



Singleturn Absolute Encoder Industry Research Report 2026

Industry	Published	Pages	Format
Electronics & Semiconductor	2026-07-02	125	PDF
Single User	Multi User	Enterprise	
USD 2,950	USD 4,430	USD 5,900	

Description

The global Singleturn Absolute Encoder market was valued at US\$ million in 2025 and is projected to reach US\$ million by 2032, implying a CAGR of % over 2026–2032.

The North America market for Singleturn Absolute Encoder is forecast to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026–2032.

The Europe market for Singleturn Absolute Encoder is projected to rise from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026–2032.

The Asia Pacific market for Singleturn Absolute Encoder is expected to grow from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026–2032.

Leading global manufacturers of Singleturn Absolute Encoder include , among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report quantifies the global Singleturn Absolute Encoder market in revenue (US\$ million) and, where applicable, sales volume (k units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/k units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Singleturn Absolute Encoder.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Singleturn Absolute Encoder Market by Company

Rockwell Automation

Kubler Group

Dynapar

Hengstler

HOHNER AUTOMATION

Eltra Spa Unipersonale

Pepperl+Fuchs

Tamagawa Seiki

ifm

SICK

Encoder Products

Broadcom

Althen Sensors

Turck

Singleturn Absolute Encoder Segment by Type

Absolute Magnetic

Absolute Reflective

Singleturn Absolute Encoder Segment by Application

Automotive

Industrial

Medical

Others

Singleturn Absolute Encoder Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Singleturn Absolute Encoder market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Singleturn Absolute Encoder and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Singleturn Absolute Encoder.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Singleturn Absolute Encoder manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Singleturn Absolute Encoder by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Singleturn Absolute Encoder in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Singleturn Absolute Encoder by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Absolute Magnetic
 - 2.2.3 Absolute Reflective
- 2.3 Singleturn Absolute Encoder by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Automotive
 - 2.3.3 Industrial
 - 2.3.4 Medical
 - 2.3.5 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Singleturn Absolute Encoder Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Singleturn Absolute Encoder Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Singleturn Absolute Encoder Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Singleturn Absolute Encoder Production by Manufacturers (2021-2026)
- 3.2 Global Singleturn Absolute Encoder Production Value by Manufacturers (2021-2026)
- 3.3 Global Singleturn Absolute Encoder Average Price by Manufacturers (2021-2026)
- 3.4 Global Singleturn Absolute Encoder Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Singleturn Absolute Encoder Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Singleturn Absolute Encoder Manufacturers, Product Type & Application
- 3.7 Global Singleturn Absolute Encoder Manufacturers Established Date
- 3.8 Global Singleturn Absolute Encoder Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Rockwell Automation
 - 4.1.1 Rockwell Automation Singleturn Absolute Encoder Company Information
 - 4.1.2 Rockwell Automation Singleturn Absolute Encoder Business Overview
 - 4.1.3 Rockwell Automation Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
 - 4.1.4 Rockwell Automation Product Portfolio
 - 4.1.5 Rockwell Automation Recent Developments
- 4.2 Kubler Group

[4.2.1 Kubler Group Singleturn Absolute Encoder Company Information](#)

[4.2.2 Kubler Group Singleturn Absolute Encoder Business Overview](#)

[4.2.3 Kubler Group Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.2.4 Kubler Group Product Portfolio](#)

[4.2.5 Kubler Group Recent Developments](#)

[4.3 Dynapar](#)

[4.3.1 Dynapar Singleturn Absolute Encoder Company Information](#)

[4.3.2 Dynapar Singleturn Absolute Encoder Business Overview](#)

[4.3.3 Dynapar Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.3.4 Dynapar Product Portfolio](#)

[4.3.5 Dynapar Recent Developments](#)

[4.4 Hengstler](#)

[4.4.1 Hengstler Singleturn Absolute Encoder Company Information](#)

[4.4.2 Hengstler Singleturn Absolute Encoder Business Overview](#)

[4.4.3 Hengstler Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.4.4 Hengstler Product Portfolio](#)

[4.4.5 Hengstler Recent Developments](#)

[4.5 HOHNER AUTOMATION](#)

[4.5.1 HOHNER AUTOMATION Singleturn Absolute Encoder Company Information](#)

[4.5.2 HOHNER AUTOMATION Singleturn Absolute Encoder Business Overview](#)

