+357 96 030922
info@marketpublishers.com

Global Photoelectric Encoders Market Growth 2026-2032

https://marketpublishers.com/r/GDE423C02AB2EN.html
Date: October 2026
Pages: 157
Price: US$ 3,660.00 (Single User License)
ID: GDE423C02AB2EN

Abstracts

The global Photoelectric Encoders market size is predicted to grow from US$ 2640 million in 2025 to US$ 4386 million in 2032; it is expected to grow at a CAGR of 7.8% from 2026 to 2032.

Photoelectric Encoders are position and motion feedback sensors that turn mechanical movement into electrical signals by using light. In a typical optical encoder, a light source (often an LED) shines through or reflects off a patterned scale (a code disk for rotary motion, or a scale strip for linear motion). A photodetector reads how the light changes as the pattern moves, and electronics convert this into signals that a controller can use to know position, speed, and direction. This is why Photoelectric Encoders are a core part of many motion systems: without feedback, motors and axes cannot reliably hit the right location, keep stable speed, or correct errors in real time. Renishaw describes Photoelectric Encoders as a scale + readhead system where a light source and photodetector move past scale lines to generate an electrical signal for a motion control system.

From a market-definition view, the optical encoder market covers both rotary encoders (measuring angle/rotation of shafts) and linear encoders (measuring straight-line position of machine axes). It also covers different “grades” and form factors: compact encoders for general automation, high-accuracy encoders for CNC machine tools and precision stages, and robust encoders designed for harsh factory environments.

In 2025, global Photoelectric Encoders production reached approximately 28820 K Units, with an average global market price of around US$ 93.6 per unit. The global single-line production capacity ranges from 500 to 700 K Units per year. The industry's gross profit margin is approximately 30%-40%.

+357 96 030922
info@marketpublishers.com

Key Findings

Incremental Photoelectric Encoders remain the principal volume segment across general automation and motor-feedback applications

Rotary encoders account for broader unit demand while precision linear and angle systems command higher value per system

Asia-Pacific represents the largest production-led cluster supported by electronics machinery robotics and industrial automation

Absolute interfaces miniaturized readheads and contamination-tolerant optics are expanding the addressable high-performance market

Market Trends

The optical encoder industry is moving toward higher resolution, smaller readheads, faster serial communication and easier system integration. Suppliers are embedding interpolation, diagnostics and signal-processing functions directly into readheads, reducing the need for external electronics and enabling more compact motion platforms. Absolute architectures are gaining importance where equipment must recover position immediately after power interruption, while incremental systems remain widely used in cost-sensitive speed and relative-position feedback. Open optical systems are increasingly optimized for wider installation tolerances, improved dirt immunity and flexible scales, supporting precision stages, semiconductor tools and compact robotics. At the same time, industrial rotary products are adopting programmable resolution, digital parameterization and network interfaces such as BiSS, EtherCAT, PROFINET and EtherNet/IP. Functional-safety variants and condition-monitoring capabilities are becoming more important in automated machinery. Product development is therefore shifting from stand-alone pulse generation toward intelligent position-feedback subsystems combining sensing, digital communication, diagnostics and application-specific mechanical design. Renishaw and HEIDENHAIN product portfolios illustrate the parallel development of incremental and absolute open systems for high-speed linear and angular measurement.

Market Dynamics

Drivers

+357 96 030922
info@marketpublishers.com

Demand is driven primarily by the expansion of industrial automation, servo-controlled machinery, collaborative and industrial robots, semiconductor production equipment and precision metrology. These systems require accurate real-time information on position, velocity and direction to maintain repeatability, productivity and process quality. Higher axis counts in automated equipment increase the number of feedback devices installed per machine, while tighter dimensional tolerances encourage adoption of higher-resolution linear and angle encoders. Electrification and digital motion control also support demand for compact rotary modules integrated into motors and actuators. Optical technology benefits from its high resolution, low latency and compatibility with digital control electronics. The continuing localization and expansion of electronics and machinery manufacturing in Asia further increases unit demand. New safety requirements and predictive-maintenance strategies create additional demand for encoders offering diagnostic data, error monitoring and safety-certified feedback rather than basic pulse outputs alone.

Restraints

Photoelectric Encoders face performance and cost limitations in environments containing dust, oil, condensation, aggressive chemicals, high shock or severe vibration. Contamination of the scale, code disc or optical path can reduce signal quality, while precision glass discs and fine-pitch scales require careful manufacturing, alignment and handling. Sealed housings, redundant sensing and advanced filtering optics improve reliability but increase component and assembly costs. High-accuracy open systems may also require strict mounting tolerances, calibrated scales and specialized installation procedures, raising the total installed cost. Magnetic encoders, inductive encoders and resolvers compete strongly in harsh-duty, high-temperature and contamination-prone applications even when their resolution is lower. Price pressure is especially pronounced in standard industrial and consumer rotary encoders, where customers can switch between competing sensing technologies. Availability of LEDs, photodetector arrays, optical-grade substrates and precision semiconductor components can additionally affect production lead times.

Opportunities

The strongest opportunities lie in semiconductor fabrication equipment, wafer inspection, advanced packaging, precision robotics, surgical systems, laboratory automation and high-end additive manufacturing, where nanometre- or micrometre-level positioning creates willingness to pay for better accuracy and stability. Compact reflective and modular encoders can expand into miniature motors, robotic joints, portable medical devices and automated optical assemblies with limited installation

+357 96 030922
info@marketpublishers.com

space. Absolute optical systems have room to grow in multi-axis machinery that must eliminate homing cycles and reduce restart time. Further integration of readhead electronics, calibration data, temperature compensation and predictive diagnostics can increase value per unit and create recurring engineering relationships with equipment manufacturers. Contamination-tolerant optics and wider setup tolerances can also open applications previously served by magnetic technologies. Emerging Asian automation manufacturers offer opportunities for localized design support, regional production and application-specific products that balance performance with lower system cost.

