High-precision Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key High-precision Encoder players cover FLUX GmbH, Netzer, Changchun Yuheng Optics, Fagor Automation, Heidenhain, 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 'High-precision Encoder Industry Forecast' looks at past sales and reviews total world High-precision Encoder sales in 2025, providing a comprehensive analysis by region and market sector of projected High-precision Encoder sales for 2026 through 2032. With High-precision Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High-precision Encoder industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High-precision Encoder 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 High-precision Encoder.

This report presents a comprehensive overview, market shares, and growth opportunities of High-precision Encoder market by product type, application, key manufacturers and key regions and countries.

### Segmentation by Type:

Optical High-precision Encoder

Magnetic Precision Encoder

Capacitive High-resolution Encoder

Laser Interferometer-based Encoder

### Segmentation by Output Type:

Incremental High-precision Encoder

Absolute Single-turn Encoder

Absolute Multi-turn Encoder

### Segmentation by Application:

Precision CNC Machine Tools

Industrial Robots

Electric Vehicles

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.

FLUX GmbH

Netzer

Changchun Yuheng Optics

Fagor Automation

Heidenhain

Renishaw

Baumer

SICK

Tamagawa Seiki

K?bler Group

Nikon Metrology

Hengstler

MultiDimension Technology Co., LTD.

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

What is the 10-year outlook for the global High-precision Encoder market?

What factors are driving High-precision Encoder market growth, globally and by region?

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

How do High-precision Encoder market opportunities vary by end market size?

How does High-precision Encoder 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 High-precision Encoder Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for High-precision Encoder by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for High-precision Encoder by Country/Region, 2021, 2025 & 2032

#### 2.2 High-precision Encoder Segment by Type

- 2.2.1 Optical High-precision Encoder
- 2.2.2 Magnetic Precision Encoder
- 2.2.3 Capacitive High-resolution Encoder
- 2.2.4 Laser Interferometer-based Encoder
- 2.2.5 High-precision Encoder Sales by Type
  - 2.2.5.1 Global High-precision Encoder Sales Market Share by Type (2021-2026)
  - 2.2.5.2 Global High-precision Encoder Revenue and Market Share by Type (2021-2026)
  - 2.2.5.3 Global High-precision Encoder Sale Price by Type (2021-2026)

#### 2.3 High-precision Encoder Segment by Output Type

- 2.3.1 Incremental High-precision Encoder
- 2.3.2 Absolute Single-turn Encoder
- 2.3.3 Absolute Multi-turn Encoder
- 2.3.4 High-precision Encoder Sales by Output Type
  - 2.3.4.1 Global High-precision Encoder Sales Market Share by Output Type (2021-2026)
  - 2.3.4.2 Global High-precision Encoder Revenue and Market Share by Output Type

(2021-2026)

2.3.4.3 Global High-precision Encoder Sale Price by Output Type (2021-2026)

2.4 High-precision Encoder Segment by Application

2.4.1 Precision CNC Machine Tools

2.4.2 Industrial Robots

2.4.3 Electric Vehicles

2.4.4 Others

2.4.5 High-precision Encoder Sales by Application

2.4.5.1 Global High-precision Encoder Sale Market Share by Application (2021-2026)

2.4.5.2 Global High-precision Encoder Revenue and Market Share by Application

(2021-2026)

2.4.5.3 Global High-precision Encoder Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

3.1 Global High-precision Encoder Breakdown Data by Company

3.1.1 Global High-precision Encoder Annual Sales by Company (2021-2026)

3.1.2 Global High-precision Encoder Sales Market Share by Company (2021-2026)

3.2 Global High-precision Encoder Annual Revenue by Company (2021-2026)

3.2.1 Global High-precision Encoder Revenue by Company (2021-2026)

3.2.2 Global High-precision Encoder Revenue Market Share by Company (2021-2026)

3.3 Global High-precision Encoder Sale Price by Company

3.4 Key Manufacturers High-precision Encoder Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers High-precision Encoder Product Location Distribution