[4.5.3 HOHNER AUTOMATION Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.5.4 HOHNER AUTOMATION Product Portfolio](#)

[4.5.5 HOHNER AUTOMATION Recent Developments](#)

[4.6 Eltra Spa Unipersonale](#)

[4.6.1 Eltra Spa Unipersonale Singleturn Absolute Encoder Company Information](#)

[4.6.2 Eltra Spa Unipersonale Singleturn Absolute Encoder Business Overview](#)

[4.6.3 Eltra Spa Unipersonale Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.6.4 Eltra Spa Unipersonale Product Portfolio](#)

[4.6.5 Eltra Spa Unipersonale Recent Developments](#)

[4.7 Pepperl+Fuchs](#)

[4.7.1 Pepperl+Fuchs Singleturn Absolute Encoder Company Information](#)

[4.7.2 Pepperl+Fuchs Singleturn Absolute Encoder Business Overview](#)

[4.7.3 Pepperl+Fuchs Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.7.4 Pepperl+Fuchs Product Portfolio](#)

[4.7.5 Pepperl+Fuchs Recent Developments](#)

[4.8 Tamagawa Seiki](#)

[4.8.1 Tamagawa Seiki Singleturn Absolute Encoder Company Information](#)

[4.8.2 Tamagawa Seiki Singleturn Absolute Encoder Business Overview](#)

[4.8.3 Tamagawa Seiki Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.8.4 Tamagawa Seiki Product Portfolio](#)

[4.8.5 Tamagawa Seiki Recent Developments](#)

[4.9 ifm](#)

[4.9.1 ifm Singleturn Absolute Encoder Company Information](#)

[4.9.2 ifm Singleturn Absolute Encoder Business Overview](#)

[4.9.3 ifm Singleturn Absolute Encoder Production, Value and Gross Margin \(2021-2026\)](#)

[4.9.4 ifm Product Portfolio](#)

[4.9.5 ifm Recent Developments](#)

[4.10 SICK](#)

- 4.10.1 SICK Singleturn Absolute Encoder Company Information
- 4.10.2 SICK Singleturn Absolute Encoder Business Overview
- 4.10.3 SICK Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
- 4.10.4 SICK Product Portfolio
- 4.10.5 SICK Recent Developments
- 4.11 Encoder Products
 - 4.11.1 Encoder Products Singleturn Absolute Encoder Company Information
 - 4.11.2 Encoder Products Singleturn Absolute Encoder Business Overview
 - 4.11.3 Encoder Products Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
 - 4.11.4 Encoder Products Product Portfolio
 - 4.11.5 Encoder Products Recent Developments
- 4.12 Broadcom
 - 4.12.1 Broadcom Singleturn Absolute Encoder Company Information
 - 4.12.2 Broadcom Singleturn Absolute Encoder Business Overview
 - 4.12.3 Broadcom Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
 - 4.12.4 Broadcom Product Portfolio
 - 4.12.5 Broadcom Recent Developments
- 4.13 Althen Sensors
 - 4.13.1 Althen Sensors Singleturn Absolute Encoder Company Information
 - 4.13.2 Althen Sensors Singleturn Absolute Encoder Business Overview
 - 4.13.3 Althen Sensors Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
 - 4.13.4 Althen Sensors Product Portfolio
 - 4.13.5 Althen Sensors Recent Developments
- 4.14 Turck
 - 4.14.1 Turck Singleturn Absolute Encoder Company Information
 - 4.14.2 Turck Singleturn Absolute Encoder Business Overview
 - 4.14.3 Turck Singleturn Absolute Encoder Production, Value and Gross Margin (2021-2026)
 - 4.14.4 Turck Product Portfolio
 - 4.14.5 Turck Recent Developments

5 Global Singleturn Absolute Encoder Production by Region

- 5.1 Global Singleturn Absolute Encoder Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.2 Global Singleturn Absolute Encoder Production by Region: 2021-2032
 - 5.2.1 Global Singleturn Absolute Encoder Production by Region: 2021-2026
 - 5.2.2 Global Singleturn Absolute Encoder Production Forecast by Region (2027-2032)
- 5.3 Global Singleturn Absolute Encoder Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.4 Global Singleturn Absolute Encoder Production Value by Region: 2021-2032
 - 5.4.1 Global Singleturn Absolute Encoder Production Value by Region: 2021-2026
 - 5.4.2 Global Singleturn Absolute Encoder Production Value Forecast by Region (2027-2032)
- 5.5 Global Singleturn Absolute Encoder Market Price Analysis by Region (2021-2026)
- 5.6 Global Singleturn Absolute Encoder Production and Value, YOY Growth
 - 5.6.1 North America Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)
 - 5.6.2 Europe Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)
 - 5.6.3 China Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)
 - 5.6.4 Japan Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)
 - 5.6.5 South Korea Singleturn Absolute Encoder Production Value Estimates and Forecasts (2021-2032)