Challenges

Long-term challenges include balancing very high accuracy with robustness, affordability and simple installation. Performance specifications are not always directly comparable because suppliers use different definitions for resolution, accuracy, repeatability, interpolation error and system error. Interface fragmentation across proprietary protocols and industrial Ethernet standards can increase development and qualification work for both manufacturers and customers. High-performance products often require close matching of readheads, scales, mechanics, cables and controllers, making commercialization slower than for standardized sensors. The market also contains numerous regional and specialist suppliers, creating intense price competition in conventional incremental products while global leaders defend proprietary high-precision architectures. Rapid progress in magnetic sensing, inductive measurement and sensor-fusion algorithms may narrow the performance gap in some applications. Manufacturers must therefore sustain investment in optics, ASICs, calibration, software and application engineering while managing cyclical demand from machine-tool and semiconductor-equipment customers.

Industry Chain Analysis

The upstream chain consists of LEDs and laser sources, photodiodes and sensor arrays, signal-processing ASICs, printed circuit boards, connectors, bearings, precision shafts, housings and optical-grade glass, metal or polymer substrates. Scale and code-disc production involves lithography, printing, etching, coating and precision patterning, with accuracy depending heavily on substrate stability and manufacturing control. Midstream manufacturers design the optical path, readhead, code carrier, electronics, firmware and mechanical package, followed by alignment, calibration, environmental testing and interface validation. Products are supplied as complete shaft encoders, hollow-shaft assemblies, open readheads with matched scales or OEM modules. Downstream value is created through integration into motors, stages, robots and

+357 96 030922
info@marketpublishers.com

machines, where encoder performance affects positioning accuracy, cycle time and product quality. Standard rotary products have a larger share of cost in mechanical parts, assembly and distribution, while high-end linear and angle systems derive more value from proprietary optical design, precision scales, ASICs, calibration and technical support. Qualification and redesign costs give proven suppliers stronger customer retention in critical equipment.

Segment Insights

Incremental Photoelectric Encoders represent the broadest unit-volume segment because they provide cost-effective speed, direction and relative-position feedback for motors, conveyors, packaging machines and general automation. Rotary configurations form the largest product base due to their widespread use on motor shafts and machine axes. Within this segment, programmable resolution and more robust housings help suppliers reduce inventory complexity while serving multiple replacement and OEM requirements. Absolute Photoelectric Encodersform a smaller but higher-value segment, benefiting from applications that require immediate position availability, multi-axis synchronization and reduced machine-referencing time.

The fastest technology opportunities are concentrated in high-resolution open linear and angle encoders, compact reflective modules and absolute digital systems. Open encoders serve precision stages and equipment where eliminating bearings and mechanical contact improves speed and accuracy. Enclosed systems remain important where installation simplicity and environmental protection take priority. Product differentiation increasingly depends on system accuracy, interpolation error, maximum speed, latency, contamination tolerance, functional safety and interface compatibility rather than nominal resolution alone. Broadcom’s portfolio demonstrates the use of optical technology in incremental, absolute and linear motion-control products, while US Digital offers both absolute and incremental configurations in kit and shaft formats.

Downstream Market Opportunities

Industrial automation and robotics constitute the broadest downstream market, with encoders providing feedback for servo motors, joints, linear axes, conveyors and material-handling systems. Machine tools and metrology demand higher accuracy for feed axes, spindles, rotary tables and coordinate measurement. Semiconductor and electronics equipment provide premium opportunities because lithography, inspection, wafer handling and assembly platforms require precise, fast and repeatable movement. Medical and laboratory systems use compact encoders in imaging, diagnostics, pumps,

+357 96 030922
info@marketpublishers.com

robotic instruments and sample-handling equipment, where low noise and reliable positioning are important. Printing, packaging and textile machinery remain substantial repeat-purchase markets for speed synchronization, registration and cut-length control. Aerospace, defense and scientific instruments offer lower volumes but higher qualification requirements and unit values. Growth opportunities increasingly arise where equipment builders need smaller form factors, faster communication, immediate absolute position, functional safety or operation in vacuum and extended-temperature conditions.

Regional Insights

Asia-Pacific is the principal production-led and demand-led cluster because it contains large electronics, semiconductor, robotics, machine-tool and automation manufacturing bases in China, Japan, South Korea, Taiwan and Southeast Asia. Japan retains strong encoder, motor and industrial-control expertise, while China provides the largest expansion opportunity for locally integrated automation components and cost-optimized precision equipment. Europe is distinguished by high-end machine tools, metrology, industrial automation and established encoder specialists, particularly in Germany, the United Kingdom and Switzerland. Demand in this region emphasizes accuracy, machinery safety, engineering support and industrial communication standards. North America has a diverse market spanning factory automation, semiconductor equipment, medical technology, aerospace and specialized motion control, with a strong presence of encoder-module and industrial rotary suppliers. Emerging manufacturing markets in India, Latin America and the Middle East offer longer-term opportunities, but demand is currently more concentrated in general industrial automation and imported equipment than in ultra-high-precision systems.

Report Scope

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

This Insight Report provides a comprehensive analysis of the global Photoelectric Encoders landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity.

+357 96 030922
info@marketpublishers.com

This report also analyzes the strategies of leading global companies with a focus on Photoelectric Encoders portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Photoelectric Encoders market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photoelectric Encoders 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 Photoelectric Encoders.

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

Market Segmentation

Segmentation by Type:

Incremental Photoelectric Encoders

Absolute Photoelectric Encoders

Segmentation by Measurement Type:

Rotary Photoelectric Encoders

Linear Photoelectric Encoders

Segmentation by Mechanical Construction:

Shaft Encoders

Hollow-Shaft Encoders

+357 96 030922
info@marketpublishers.com

Ring Encoders

Others

Segmentation by Optical Principle:

Transmissive

Reflective

Interferential and Diffractive

Segmentation by Application:

Servo Motors and Motion Control Systems

Machine Tools and Precision Metrology

Consumer Electronics

Industrial Automation and Robotics

Semiconductor and Electronics Manufacturing Equipment

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

+357 96 030922
info@marketpublishers.com

- Brazil

APAC

- China
- Japan
- Korea
- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel
- Turkey

+357 96 030922
info@marketpublishers.com

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.