3.4.2 Players High-precision Encoder 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 HIGH-PRECISION ENCODER BY GEOGRAPHIC REGION**

4.1 World Historic High-precision Encoder Market Size by Geographic Region

(2021-2026)

4.1.1 Global High-precision Encoder Annual Sales by Geographic Region (2021-2026)

4.1.2 Global High-precision Encoder Annual Revenue by Geographic Region

(2021-2026)

4.2 World Historic High-precision Encoder Market Size by Country/Region (2021-2026)

4.2.1 Global High-precision Encoder Annual Sales by Country/Region (2021-2026)

4.2.2 Global High-precision Encoder Annual Revenue by Country/Region (2021-2026)

4.3 Americas High-precision Encoder Sales Growth

4.4 APAC High-precision Encoder Sales Growth

4.5 Europe High-precision Encoder Sales Growth

4.6 Middle East & Africa High-precision Encoder Sales Growth

## **5 AMERICAS**

5.1 Americas High-precision Encoder Sales by Country

5.1.1 Americas High-precision Encoder Sales by Country (2021-2026)

5.1.2 Americas High-precision Encoder Revenue by Country (2021-2026)

5.2 Americas High-precision Encoder Sales by Type (2021-2026)

5.3 Americas High-precision Encoder Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC High-precision Encoder Sales by Region

6.1.1 APAC High-precision Encoder Sales by Region (2021-2026)

6.1.2 APAC High-precision Encoder Revenue by Region (2021-2026)

6.2 APAC High-precision Encoder Sales by Type (2021-2026)

6.3 APAC High-precision Encoder 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 High-precision Encoder by Country

- 7.1.1 Europe High-precision Encoder Sales by Country (2021-2026)
- 7.1.2 Europe High-precision Encoder Revenue by Country (2021-2026)
- 7.2 Europe High-precision Encoder Sales by Type (2021-2026)
- 7.3 Europe High-precision Encoder 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 High-precision Encoder by Country
  - 8.1.1 Middle East & Africa High-precision Encoder Sales by Country (2021-2026)
  - 8.1.2 Middle East & Africa High-precision Encoder Revenue by Country (2021-2026)
- 8.2 Middle East & Africa High-precision Encoder Sales by Type (2021-2026)
- 8.3 Middle East & Africa High-precision Encoder 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 High-precision Encoder
- 10.3 Manufacturing Process Analysis of High-precision Encoder
- 10.4 Industry Chain Structure of High-precision Encoder

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

- 11.1 Sales Channel

- 11.1.1 Direct Channels
- 11.1.2 Indirect Channels
- 11.2 High-precision Encoder Distributors
- 11.3 High-precision Encoder Customer

## **12 WORLD FORECAST REVIEW FOR HIGH-PRECISION ENCODER BY GEOGRAPHIC REGION**

- 12.1 Global High-precision Encoder Market Size Forecast by Region
  - 12.1.1 Global High-precision Encoder Forecast by Region (2027-2032)
  - 12.1.2 Global High-precision Encoder 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 High-precision Encoder Forecast by Type (2027-2032)
- 12.7 Global High-precision Encoder Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 FLUX GmbH
  - 13.1.1 FLUX GmbH Company Information
  - 13.1.2 FLUX GmbH High-precision Encoder Product Portfolios and Specifications
  - 13.1.3 FLUX GmbH High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.1.4 FLUX GmbH Main Business Overview
  - 13.1.5 FLUX GmbH Latest Developments
- 13.2 Netzer
  - 13.2.1 Netzer Company Information
  - 13.2.2 Netzer High-precision Encoder Product Portfolios and Specifications
  - 13.2.3 Netzer High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.2.4 Netzer Main Business Overview
  - 13.2.5 Netzer Latest Developments
- 13.3 Changchun Yuheng Optics
  - 13.3.1 Changchun Yuheng Optics Company Information
  - 13.3.2 Changchun Yuheng Optics High-precision Encoder Product Portfolios and Specifications