6 Global Singleturn Absolute Encoder Consumption by Region

- 6.1 Global Singleturn Absolute Encoder Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

- 6.2 Global Singleturn Absolute Encoder Consumption by Region (2021-2032)
 - 6.2.1 Global Singleturn Absolute Encoder Consumption by Region: 2021-2026
 - 6.2.2 Global Singleturn Absolute Encoder Forecasted Consumption by Region (2027-2032)
- 6.3 North America
 - 6.3.1 North America Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.3.2 North America Singleturn Absolute Encoder Consumption by Country (2021-2032)
 - 6.3.3 United States
 - 6.3.4 Canada
 - 6.3.5 Mexico
- 6.4 Europe
 - 6.4.1 Europe Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.4.2 Europe Singleturn Absolute Encoder Consumption by Country (2021-2032)
 - 6.4.3 Germany
 - 6.4.4 France
 - 6.4.5 U.K.
 - 6.4.6 Italy
 - 6.4.7 Russia
 - 6.4.8 Spain
 - 6.4.9 Netherlands
 - 6.4.10 Switzerland
 - 6.4.11 Sweden
 - 6.4.12 Poland
- 6.5 Asia Pacific
 - 6.5.1 Asia Pacific Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.5.2 Asia Pacific Singleturn Absolute Encoder Consumption by Country (2021-2032)
 - 6.5.3 China
 - 6.5.4 Japan
 - 6.5.5 South Korea
 - 6.5.6 India
 - 6.5.7 Australia
 - 6.5.8 Taiwan
 - 6.5.9 Southeast Asia
- 6.6 South America, Middle East & Africa
 - 6.6.1 South America, Middle East & Africa Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032
 - 6.6.2 South America, Middle East & Africa Singleturn Absolute Encoder Consumption by Country (2021-2032)
 - 6.6.3 Brazil
 - 6.6.4 Argentina
 - 6.6.5 Chile
 - 6.6.6 Turkey
 - 6.6.7 GCC Countries

7 Segment by Type

- 7.1 Global Singleturn Absolute Encoder Production by Type (2021-2032)
 - 7.1.1 Global Singleturn Absolute Encoder Production by Type (2021-2032) & (k units)
 - 7.1.2 Global Singleturn Absolute Encoder Production Market Share by Type (2021-2032)
- 7.2 Global Singleturn Absolute Encoder Production Value by Type (2021-2032)
 - 7.2.1 Global Singleturn Absolute Encoder Production Value by Type (2021-2032) & (US\$ Million)
 - 7.2.2 Global Singleturn Absolute Encoder Production Value Market Share by Type (2021-2032)

8 Segment by Application

- 8.1 Global Singleturn Absolute Encoder Production by Application (2021-2032)
 - 8.1.1 Global Singleturn Absolute Encoder Production by Application (2021-2032) & (k units)
 - 8.1.2 Global Singleturn Absolute Encoder Production Market Share by Application (2021-2032)
- 8.2 Global Singleturn Absolute Encoder Production Value by Application (2021-2032)
 - 8.2.1 Global Singleturn Absolute Encoder Production Value by Application (2021-2032) & (US\$ Million)
 - 8.2.2 Global Singleturn Absolute Encoder Production Value Market Share by Application (2021-2032)
- 8.3 Global Singleturn Absolute Encoder Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

- 9.1 Singleturn Absolute Encoder Value Chain Analysis
 - 9.1.1 Singleturn Absolute Encoder Key Raw Materials
 - 9.1.2 Raw Materials Key Suppliers
 - 9.1.3 Singleturn Absolute Encoder Production Mode & Process
- 9.2 Singleturn Absolute Encoder Sales Channels Analysis
 - 9.2.1 Direct Comparison with Distribution Share
 - 9.2.2 Singleturn Absolute Encoder Distributors
 - 9.2.3 Singleturn Absolute Encoder Customers