Broadcom

BEI Precision

Renishaw

Dynapar

Baumer Group

TAMAGAWA SEIKI

CTS Corporation

K?bler Group

Encoder Products Company

US Digital

Same Sky Devices

OMRON Corporation

HEIDENHAIN

Bourns

Grayhill

Gurley Precision Instruments

+357 96 030922
info@marketpublishers.com

SICK

Novanta

Honest Sensor Corporation

HONTKO

Changchun Yuheng Optics

Changchun Rongde Optics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Photoelectric Encoders market?

What factors are driving Photoelectric Encoders market growth, globally and by region?

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

How do Photoelectric Encoders market opportunities vary by end market size?

How does Photoelectric Encoders break out by Type, by Application?

+357 96 030922
info@marketpublishers.com

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 Photoelectric Encoders Annual Sales 2021-2032
  2.1.2 World Current & Future Analysis for Photoelectric Encoders by Geographic Region, 2021, 2025 & 2032
  2.1.3 World Current & Future Analysis for Photoelectric Encoders by Country/Region, 2021, 2025 & 2032
2.2 Photoelectric Encoders Segment by Type
  2.2.1 Incremental Photoelectric Encoders
  2.2.2 Absolute Photoelectric Encoders
  2.2.3 Photoelectric Encoders Sales by Type
    2.2.3.1 Global Photoelectric Encoders Sales Market Share by Type (2021-2026)
    2.2.3.2 Global Photoelectric Encoders Revenue and Market Share by Type (2021-2026)
    2.2.3.3 Global Photoelectric Encoders Sale Price by Type (2021-2026)
2.3 Photoelectric Encoders Segment by Measurement Type
  2.3.1 Rotary Photoelectric Encoders
  2.3.2 Linear Photoelectric Encoders
  2.3.3 Photoelectric Encoders Sales by Measurement Type
    2.3.3.1 Global Photoelectric Encoders Sales Market Share by Measurement Type (2021-2026)
    2.3.3.2 Global Photoelectric Encoders Revenue and Market Share by Measurement Type (2021-2026)
    2.3.3.3 Global Photoelectric Encoders Sale Price by Measurement Type (2021-2026)
2.4 Photoelectric Encoders Segment by Mechanical Construction

+357 96 030922
info@marketpublishers.com

2.4.1 Shaft Encoders
2.4.2 Hollow-Shaft Encoders
2.4.3 Ring Encoders
2.4.4 Others
2.4.5 Photoelectric Encoders Sales by Mechanical Construction
2.4.5.1 Global Photoelectric Encoders Sales Market Share by Mechanical Construction (2021-2026)
2.4.5.2 Global Photoelectric Encoders Revenue and Market Share by Mechanical Construction (2021-2026)
2.4.5.3 Global Photoelectric Encoders Sale Price by Mechanical Construction (2021-2026)
2.5 Photoelectric Encoders Segment by Optical Principle
2.5.1 Transmissive
2.5.2 Reflective
2.5.3 Interferential and Diffractive
2.5.4 Photoelectric Encoders Sales by Optical Principle
2.5.4.1 Global Photoelectric Encoders Sales Market Share by Optical Principle (2021-2026)
2.5.4.2 Global Photoelectric Encoders Revenue and Market Share by Optical Principle (2021-2026)
2.5.4.3 Global Photoelectric Encoders Sale Price by Optical Principle (2021-2026)
2.6 Photoelectric Encoders Segment by Application
2.6.1 Servo Motors and Motion Control Systems
2.6.2 Machine Tools and Precision Metrology
2.6.3 Consumer Electronics
2.6.4 Industrial Automation and Robotics
2.6.5 Semiconductor and Electronics Manufacturing Equipment
2.6.6 Others
2.6.7 Photoelectric Encoders Sales by Application
2.6.7.1 Global Photoelectric Encoders Sale Market Share by Application (2021-2026)
2.6.7.2 Global Photoelectric Encoders Revenue and Market Share by Application (2021-2026)
2.6.7.3 Global Photoelectric Encoders Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Photoelectric Encoders Breakdown Data by Company
3.1.1 Global Photoelectric Encoders Annual Sales by Company (2021-2026)
3.1.2 Global Photoelectric Encoders Sales Market Share by Company (2021-2026)

+357 96 030922
info@marketpublishers.com

3.2 Global Photoelectric Encoders Annual Revenue by Company (2021-2026)
3.2.1 Global Photoelectric Encoders Revenue by Company (2021-2026)
3.2.2 Global Photoelectric Encoders Revenue Market Share by Company (2021-2026)
3.3 Global Photoelectric Encoders Sale Price by Company
3.4 Key Manufacturers Photoelectric Encoders Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Photoelectric Encoders Product Location Distribution
3.4.2 Players Photoelectric Encoders 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 PHOTOELECTRIC ENCODERS BY GEOGRAPHIC REGION

4.1 World Historic Photoelectric Encoders Market Size by Geographic Region (2021-2026)
4.1.1 Global Photoelectric Encoders Annual Sales by Geographic Region (2021-2026)
4.1.2 Global Photoelectric Encoders Annual Revenue by Geographic Region (2021-2026)
4.2 World Historic Photoelectric Encoders Market Size by Country/Region (2021-2026)
4.2.1 Global Photoelectric Encoders Annual Sales by Country/Region (2021-2026)
4.2.2 Global Photoelectric Encoders Annual Revenue by Country/Region (2021-2026)
4.3 Americas Photoelectric Encoders Sales Growth
4.4 APAC Photoelectric Encoders Sales Growth
4.5 Europe Photoelectric Encoders Sales Growth
4.6 Middle East & Africa Photoelectric Encoders Sales Growth

5 AMERICAS

5.1 Americas Photoelectric Encoders Sales by Country
5.1.1 Americas Photoelectric Encoders Sales by Country (2021-2026)
5.1.2 Americas Photoelectric Encoders Revenue by Country (2021-2026)
5.2 Americas Photoelectric Encoders Sales by Type (2021-2026)
5.3 Americas Photoelectric Encoders Sales by Application (2021-2026)
5.4 United States
5.5 Canada