- 13.3.3 Changchun Yuheng Optics High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 Changchun Yuheng Optics Main Business Overview
- 13.3.5 Changchun Yuheng Optics Latest Developments
- 13.4 Fagor Automation
  - 13.4.1 Fagor Automation Company Information
  - 13.4.2 Fagor Automation High-precision Encoder Product Portfolios and Specifications
  - 13.4.3 Fagor Automation High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.4.4 Fagor Automation Main Business Overview
  - 13.4.5 Fagor Automation Latest Developments
- 13.5 Heidenhain
  - 13.5.1 Heidenhain Company Information
  - 13.5.2 Heidenhain High-precision Encoder Product Portfolios and Specifications
  - 13.5.3 Heidenhain High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.5.4 Heidenhain Main Business Overview
  - 13.5.5 Heidenhain Latest Developments
- 13.6 Renishaw
  - 13.6.1 Renishaw Company Information
  - 13.6.2 Renishaw High-precision Encoder Product Portfolios and Specifications
  - 13.6.3 Renishaw High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.6.4 Renishaw Main Business Overview
  - 13.6.5 Renishaw Latest Developments
- 13.7 Baumer
  - 13.7.1 Baumer Company Information
  - 13.7.2 Baumer High-precision Encoder Product Portfolios and Specifications
  - 13.7.3 Baumer High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.7.4 Baumer Main Business Overview
  - 13.7.5 Baumer Latest Developments
- 13.8 SICK
  - 13.8.1 SICK Company Information
  - 13.8.2 SICK High-precision Encoder Product Portfolios and Specifications
  - 13.8.3 SICK High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.8.4 SICK Main Business Overview
  - 13.8.5 SICK Latest Developments

## 13.9 Tamagawa Seiki

13.9.1 Tamagawa Seiki Company Information

13.9.2 Tamagawa Seiki High-precision Encoder Product Portfolios and Specifications

13.9.3 Tamagawa Seiki High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Tamagawa Seiki Main Business Overview

13.9.5 Tamagawa Seiki Latest Developments

## 13.10 K?bler Group

13.10.1 K?bler Group Company Information

13.10.2 K?bler Group High-precision Encoder Product Portfolios and Specifications

13.10.3 K?bler Group High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 K?bler Group Main Business Overview

13.10.5 K?bler Group Latest Developments

## 13.11 Nikon Metrology

13.11.1 Nikon Metrology Company Information

13.11.2 Nikon Metrology High-precision Encoder Product Portfolios and Specifications

13.11.3 Nikon Metrology High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Nikon Metrology Main Business Overview

13.11.5 Nikon Metrology Latest Developments

## 13.12 Hengstler

13.12.1 Hengstler Company Information

13.12.2 Hengstler High-precision Encoder Product Portfolios and Specifications

13.12.3 Hengstler High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Hengstler Main Business Overview

13.12.5 Hengstler Latest Developments

## 13.13 MultiDimension Technology Co., LTD.

13.13.1 MultiDimension Technology Co., LTD. Company Information

13.13.2 MultiDimension Technology Co., LTD. High-precision Encoder Product Portfolios and Specifications

13.13.3 MultiDimension Technology Co., LTD. High-precision Encoder Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 MultiDimension Technology Co., LTD. Main Business Overview

13.13.5 MultiDimension Technology Co., LTD. Latest Developments

# 14 RESEARCH FINDINGS AND CONCLUSION



## List Of Tables

### LIST OF TABLES

Table 1. High-precision Encoder Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. High-precision Encoder Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Optical High-precision Encoder

Table 4. Major Players of Magnetic Precision Encoder

Table 5. Major Players of Capacitive High-resolution Encoder

Table 6. Major Players of Laser Interferometer-based Encoder

Table 7. Global High-precision Encoder Sales by Type (2021-2026) & (K Units)