10 Global Singleturn Absolute Encoder Analyzing Market Dynamics

- 10.1 Singleturn Absolute Encoder Industry Trends
- 10.2 Singleturn Absolute Encoder Industry Drivers
- 10.3 Singleturn Absolute Encoder Industry Opportunities and Challenges
- 10.4 Singleturn Absolute Encoder Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Singleturn Absolute Encoder Production by Manufacturers (k units) & (2021-2026)
- Table 6: Global Singleturn Absolute Encoder Production Market Share by Manufacturers
- Table 7: Global Singleturn Absolute Encoder Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Singleturn Absolute Encoder Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Singleturn Absolute Encoder Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global Singleturn Absolute Encoder Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Singleturn Absolute Encoder Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Singleturn Absolute Encoder Manufacturers, Product Type & Application
- Table 13: Global Singleturn Absolute Encoder Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Singleturn Absolute Encoder by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Rockwell Automation Company Information
- Table 18: Rockwell Automation Business Overview
- Table 19: Rockwell Automation Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 20: Rockwell Automation Singleturn Absolute Encoder Product Portfolio
- Table 21: Rockwell Automation Recent Development
- Table 22: Kubler Group Company Information
- Table 23: Kubler Group Business Overview
- Table 24: Kubler Group Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 25: Kubler Group Singleturn Absolute Encoder Product Portfolio
- Table 26: Kubler Group Recent Development
- Table 27: Dynapar Company Information
- Table 28: Dynapar Business Overview
- Table 29: Dynapar Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 30: Dynapar Singleturn Absolute Encoder Product Portfolio
- Table 31: Dynapar Recent Development
- Table 32: Hengstler Company Information
- Table 33: Hengstler Business Overview
- Table 34: Hengstler Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 35: Hengstler Singleturn Absolute Encoder Product Portfolio
- Table 36: Hengstler Recent Development
- Table 37: HOHNER AUTOMATION Company Information
- Table 38: HOHNER AUTOMATION Business Overview
- Table 39: HOHNER AUTOMATION Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 40: HOHNER AUTOMATION Singleturn Absolute Encoder Product Portfolio
- Table 41: HOHNER AUTOMATION Recent Development
- Table 42: Eltra Spa Unipersonale Company Information
- Table 43: Eltra Spa Unipersonale Business Overview
- Table 44: Eltra Spa Unipersonale Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 45: Eltra Spa Unipersonale Singleturn Absolute Encoder Product Portfolio
- Table 46: Eltra Spa Unipersonale Recent Development
- Table 47: Pepperl+Fuchs Company Information
- Table 48: Pepperl+Fuchs Business Overview