+357 96 030922
info@marketpublishers.com

5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Photoelectric Encoders Sales by Region
  6.1.1 APAC Photoelectric Encoders Sales by Region (2021-2026)
  6.1.2 APAC Photoelectric Encoders Revenue by Region (2021-2026)
6.2 APAC Photoelectric Encoders Sales by Type (2021-2026)
6.3 APAC Photoelectric Encoders 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 Photoelectric Encoders by Country
  7.1.1 Europe Photoelectric Encoders Sales by Country (2021-2026)
  7.1.2 Europe Photoelectric Encoders Revenue by Country (2021-2026)
7.2 Europe Photoelectric Encoders Sales by Type (2021-2026)
7.3 Europe Photoelectric Encoders 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 Photoelectric Encoders by Country
  8.1.1 Middle East & Africa Photoelectric Encoders Sales by Country (2021-2026)
  8.1.2 Middle East & Africa Photoelectric Encoders Revenue by Country (2021-2026)
8.2 Middle East & Africa Photoelectric Encoders Sales by Type (2021-2026)
8.3 Middle East & Africa Photoelectric Encoders Sales by Application (2021-2026)
8.4 Egypt

+357 96 030922
info@marketpublishers.com

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 Photoelectric Encoders
10.3 Manufacturing Process Analysis of Photoelectric Encoders
10.4 Industry Chain Structure of Photoelectric Encoders

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 Photoelectric Encoders Distributors
11.3 Photoelectric Encoders Customer

12 WORLD FORECAST REVIEW FOR PHOTOELECTRIC ENCODERS BY GEOGRAPHIC REGION

12.1 Global Photoelectric Encoders Market Size Forecast by Region
  12.1.1 Global Photoelectric Encoders Forecast by Region (2027-2032)
  12.1.2 Global Photoelectric Encoders 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 Photoelectric Encoders Forecast by Type (2027-2032)
12.7 Global Photoelectric Encoders Forecast by Application (2027-2032)

+357 96 030922
info@marketpublishers.com

13 KEY PLAYERS ANALYSIS

13.1 Broadcom
13.1.1 Broadcom Company Information
13.1.2 Broadcom Photoelectric Encoders Product Portfolios and Specifications
13.1.3 Broadcom Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.1.4 Broadcom Main Business Overview
13.1.5 Broadcom Latest Developments
13.2 BEI Precision
13.2.1 BEI Precision Company Information
13.2.2 BEI Precision Photoelectric Encoders Product Portfolios and Specifications
13.2.3 BEI Precision Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.2.4 BEI Precision Main Business Overview
13.2.5 BEI Precision Latest Developments
13.3 Renishaw
13.3.1 Renishaw Company Information
13.3.2 Renishaw Photoelectric Encoders Product Portfolios and Specifications
13.3.3 Renishaw Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.3.4 Renishaw Main Business Overview
13.3.5 Renishaw Latest Developments
13.4 Dynapar
13.4.1 Dynapar Company Information
13.4.2 Dynapar Photoelectric Encoders Product Portfolios and Specifications
13.4.3 Dynapar Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.4.4 Dynapar Main Business Overview
13.4.5 Dynapar Latest Developments
13.5 Baumer Group
13.5.1 Baumer Group Company Information
13.5.2 Baumer Group Photoelectric Encoders Product Portfolios and Specifications
13.5.3 Baumer Group Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.5.4 Baumer Group Main Business Overview
13.5.5 Baumer Group Latest Developments
13.6 TAMAGAWA SEIKI

+357 96 030922
info@marketpublishers.com

13.6.1 TAMAGAWA SEIKI Company Information
13.6.2 TAMAGAWA SEIKI Photoelectric Encoders Product Portfolios and Specifications
13.6.3 TAMAGAWA SEIKI Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.6.4 TAMAGAWA SEIKI Main Business Overview
13.6.5 TAMAGAWA SEIKI Latest Developments
13.7 CTS Corporation
13.7.1 CTS Corporation Company Information
13.7.2 CTS Corporation Photoelectric Encoders Product Portfolios and Specifications
13.7.3 CTS Corporation Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.7.4 CTS Corporation Main Business Overview
13.7.5 CTS Corporation Latest Developments
13.8 K?bler Group
13.8.1 K?bler Group Company Information
13.8.2 K?bler Group Photoelectric Encoders Product Portfolios and Specifications
13.8.3 K?bler Group Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.8.4 K?bler Group Main Business Overview
13.8.5 K?bler Group Latest Developments
13.9 Encoder Products Company
13.9.1 Encoder Products Company Company Information
13.9.2 Encoder Products Company Photoelectric Encoders Product Portfolios and Specifications
13.9.3 Encoder Products Company Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.9.4 Encoder Products Company Main Business Overview
13.9.5 Encoder Products Company Latest Developments
13.10 US Digital
13.10.1 US Digital Company Information
13.10.2 US Digital Photoelectric Encoders Product Portfolios and Specifications
13.10.3 US Digital Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.10.4 US Digital Main Business Overview
13.10.5 US Digital Latest Developments
13.11 Same Sky Devices
13.11.1 Same Sky Devices Company Information
13.11.2 Same Sky Devices Photoelectric Encoders Product Portfolios and

+357 96 030922
info@marketpublishers.com

Specifications
13.11.3 Same Sky Devices Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.11.4 Same Sky Devices Main Business Overview
13.11.5 Same Sky Devices Latest Developments
13.12 OMRON Corporation
13.12.1 OMRON Corporation Company Information
13.12.2 OMRON Corporation Photoelectric Encoders Product Portfolios and Specifications
13.12.3 OMRON Corporation Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.12.4 OMRON Corporation Main Business Overview
13.12.5 OMRON Corporation Latest Developments
13.13 HEIDENHAIN
13.13.1 HEIDENHAIN Company Information
13.13.2 HEIDENHAIN Photoelectric Encoders Product Portfolios and Specifications
13.13.3 HEIDENHAIN Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.13.4 HEIDENHAIN Main Business Overview
13.13.5 HEIDENHAIN Latest Developments
13.14 Bourns
13.14.1 Bourns Company Information
13.14.2 Bourns Photoelectric Encoders Product Portfolios and Specifications
13.14.3 Bourns Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.14.4 Bourns Main Business Overview
13.14.5 Bourns Latest Developments
13.15 Grayhill
13.15.1 Grayhill Company Information
13.15.2 Grayhill Photoelectric Encoders Product Portfolios and Specifications
13.15.3 Grayhill Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.15.4 Grayhill Main Business Overview
13.15.5 Grayhill Latest Developments
13.16 Gurley Precision Instruments
13.16.1 Gurley Precision Instruments Company Information
13.16.2 Gurley Precision Instruments Photoelectric Encoders Product Portfolios and Specifications
13.16.3 Gurley Precision Instruments Photoelectric Encoders Sales, Revenue, Price