Table 8. Global High-precision Encoder Sales Market Share by Type (2021-2026)

Table 9. Global High-precision Encoder Revenue by Type (2021-2026) & (\$ million)

Table 10. Global High-precision Encoder Revenue Market Share by Type (2021-2026)

Table 11. Global High-precision Encoder Sale Price by Type (2021-2026) & (US\$/Unit)

Table 12. Major Players of Incremental High-precision Encoder

Table 13. Major Players of Absolute Single-turn Encoder

Table 14. Major Players of Absolute Multi-turn Encoder

Table 15. Global High-precision Encoder Sales by Output Type (2021-2026) & (K Units)

Table 16. Global High-precision Encoder Sales Market Share by Output Type (2021-2026)

Table 17. Global High-precision Encoder Revenue by Output Type (2021-2026) & (\$ million)

Table 18. Global High-precision Encoder Revenue Market Share by Output Type (2021-2026)

Table 19. Global High-precision Encoder Sale Price by Output Type (2021-2026) & (US\$/Unit)

Table 20. Global High-precision Encoder Sale by Application (2021-2026) & (K Units)

Table 21. Global High-precision Encoder Sale Market Share by Application (2021-2026)

Table 22. Global High-precision Encoder Revenue by Application (2021-2026) & (\$ million)

Table 23. Global High-precision Encoder Revenue Market Share by Application (2021-2026)

Table 24. Global High-precision Encoder Sale Price by Application (2021-2026) & (US\$/Unit)

Table 25. Global High-precision Encoder Sales by Company (2021-2026) & (K Units)

Table 26. Global High-precision Encoder Sales Market Share by Company (2021-2026)

Table 27. Global High-precision Encoder Revenue by Company (2021-2026) & (\$ millions)

Table 28. Global High-precision Encoder Revenue Market Share by Company (2021-2026)

Table 29. Global High-precision Encoder Sale Price by Company (2021-2026) & (US\$/Unit)

Table 30. Key Manufacturers High-precision Encoder Producing Area Distribution and Sales Area

Table 31. Players High-precision Encoder Products Offered

Table 32. High-precision Encoder Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 33. New Products and Potential Entrants

Table 34. Market M&A Activity & Strategy

Table 35. Global High-precision Encoder Sales by Geographic Region (2021-2026) & (K Units)

Table 36. Global High-precision Encoder Sales Market Share Geographic Region (2021-2026)

Table 37. Global High-precision Encoder Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 38. Global High-precision Encoder Revenue Market Share by Geographic Region (2021-2026)

Table 39. Global High-precision Encoder Sales by Country/Region (2021-2026) & (K Units)

Table 40. Global High-precision Encoder Sales Market Share by Country/Region (2021-2026)

Table 41. Global High-precision Encoder Revenue by Country/Region (2021-2026) & (\$ millions)

Table 42. Global High-precision Encoder Revenue Market Share by Country/Region (2021-2026)

Table 43. Americas High-precision Encoder Sales by Country (2021-2026) & (K Units)

Table 44. Americas High-precision Encoder Sales Market Share by Country (2021-2026)

Table 45. Americas High-precision Encoder Revenue by Country (2021-2026) & (\$ millions)

Table 46. Americas High-precision Encoder Sales by Type (2021-2026) & (K Units)

Table 47. Americas High-precision Encoder Sales by Application (2021-2026) & (K Units)

Table 48. APAC High-precision Encoder Sales by Region (2021-2026) & (K Units)

Table 49. APAC High-precision Encoder Sales Market Share by Region (2021-2026)