- Table 49: Pepperl+Fuchs Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 50: Pepperl+Fuchs Singleturn Absolute Encoder Product Portfolio
- Table 51: Pepperl+Fuchs Recent Development
- Table 52: Tamagawa Seiki Company Information
- Table 53: Tamagawa Seiki Business Overview
- Table 54: Tamagawa Seiki Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 55: Tamagawa Seiki Singleturn Absolute Encoder Product Portfolio
- Table 56: Tamagawa Seiki Recent Development
- Table 57: ifm Company Information
- Table 58: ifm Business Overview
- Table 59: ifm Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 60: ifm Singleturn Absolute Encoder Product Portfolio
- Table 61: ifm Recent Development
- Table 62: SICK Company Information
- Table 63: SICK Business Overview
- Table 64: SICK Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 65: SICK Singleturn Absolute Encoder Product Portfolio
- Table 66: SICK Recent Development
- Table 67: Encoder Products Company Information
- Table 68: Encoder Products Business Overview
- Table 69: Encoder Products Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 70: Encoder Products Singleturn Absolute Encoder Product Portfolio
- Table 71: Encoder Products Recent Development
- Table 72: Broadcom Company Information
- Table 73: Broadcom Business Overview
- Table 74: Broadcom Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 75: Broadcom Singleturn Absolute Encoder Product Portfolio
- Table 76: Broadcom Recent Development
- Table 77: Althen Sensors Company Information
- Table 78: Althen Sensors Business Overview
- Table 79: Althen Sensors Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 80: Althen Sensors Singleturn Absolute Encoder Product Portfolio
- Table 81: Althen Sensors Recent Development
- Table 82: Turck Company Information
- Table 83: Turck Business Overview
- Table 84: Turck Singleturn Absolute Encoder Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 85: Turck Singleturn Absolute Encoder Product Portfolio
- Table 86: Turck Recent Development
- Table 87: Global Singleturn Absolute Encoder Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 88: Global Singleturn Absolute Encoder Production by Region (2021-2026) & (k units)
- Table 89: Global Singleturn Absolute Encoder Production Market Share by Region (2021-2026)
- Table 90: Global Singleturn Absolute Encoder Production Forecast by Region (2027-2032) & (k units)
- Table 91: Global Singleturn Absolute Encoder Production Market Share Forecast by Region (2027-2032)
- Table 92: Global Singleturn Absolute Encoder Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 93: Global Singleturn Absolute Encoder Production Value by Region (2021-2026) & (US\$ Million)
- Table 94: Global Singleturn Absolute Encoder Production Value Market Share by Region (2021-2026)
- Table 95: Global Singleturn Absolute Encoder Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 96: Global Singleturn Absolute Encoder Market Average Price (USD/unit) by Region (2021-2026)
- Table 97: Global Singleturn Absolute Encoder Market Average Price (USD/unit) by Region (2027-2032)
- Table 98: Global Singleturn Absolute Encoder Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 99: Global Singleturn Absolute Encoder Consumption by Region (2021-2026) & (k units)
- Table 100: Global Singleturn Absolute Encoder Consumption Market Share by Region (2021-2026)
- Table 101: Global Singleturn Absolute Encoder Forecasted Consumption by Region (2027-2032) & (k units)
- Table 102: Global Singleturn Absolute Encoder Forecasted Consumption Market Share by Region (2027-2032)
- Table 103: North America Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 104: North America Singleturn Absolute Encoder Consumption by Country (2021-2026) & (k units)

- Table 105: North America Singleturn Absolute Encoder Consumption by Country (2027-2032) & (k units)
- Table 106: Europe Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 107: Europe Singleturn Absolute Encoder Consumption by Country (2021-2026) & (k units)
- Table 108: Europe Singleturn Absolute Encoder Consumption by Country (2027-2032) & (k units)
- Table 109: Asia Pacific Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 110: Asia Pacific Singleturn Absolute Encoder Consumption by Country (2021-2026) & (k units)
- Table 111: Asia Pacific Singleturn Absolute Encoder Consumption by Country (2027-2032) & (k units)
- Table 112: South America, Middle East & Africa Singleturn Absolute Encoder Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 113: South America, Middle East & Africa Singleturn Absolute Encoder Consumption by Country (2021-2026) & (k units)
- Table 114: South America, Middle East & Africa Singleturn Absolute Encoder Consumption by Country (2027-2032) & (k units)
- Table 115: Global Singleturn Absolute Encoder Production by Type (2021-2026) & (k units)
- Table 116: Global Singleturn Absolute Encoder Production by Type (2027-2032) & (k units)
- Table 117: Global Singleturn Absolute Encoder Production Market Share by Type (2021-2026)
- Table 118: Global Singleturn Absolute Encoder Production Market Share by Type (2027-2032)
- Table 119: Global Singleturn Absolute Encoder Production Value by Type (2021-2026) & (US\$ Million)
- Table 120: Global Singleturn Absolute Encoder Production Value by Type (2027-2032) & (US\$ Million)
- Table 121: Global Singleturn Absolute Encoder Production Value Market Share by Type (2021-2026)
- Table 122: Global Singleturn Absolute Encoder Production Value Market Share by Type (2027-2032)
- Table 123: Global Singleturn Absolute Encoder Price by Type (2021-2026) & (USD/unit)
- Table 124: Global Singleturn Absolute Encoder Price by Type (2027-2032) & (USD/unit)
- Table 125: Global Singleturn Absolute Encoder Production by Application (2021-2026) & (k units)
- Table 126: Global Singleturn Absolute Encoder Production by Application (2027-2032) & (k units)
- Table 127: Global Singleturn Absolute Encoder Production Market Share by Application (2021-2026)
- Table 128: Global Singleturn Absolute Encoder Production Market Share by Application (2027-2032)
- Table 129: Global Singleturn Absolute Encoder Production Value by Application (2021-2026) & (US\$ Million)
- Table 130: Global Singleturn Absolute Encoder Production Value by Application (2027-2032) & (US\$ Million)
- Table 131: Global Singleturn Absolute Encoder Production Value Market Share by Application (2021-2026)
- Table 132: Global Singleturn Absolute Encoder Production Value Market Share by Application (2027-2032)
- Table 133: Global Singleturn Absolute Encoder Price by Application (2021-2026) & (USD/unit)
- Table 134: Global Singleturn Absolute Encoder Price by Application (2027-2032) & (USD/unit)
- Table 135: Key Raw Materials
- Table 136: Raw Materials Key Suppliers
- Table 137: Singleturn Absolute Encoder Distributors List
- Table 138: Singleturn Absolute Encoder Customers List
- Table 139: Singleturn Absolute Encoder Industry Trends
- Table 140: Singleturn Absolute Encoder Industry Drivers
- Table 141: Singleturn Absolute Encoder Industry Restraints
- Table 142: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Singleturn Absolute Encoder Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Absolute Magnetic Product Image
- Figure 7: Absolute Reflective Product Image
- Figure 8: Automotive Product Image
- Figure 9: Industrial Product Image
- Figure 10: Medical Product Image
- Figure 11: Others Product Image
- Figure 12: Global Singleturn Absolute Encoder Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 13: Global Singleturn Absolute Encoder Production Value (2021-2032) & (US\$ Million)
- Figure 14: Global Singleturn Absolute Encoder Production Capacity (2021-2032) & (k units)
- Figure 15: Global Singleturn Absolute Encoder Production (2021-2032) & (k units)
- Figure 16: Global Singleturn Absolute Encoder Average Price (USD/unit) & (2021-2032)
- Figure 17: Global Singleturn Absolute Encoder Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 18: Global Top 5 and 10 Singleturn Absolute Encoder Players Market Share by Production Value in 2025
- Figure 19: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 20: Global Singleturn Absolute Encoder Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 21: Global Singleturn Absolute Encoder Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 22: Global Singleturn Absolute Encoder Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)