+357 96 030922
info@marketpublishers.com

and Gross Margin (2021-2026)
13.16.4 Gurley Precision Instruments Main Business Overview
13.16.5 Gurley Precision Instruments Latest Developments
13.17 SICK
13.17.1 SICK Company Information
13.17.2 SICK Photoelectric Encoders Product Portfolios and Specifications
13.17.3 SICK Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.17.4 SICK Main Business Overview
13.17.5 SICK Latest Developments
13.18 Novanta
13.18.1 Novanta Company Information
13.18.2 Novanta Photoelectric Encoders Product Portfolios and Specifications
13.18.3 Novanta Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.18.4 Novanta Main Business Overview
13.18.5 Novanta Latest Developments
13.19 Honest Sensor Corporation
13.19.1 Honest Sensor Corporation Company Information
13.19.2 Honest Sensor Corporation Photoelectric Encoders Product Portfolios and Specifications
13.19.3 Honest Sensor Corporation Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.19.4 Honest Sensor Corporation Main Business Overview
13.19.5 Honest Sensor Corporation Latest Developments
13.20 HONTKO
13.20.1 HONTKO Company Information
13.20.2 HONTKO Photoelectric Encoders Product Portfolios and Specifications
13.20.3 HONTKO Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.20.4 HONTKO Main Business Overview
13.20.5 HONTKO Latest Developments
13.21 Changchun Yuheng Optics
13.21.1 Changchun Yuheng Optics Company Information
13.21.2 Changchun Yuheng Optics Photoelectric Encoders Product Portfolios and Specifications
13.21.3 Changchun Yuheng Optics Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.21.4 Changchun Yuheng Optics Main Business Overview

+357 96 030922
info@marketpublishers.com

13.21.5 Changchun Yuheng Optics Latest Developments
13.22 Changchun Rongde Optics
13.22.1 Changchun Rongde Optics Company Information
13.22.2 Changchun Rongde Optics Photoelectric Encoders Product Portfolios and Specifications
13.22.3 Changchun Rongde Optics Photoelectric Encoders Sales, Revenue, Price and Gross Margin (2021-2026)
13.22.4 Changchun Rongde Optics Main Business Overview
13.22.5 Changchun Rongde Optics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Photoelectric Encoders Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & ($ millions)
Table 2. Photoelectric Encoders Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & ($ millions)
Table 3. Major Players of Incremental Photoelectric Encoders
Table 4. Major Players of Absolute Photoelectric Encoders
Table 5. Global Photoelectric Encoders Sales by Type (2021-2026) & (K Units)
Table 6. Global Photoelectric Encoders Sales Market Share by Type (2021-2026)
Table 7. Global Photoelectric Encoders Revenue by Type (2021-2026) & ($ million)
Table 8. Global Photoelectric Encoders Revenue Market Share by Type (2021-2026)
Table 9. Global Photoelectric Encoders Sale Price by Type (2021-2026) & (US$/Unit)
Table 10. Major Players of Rotary Photoelectric Encoders
Table 11. Major Players of Linear Photoelectric Encoders
Table 12. Global Photoelectric Encoders Sales by Measurement Type (2021-2026) & (K Units)
Table 13. Global Photoelectric Encoders Sales Market Share by Measurement Type (2021-2026)
Table 14. Global Photoelectric Encoders Revenue by Measurement Type (2021-2026) & ($ million)
Table 15. Global Photoelectric Encoders Revenue Market Share by Measurement Type (2021-2026)
Table 16. Global Photoelectric Encoders Sale Price by Measurement Type (2021-2026) & (US$/Unit)
Table 17. Major Players of Shaft Encoders
Table 18. Major Players of Hollow-Shaft Encoders
Table 19. Major Players of Ring Encoders
Table 20. Major Players of Others
Table 21. Global Photoelectric Encoders Sales by Mechanical Construction (2021-2026) & (K Units)
Table 22. Global Photoelectric Encoders Sales Market Share by Mechanical Construction (2021-2026)
Table 23. Global Photoelectric Encoders Revenue by Mechanical Construction (2021-2026) & ($ million)
Table 24. Global Photoelectric Encoders Revenue Market Share by Mechanical Construction (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 25. Global Photoelectric Encoders Sale Price by Mechanical Construction (2021-2026) & (US$/Unit)
Table 26. Major Players of Transmissive
Table 27. Major Players of Reflective
Table 28. Major Players of Interferential and Diffractive
Table 29. Global Photoelectric Encoders Sales by Optical Principle (2021-2026) & (K Units)
Table 30. Global Photoelectric Encoders Sales Market Share by Optical Principle (2021-2026)
Table 31. Global Photoelectric Encoders Revenue by Optical Principle (2021-2026) & ($ million)
Table 32. Global Photoelectric Encoders Revenue Market Share by Optical Principle (2021-2026)
Table 33. Global Photoelectric Encoders Sale Price by Optical Principle (2021-2026) & (US$/Unit)
Table 34. Global Photoelectric Encoders Sale by Application (2021-2026) & (K Units)
Table 35. Global Photoelectric Encoders Sale Market Share by Application (2021-2026)
Table 36. Global Photoelectric Encoders Revenue by Application (2021-2026) & ($ million)
Table 37. Global Photoelectric Encoders Revenue Market Share by Application (2021-2026)
Table 38. Global Photoelectric Encoders Sale Price by Application (2021-2026) & (US$/Unit)
Table 39. Global Photoelectric Encoders Sales by Company (2021-2026) & (K Units)
Table 40. Global Photoelectric Encoders Sales Market Share by Company (2021-2026)
Table 41. Global Photoelectric Encoders Revenue by Company (2021-2026) & ($ millions)
Table 42. Global Photoelectric Encoders Revenue Market Share by Company (2021-2026)
Table 43. Global Photoelectric Encoders Sale Price by Company (2021-2026) & (US$/Unit)
Table 44. Key Manufacturers Photoelectric Encoders Producing Area Distribution and Sales Area
Table 45. Players Photoelectric Encoders Products Offered
Table 46. Photoelectric Encoders Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 47. New Products and Potential Entrants
Table 48. Market M&A Activity & Strategy
Table 49. Global Photoelectric Encoders Sales by Geographic Region (2021-2026) & (K