- Table 50. APAC High-precision Encoder Revenue by Region (2021-2026) & (\$ millions)
- Table 51. APAC High-precision Encoder Sales by Type (2021-2026) & (K Units)
- Table 52. APAC High-precision Encoder Sales by Application (2021-2026) & (K Units)
- Table 53. Europe High-precision Encoder Sales by Country (2021-2026) & (K Units)
- Table 54. Europe High-precision Encoder Revenue by Country (2021-2026) & (\$ millions)
- Table 55. Europe High-precision Encoder Sales by Type (2021-2026) & (K Units)
- Table 56. Europe High-precision Encoder Sales by Application (2021-2026) & (K Units)
- Table 57. Middle East & Africa High-precision Encoder Sales by Country (2021-2026) & (K Units)
- Table 58. Middle East & Africa High-precision Encoder Revenue Market Share by Country (2021-2026)
- Table 59. Middle East & Africa High-precision Encoder Sales by Type (2021-2026) & (K Units)
- Table 60. Middle East & Africa High-precision Encoder Sales by Application (2021-2026) & (K Units)
- Table 61. Key Market Drivers & Growth Opportunities of High-precision Encoder
- Table 62. Key Market Challenges & Risks of High-precision Encoder
- Table 63. Key Industry Trends of High-precision Encoder
- Table 64. High-precision Encoder Raw Material
- Table 65. Key Suppliers of Raw Materials
- Table 66. High-precision Encoder Distributors List
- Table 67. High-precision Encoder Customer List
- Table 68. Global High-precision Encoder Sales Forecast by Region (2027-2032) & (K Units)
- Table 69. Global High-precision Encoder Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 70. Americas High-precision Encoder Sales Forecast by Country (2027-2032) & (K Units)
- Table 71. Americas High-precision Encoder Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 72. APAC High-precision Encoder Sales Forecast by Region (2027-2032) & (K Units)
- Table 73. APAC High-precision Encoder Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 74. Europe High-precision Encoder Sales Forecast by Country (2027-2032) & (K Units)
- Table 75. Europe High-precision Encoder Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 76. Middle East & Africa High-precision Encoder Sales Forecast by Country (2027-2032) & (K Units)

Table 77. Middle East & Africa High-precision Encoder Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 78. Global High-precision Encoder Sales Forecast by Type (2027-2032) & (K Units)

Table 79. Global High-precision Encoder Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 80. Global High-precision Encoder Sales Forecast by Application (2027-2032) & (K Units)

Table 81. Global High-precision Encoder Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 82. FLUX GmbH Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 83. FLUX GmbH High-precision Encoder Product Portfolios and Specifications

Table 84. FLUX GmbH High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. FLUX GmbH Main Business

Table 86. FLUX GmbH Latest Developments

Table 87. Netzer Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 88. Netzer High-precision Encoder Product Portfolios and Specifications

Table 89. Netzer High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Netzer Main Business

Table 91. Netzer Latest Developments

Table 92. Changchun Yuheng Optics Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 93. Changchun Yuheng Optics High-precision Encoder Product Portfolios and Specifications

Table 94. Changchun Yuheng Optics High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Changchun Yuheng Optics Main Business

Table 96. Changchun Yuheng Optics Latest Developments

Table 97. Fagor Automation Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 98. Fagor Automation High-precision Encoder Product Portfolios and Specifications

Table 99. Fagor Automation High-precision Encoder Sales (K Units), Revenue (\$

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

Table 100. Fagor Automation Main Business

Table 101. Fagor Automation Latest Developments

Table 102. Heidenhain Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 103. Heidenhain High-precision Encoder Product Portfolios and Specifications

Table 104. Heidenhain High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Heidenhain Main Business

Table 106. Heidenhain Latest Developments

Table 107. Renishaw Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 108. Renishaw High-precision Encoder Product Portfolios and Specifications

Table 109. Renishaw High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. Renishaw Main Business

Table 111. Renishaw Latest Developments

Table 112. Baumer Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 113. Baumer High-precision Encoder Product Portfolios and Specifications

Table 114. Baumer High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. Baumer Main Business

Table 116. Baumer Latest Developments

Table 117. SICK Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 118. SICK High-precision Encoder Product Portfolios and Specifications