- Figure 23: Global Singleturn Absolute Encoder Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 24: North America Singleturn Absolute Encoder Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 25: Europe Singleturn Absolute Encoder Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 26: China Singleturn Absolute Encoder Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: Japan Singleturn Absolute Encoder Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: South Korea Singleturn Absolute Encoder Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: Global Singleturn Absolute Encoder Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 30: Global Singleturn Absolute Encoder Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 31: North America Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 32: North America Singleturn Absolute Encoder Consumption Market Share by Country (2021-2032)
- Figure 33: United States Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 34: United States Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 35: Canada Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 36: Mexico Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 37: Europe Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 38: Europe Singleturn Absolute Encoder Consumption Market Share by Country (2021-2032)
- Figure 39: Germany Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 40: France Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 41: U.K. Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 42: Italy Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 43: Russia Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 44: Spain Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 45: Netherlands Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: Switzerland Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 47: Sweden Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: Poland Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 49: Asia Pacific Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 50: Asia Pacific Singleturn Absolute Encoder Consumption Market Share by Country (2021-2032)
- Figure 51: China Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: Japan Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: South Korea Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 54: India Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: Australia Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: Taiwan Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 57: Southeast Asia Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: South America, Middle East & Africa Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 59: South America, Middle East & Africa Singleturn Absolute Encoder Consumption Market Share by Country (2021-2032)
- Figure 60: Brazil Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: Argentina Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 62: Chile Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 63: Turkey Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 64: GCC Countries Singleturn Absolute Encoder Consumption and Growth Rate (2021-2032) & (k units)
- Figure 65: Global Singleturn Absolute Encoder Production Market Share by Type (2021-2032)
- Figure 66: Global Singleturn Absolute Encoder Production Value Market Share by Type (2021-2032)
- Figure 67: Global Singleturn Absolute Encoder Price (USD/unit) by Type (2021-2032)
- Figure 68: Global Singleturn Absolute Encoder Production Market Share by Application (2021-2032)
- Figure 69: Global Singleturn Absolute Encoder Production Value Market Share by Application (2021-2032)
- Figure 70: Global Singleturn Absolute Encoder Price (USD/unit) by Application (2021-2032)
- Figure 71: Singleturn Absolute Encoder Value Chain
- Figure 72: Singleturn Absolute Encoder Production Mode & Process
- Figure 73: Direct Comparison with Distribution Share
- Figure 74: Distributors Profiles
- Figure 75: Singleturn Absolute Encoder Industry Opportunities and Challenges