+357 96 030922
info@marketpublishers.com

Units)
Table 50. Global Photoelectric Encoders Sales Market Share Geographic Region (2021-2026)
Table 51. Global Photoelectric Encoders Revenue by Geographic Region (2021-2026) & ($ millions)
Table 52. Global Photoelectric Encoders Revenue Market Share by Geographic Region (2021-2026)
Table 53. Global Photoelectric Encoders Sales by Country/Region (2021-2026) & (K Units)
Table 54. Global Photoelectric Encoders Sales Market Share by Country/Region (2021-2026)
Table 55. Global Photoelectric Encoders Revenue by Country/Region (2021-2026) & ($ millions)
Table 56. Global Photoelectric Encoders Revenue Market Share by Country/Region (2021-2026)
Table 57. Americas Photoelectric Encoders Sales by Country (2021-2026) & (K Units)
Table 58. Americas Photoelectric Encoders Sales Market Share by Country (2021-2026)
Table 59. Americas Photoelectric Encoders Revenue by Country (2021-2026) & ($ millions)
Table 60. Americas Photoelectric Encoders Sales by Type (2021-2026) & (K Units)
Table 61. Americas Photoelectric Encoders Sales by Application (2021-2026) & (K Units)
Table 62. APAC Photoelectric Encoders Sales by Region (2021-2026) & (K Units)
Table 63. APAC Photoelectric Encoders Sales Market Share by Region (2021-2026)
Table 64. APAC Photoelectric Encoders Revenue by Region (2021-2026) & ($ millions)
Table 65. APAC Photoelectric Encoders Sales by Type (2021-2026) & (K Units)
Table 66. APAC Photoelectric Encoders Sales by Application (2021-2026) & (K Units)
Table 67. Europe Photoelectric Encoders Sales by Country (2021-2026) & (K Units)
Table 68. Europe Photoelectric Encoders Revenue by Country (2021-2026) & ($ millions)
Table 69. Europe Photoelectric Encoders Sales by Type (2021-2026) & (K Units)
Table 70. Europe Photoelectric Encoders Sales by Application (2021-2026) & (K Units)
Table 71. Middle East & Africa Photoelectric Encoders Sales by Country (2021-2026) & (K Units)
Table 72. Middle East & Africa Photoelectric Encoders Revenue Market Share by Country (2021-2026)
Table 73. Middle East & Africa Photoelectric Encoders Sales by Type (2021-2026) & (K Units)

+357 96 030922
info@marketpublishers.com

Table 74. Middle East & Africa Photoelectric Encoders Sales by Application (2021-2026) & (K Units)
Table 75. Key Market Drivers & Growth Opportunities of Photoelectric Encoders
Table 76. Key Market Challenges & Risks of Photoelectric Encoders
Table 77. Key Industry Trends of Photoelectric Encoders
Table 78. Photoelectric Encoders Raw Material
Table 79. Key Suppliers of Raw Materials
Table 80. Photoelectric Encoders Distributors List
Table 81. Photoelectric Encoders Customer List
Table 82. Global Photoelectric Encoders Sales Forecast by Region (2027-2032) & (K Units)
Table 83. Global Photoelectric Encoders Revenue Forecast by Region (2027-2032) & ($ millions)
Table 84. Americas Photoelectric Encoders Sales Forecast by Country (2027-2032) & (K Units)
Table 85. Americas Photoelectric Encoders Annual Revenue Forecast by Country (2027-2032) & ($ millions)
Table 86. APAC Photoelectric Encoders Sales Forecast by Region (2027-2032) & (K Units)
Table 87. APAC Photoelectric Encoders Annual Revenue Forecast by Region (2027-2032) & ($ millions)
Table 88. Europe Photoelectric Encoders Sales Forecast by Country (2027-2032) & (K Units)
Table 89. Europe Photoelectric Encoders Revenue Forecast by Country (2027-2032) & ($ millions)
Table 90. Middle East & Africa Photoelectric Encoders Sales Forecast by Country (2027-2032) & (K Units)
Table 91. Middle East & Africa Photoelectric Encoders Revenue Forecast by Country (2027-2032) & ($ millions)
Table 92. Global Photoelectric Encoders Sales Forecast by Type (2027-2032) & (K Units)
Table 93. Global Photoelectric Encoders Revenue Forecast by Type (2027-2032) & ($ millions)
Table 94. Global Photoelectric Encoders Sales Forecast by Application (2027-2032) & (K Units)
Table 95. Global Photoelectric Encoders Revenue Forecast by Application (2027-2032) & ($ millions)
Table 96. Broadcom Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors

+357 96 030922
info@marketpublishers.com

Table 97. Broadcom Photoelectric Encoders Product Portfolios and Specifications
Table 98. Broadcom Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 99. Broadcom Main Business
Table 100. Broadcom Latest Developments
Table 101. BEI Precision Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 102. BEI Precision Photoelectric Encoders Product Portfolios and Specifications
Table 103. BEI Precision Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 104. BEI Precision Main Business
Table 105. BEI Precision Latest Developments
Table 106. Renishaw Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 107. Renishaw Photoelectric Encoders Product Portfolios and Specifications
Table 108. Renishaw Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 109. Renishaw Main Business
Table 110. Renishaw Latest Developments
Table 111. Dynapar Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 112. Dynapar Photoelectric Encoders Product Portfolios and Specifications
Table 113. Dynapar Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 114. Dynapar Main Business
Table 115. Dynapar Latest Developments
Table 116. Baumer Group Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 117. Baumer Group Photoelectric Encoders Product Portfolios and Specifications
Table 118. Baumer Group Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 119. Baumer Group Main Business
Table 120. Baumer Group Latest Developments
Table 121. TAMAGAWA SEIKI Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 122. TAMAGAWA SEIKI Photoelectric Encoders Product Portfolios and Specifications
Table 123. TAMAGAWA SEIKI Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 124. TAMAGAWA SEIKI Main Business
Table 125. TAMAGAWA SEIKI Latest Developments
Table 126. CTS Corporation Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 127. CTS Corporation Photoelectric Encoders Product Portfolios and Specifications
Table 128. CTS Corporation Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 129. CTS Corporation Main Business
Table 130. CTS Corporation Latest Developments
Table 131. K?bler Group Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 132. K?bler Group Photoelectric Encoders Product Portfolios and Specifications
Table 133. K?bler Group Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 134. K?bler Group Main Business
Table 135. K?bler Group Latest Developments
Table 136. Encoder Products Company Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 137. Encoder Products Company Photoelectric Encoders Product Portfolios and Specifications
Table 138. Encoder Products Company Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 139. Encoder Products Company Main Business
Table 140. Encoder Products Company Latest Developments
Table 141. US Digital Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 142. US Digital Photoelectric Encoders Product Portfolios and Specifications
Table 143. US Digital Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 144. US Digital Main Business
Table 145. US Digital Latest Developments
Table 146. Same Sky Devices Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 147. Same Sky Devices Photoelectric Encoders Product Portfolios and Specifications
Table 148. Same Sky Devices Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 149. Same Sky Devices Main Business

+357 96 030922
info@marketpublishers.com

Table 150. Same Sky Devices Latest Developments
Table 151. OMRON Corporation Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 152. OMRON Corporation Photoelectric Encoders Product Portfolios and Specifications
Table 153. OMRON Corporation Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 154. OMRON Corporation Main Business
Table 155. OMRON Corporation Latest Developments
Table 156. HEIDENHAIN Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 157. HEIDENHAIN Photoelectric Encoders Product Portfolios and Specifications
Table 158. HEIDENHAIN Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 159. HEIDENHAIN Main Business
Table 160. HEIDENHAIN Latest Developments
Table 161. Bourns Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 162. Bourns Photoelectric Encoders Product Portfolios and Specifications
Table 163. Bourns Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 164. Bourns Main Business
Table 165. Bourns Latest Developments
Table 166. Grayhill Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 167. Grayhill Photoelectric Encoders Product Portfolios and Specifications
Table 168. Grayhill Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 169. Grayhill Main Business
Table 170. Grayhill Latest Developments
Table 171. Gurley Precision Instruments Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 172. Gurley Precision Instruments Photoelectric Encoders Product Portfolios and Specifications
Table 173. Gurley Precision Instruments Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 174. Gurley Precision Instruments Main Business
Table 175. Gurley Precision Instruments Latest Developments
Table 176. SICK Basic Information, Photoelectric Encoders Manufacturing Base, Sales

+357 96 030922
info@marketpublishers.com

Area and Its Competitors
Table 177. SICK Photoelectric Encoders Product Portfolios and Specifications
Table 178. SICK Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 179. SICK Main Business
Table 180. SICK Latest Developments
Table 181. Novanta Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 182. Novanta Photoelectric Encoders Product Portfolios and Specifications
Table 183. Novanta Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 184. Novanta Main Business
Table 185. Novanta Latest Developments
Table 186. Honest Sensor Corporation Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 187. Honest Sensor Corporation Photoelectric Encoders Product Portfolios and Specifications
Table 188. Honest Sensor Corporation Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 189. Honest Sensor Corporation Main Business
Table 190. Honest Sensor Corporation Latest Developments
Table 191. HONTKO Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 192. HONTKO Photoelectric Encoders Product Portfolios and Specifications
Table 193. HONTKO Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 194. HONTKO Main Business
Table 195. HONTKO Latest Developments
Table 196. Changchun Yuheng Optics Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 197. Changchun Yuheng Optics Photoelectric Encoders Product Portfolios and Specifications
Table 198. Changchun Yuheng Optics Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 199. Changchun Yuheng Optics Main Business
Table 200. Changchun Yuheng Optics Latest Developments
Table 201. Changchun Rongde Optics Basic Information, Photoelectric Encoders Manufacturing Base, Sales Area and Its Competitors
Table 202. Changchun Rongde Optics Photoelectric Encoders Product Portfolios and

+357 96 030922
info@marketpublishers.com

Specifications
Table 203. Changchun Rongde Optics Photoelectric Encoders Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2021-2026)
Table 204. Changchun Rongde Optics Main Business
Table 205. Changchun Rongde Optics Latest Developments

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Photoelectric Encoders
Figure 2. Photoelectric Encoders Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Photoelectric Encoders Sales Growth Rate 2021-2032 (K Units)
Figure 7. Global Photoelectric Encoders Revenue Growth Rate 2021-2032 ($ millions)
Figure 8. Photoelectric Encoders Sales by Geographic Region (2021, 2025 & 2032) & ($ millions)
Figure 9. Photoelectric Encoders Sales Market Share by Country/Region (2025)
Figure 10. Photoelectric Encoders Sales Market Share by Country/Region (2021, 2025 & 2032)
Figure 11. Product Picture of Incremental Photoelectric Encoders
Figure 12. Product Picture of Absolute Photoelectric Encoders
Figure 13. Global Photoelectric Encoders Sales Market Share by Type in 2026
Figure 14. Global Photoelectric Encoders Revenue Market Share by Type (2021-2026)
Figure 15. Product Picture of Rotary Photoelectric Encoders
Figure 16. Product Picture of Linear Photoelectric Encoders
Figure 17. Global Photoelectric Encoders Sales Market Share by Measurement Type in 2026
Figure 18. Global Photoelectric Encoders Revenue Market Share by Measurement Type (2021-2026)
Figure 19. Product Picture of Shaft Encoders
Figure 20. Product Picture of Hollow-Shaft Encoders
Figure 21. Product Picture of Ring Encoders
Figure 22. Product Picture of Others
Figure 23. Global Photoelectric Encoders Sales Market Share by Mechanical Construction in 2026
Figure 24. Global Photoelectric Encoders Revenue Market Share by Mechanical Construction (2021-2026)
Figure 25. Product Picture of Transmissive
Figure 26. Product Picture of Reflective
Figure 27. Product Picture of Interferential and Diffractive
Figure 28. Global Photoelectric Encoders Sales Market Share by Optical Principle in 2026