Table 119. SICK High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. SICK Main Business

Table 121. SICK Latest Developments

Table 122. Tamagawa Seiki Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors

Table 123. Tamagawa Seiki High-precision Encoder Product Portfolios and Specifications

Table 124. Tamagawa Seiki High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. Tamagawa Seiki Main Business

Table 126. Tamagawa Seiki Latest Developments

- Table 127. K?bler Group Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors
- Table 128. K?bler Group High-precision Encoder Product Portfolios and Specifications
- Table 129. K?bler Group High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 130. K?bler Group Main Business
- Table 131. K?bler Group Latest Developments
- Table 132. Nikon Metrology Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors
- Table 133. Nikon Metrology High-precision Encoder Product Portfolios and Specifications
- Table 134. Nikon Metrology High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 135. Nikon Metrology Main Business
- Table 136. Nikon Metrology Latest Developments
- Table 137. Hengstler Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors
- Table 138. Hengstler High-precision Encoder Product Portfolios and Specifications
- Table 139. Hengstler High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 140. Hengstler Main Business
- Table 141. Hengstler Latest Developments
- Table 142. MultiDimension Technology Co., LTD. Basic Information, High-precision Encoder Manufacturing Base, Sales Area and Its Competitors
- Table 143. MultiDimension Technology Co., LTD. High-precision Encoder Product Portfolios and Specifications
- Table 144. MultiDimension Technology Co., LTD. High-precision Encoder Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 145. MultiDimension Technology Co., LTD. Main Business
- Table 146. MultiDimension Technology Co., LTD. Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of High-precision Encoder
- Figure 2. High-precision Encoder Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global High-precision Encoder Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global High-precision Encoder Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. High-precision Encoder Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. High-precision Encoder Sales Market Share by Country/Region (2025)
- Figure 10. High-precision Encoder Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Optical High-precision Encoder
- Figure 12. Product Picture of Magnetic Precision Encoder
- Figure 13. Product Picture of Capacitive High-resolution Encoder
- Figure 14. Product Picture of Laser Interferometer-based Encoder
- Figure 15. Global High-precision Encoder Sales Market Share by Type in 2026
- Figure 16. Global High-precision Encoder Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of Incremental High-precision Encoder
- Figure 18. Product Picture of Absolute Single-turn Encoder
- Figure 19. Product Picture of Absolute Multi-turn Encoder
- Figure 20. Global High-precision Encoder Sales Market Share by Output Type in 2026
- Figure 21. Global High-precision Encoder Revenue Market Share by Output Type (2021-2026)
- Figure 22. High-precision Encoder Consumed in Precision CNC Machine Tools
- Figure 23. Global High-precision Encoder Market: Precision CNC Machine Tools (2021-2026) & (K Units)
- Figure 24. High-precision Encoder Consumed in Industrial Robots
- Figure 25. Global High-precision Encoder Market: Industrial Robots (2021-2026) & (K Units)
- Figure 26. High-precision Encoder Consumed in Electric Vehicles
- Figure 27. Global High-precision Encoder Market: Electric Vehicles (2021-2026) & (K Units)
- Figure 28. High-precision Encoder Consumed in Others
- Figure 29. Global High-precision Encoder Market: Others (2021-2026) & (K Units)

- Figure 30. Global High-precision Encoder Sale Market Share by Application (2025)
- Figure 31. Global High-precision Encoder Revenue Market Share by Application in 2025
- Figure 32. High-precision Encoder Sales by Company in 2025 (K Units)
- Figure 33. Global High-precision Encoder Sales Market Share by Company in 2025
- Figure 34. High-precision Encoder Revenue by Company in 2025 (\$ millions)
- Figure 35. Global High-precision Encoder Revenue Market Share by Company in 2025
- Figure 36. Global High-precision Encoder Sales Market Share by Geographic Region (2021-2026)
- Figure 37. Global High-precision Encoder Revenue Market Share by Geographic Region in 2025
- Figure 38. Americas High-precision Encoder Sales 2021-2026 (K Units)
- Figure 39. Americas High-precision Encoder Revenue 2021-2026 (\$ millions)
- Figure 40. APAC High-precision Encoder Sales 2021-2026 (K Units)
- Figure 41. APAC High-precision Encoder Revenue 2021-2026 (\$ millions)
- Figure 42. Europe High-precision Encoder Sales 2021-2026 (K Units)
- Figure 43. Europe High-precision Encoder Revenue 2021-2026 (\$ millions)
- Figure 44. Middle East & Africa High-precision Encoder Sales 2021-2026 (K Units)
- Figure 45. Middle East & Africa High-precision Encoder Revenue 2021-2026 (\$ millions)
- Figure 46. Americas High-precision Encoder Sales Market Share by Country in 2025
- Figure 47. Americas High-precision Encoder Revenue Market Share by Country (2021-2026)
- Figure 48. Americas High-precision Encoder Sales Market Share by Type (2021-2026)
- Figure 49. Americas High-precision Encoder Sales Market Share by Application (2021-2026)
- Figure 50. United States High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 51. Canada High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 52. Mexico High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 53. Brazil High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 54. APAC High-precision Encoder Sales Market Share by Region in 2025
- Figure 55. APAC High-precision Encoder Revenue Market Share by Region (2021-2026)
- Figure 56. APAC High-precision Encoder Sales Market Share by Type (2021-2026)
- Figure 57. APAC High-precision Encoder Sales Market Share by Application (2021-2026)
- Figure 58. China High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 59. Japan High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 60. South Korea High-precision Encoder Revenue Growth 2021-2026 (\$ millions)
- Figure 61. Southeast Asia High-precision Encoder Revenue Growth 2021-2026 (\$

millions)

Figure 62. India High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 63. Australia High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 64. China Taiwan High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 65. Europe High-precision Encoder Sales Market Share by Country in 2025

Figure 66. Europe High-precision Encoder Revenue Market Share by Country (2021-2026)

Figure 67. Europe High-precision Encoder Sales Market Share by Type (2021-2026)

Figure 68. Europe High-precision Encoder Sales Market Share by Application (2021-2026)

Figure 69. Germany High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 70. France High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 71. UK High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 72. Italy High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 73. Russia High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 74. Middle East & Africa High-precision Encoder Sales Market Share by Country (2021-2026)

Figure 75. Middle East & Africa High-precision Encoder Sales Market Share by Type (2021-2026)

Figure 76. Middle East & Africa High-precision Encoder Sales Market Share by Application (2021-2026)

Figure 77. Egypt High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 78. South Africa High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 79. Israel High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 80. Turkey High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 81. GCC Countries High-precision Encoder Revenue Growth 2021-2026 (\$ millions)

Figure 82. Manufacturing Cost Structure Analysis of High-precision Encoder in 2026

Figure 83. Manufacturing Process Analysis of High-precision Encoder

Figure 84. Industry Chain Structure of High-precision Encoder

Figure 85. Channels of Distribution

Figure 86. Global High-precision Encoder Sales Market Forecast by Region (2027-2032)

Figure 87. Global High-precision Encoder Revenue Market Share Forecast by Region (2027-2032)

Figure 88. Global High-precision Encoder Sales Market Share Forecast by Type (2027-2032)

Figure 89. Global High-precision Encoder Revenue Market Share Forecast by Type

(2027-2032)

Figure 90. Global High-precision Encoder Sales Market Share Forecast by Application

(2027-2032)

Figure 91. Global High-precision Encoder Revenue Market Share Forecast by

Application (2027-2032)

## I would like to order

Product name: Global High-precision Encoder Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GED4DCF93AFAEN.html>

Price: US\$ 3,660.00 (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/GED4DCF93AFAEN.html>