+357 96 030922
info@marketpublishers.com

Figure 29. Global Photoelectric Encoders Revenue Market Share by Optical Principle (2021-2026)
Figure 30. Photoelectric Encoders Consumed in Servo Motors and Motion Control Systems
Figure 31. Global Photoelectric Encoders Market: Servo Motors and Motion Control Systems (2021-2026) & (K Units)
Figure 32. Photoelectric Encoders Consumed in Machine Tools and Precision Metrology
Figure 33. Global Photoelectric Encoders Market: Machine Tools and Precision Metrology (2021-2026) & (K Units)
Figure 34. Photoelectric Encoders Consumed in Consumer Electronics
Figure 35. Global Photoelectric Encoders Market: Consumer Electronics (2021-2026) & (K Units)
Figure 36. Photoelectric Encoders Consumed in Industrial Automation and Robotics
Figure 37. Global Photoelectric Encoders Market: Industrial Automation and Robotics (2021-2026) & (K Units)
Figure 38. Photoelectric Encoders Consumed in Semiconductor and Electronics Manufacturing Equipment
Figure 39. Global Photoelectric Encoders Market: Semiconductor and Electronics Manufacturing Equipment (2021-2026) & (K Units)
Figure 40. Photoelectric Encoders Consumed in Others
Figure 41. Global Photoelectric Encoders Market: Others (2021-2026) & (K Units)
Figure 42. Global Photoelectric Encoders Sale Market Share by Application (2025)
Figure 43. Global Photoelectric Encoders Revenue Market Share by Application in 2025
Figure 44. Photoelectric Encoders Sales by Company in 2025 (K Units)
Figure 45. Global Photoelectric Encoders Sales Market Share by Company in 2025
Figure 46. Photoelectric Encoders Revenue by Company in 2025 ($ millions)
Figure 47. Global Photoelectric Encoders Revenue Market Share by Company in 2025
Figure 48. Global Photoelectric Encoders Sales Market Share by Geographic Region (2021-2026)
Figure 49. Global Photoelectric Encoders Revenue Market Share by Geographic Region in 2025
Figure 50. Americas Photoelectric Encoders Sales 2021-2026 (K Units)
Figure 51. Americas Photoelectric Encoders Revenue 2021-2026 ($ millions)
Figure 52. APAC Photoelectric Encoders Sales 2021-2026 (K Units)
Figure 53. APAC Photoelectric Encoders Revenue 2021-2026 ($ millions)
Figure 54. Europe Photoelectric Encoders Sales 2021-2026 (K Units)
Figure 55. Europe Photoelectric Encoders Revenue 2021-2026 ($ millions)
Figure 56. Middle East & Africa Photoelectric Encoders Sales 2021-2026 (K Units)

+357 96 030922
info@marketpublishers.com

Figure 57. Middle East & Africa Photoelectric Encoders Revenue 2021-2026 ($ millions)
Figure 58. Americas Photoelectric Encoders Sales Market Share by Country in 2025
Figure 59. Americas Photoelectric Encoders Revenue Market Share by Country (2021-2026)
Figure 60. Americas Photoelectric Encoders Sales Market Share by Type (2021-2026)
Figure 61. Americas Photoelectric Encoders Sales Market Share by Application (2021-2026)
Figure 62. United States Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 63. Canada Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 64. Mexico Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 65. Brazil Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 66. APAC Photoelectric Encoders Sales Market Share by Region in 2025
Figure 67. APAC Photoelectric Encoders Revenue Market Share by Region (2021-2026)
Figure 68. APAC Photoelectric Encoders Sales Market Share by Type (2021-2026)
Figure 69. APAC Photoelectric Encoders Sales Market Share by Application (2021-2026)
Figure 70. China Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 71. Japan Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 72. South Korea Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 73. Southeast Asia Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 74. India Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 75. Australia Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 76. China Taiwan Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 77. Europe Photoelectric Encoders Sales Market Share by Country in 2025
Figure 78. Europe Photoelectric Encoders Revenue Market Share by Country (2021-2026)
Figure 79. Europe Photoelectric Encoders Sales Market Share by Type (2021-2026)
Figure 80. Europe Photoelectric Encoders Sales Market Share by Application (2021-2026)
Figure 81. Germany Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 82. France Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 83. UK Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 84. Italy Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 85. Russia Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 86. Middle East & Africa Photoelectric Encoders Sales Market Share by Country

+357 96 030922
info@marketpublishers.com

(2021-2026)
Figure 87. Middle East & Africa Photoelectric Encoders Sales Market Share by Type (2021-2026)
Figure 88. Middle East & Africa Photoelectric Encoders Sales Market Share by Application (2021-2026)
Figure 89. Egypt Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 90. South Africa Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 91. Israel Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 92. Turkey Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 93. GCC Countries Photoelectric Encoders Revenue Growth 2021-2026 ($ millions)
Figure 94. Manufacturing Cost Structure Analysis of Photoelectric Encoders in 2026
Figure 95. Manufacturing Process Analysis of Photoelectric Encoders
Figure 96. Industry Chain Structure of Photoelectric Encoders
Figure 97. Channels of Distribution
Figure 98. Global Photoelectric Encoders Sales Market Forecast by Region (2027-2032)
Figure 99. Global Photoelectric Encoders Revenue Market Share Forecast by Region (2027-2032)
Figure 100. Global Photoelectric Encoders Sales Market Share Forecast by Type (2027-2032)
Figure 101. Global Photoelectric Encoders Revenue Market Share Forecast by Type (2027-2032)
Figure 102. Global Photoelectric Encoders Sales Market Share Forecast by Application (2027-2032)
Figure 103. Global Photoelectric Encoders Revenue Market Share Forecast by Application (2027-2032)

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Photoelectric Encoders Market Growth 2026-2032
Product link: https://marketpublishers.com/r/GDE423C02AB2EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GDE423C02AB2EN.html