

Global Encoder IC Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Encoder IC market size will reach 574.41 Million USD in 2025 and is projected to reach 873.44 Million USD by 2032, with a CAGR of 6.17% (2025-2032). Notably, the China Encoder IC market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

An Encoder IC, short for Encoder Integrated Circuit, is an electronic device that is primarily used to convert mechanical motion or position into digital or analog signals. Encoders are often employed in various applications, including robotics, automation, and instrumentation, to measure and monitor the rotational or linear movement of a shaft or object. The Encoder IC typically includes sensors that detect changes in position and circuitry to process these changes into electrical signals, such as binary or Gray code, that represent the position. These signals can then be used for precise control, feedback, or data acquisition purposes, making Encoder ICs essential components in many motion control and sensing systems.

The major global manufacturers of Encoder IC include Broadcom, AMS, New Japan Radio, TE Connectivity, IC-Haus, SEIKO NPC, RLS, PREMA Semiconductor, Hamamatsu, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier

includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Encoder IC. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Encoder IC market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Encoder IC market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Encoder IC industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Encoder IC Include:

Broadcom

AMS

New Japan Radio

TE Connectivity

IC-Haus

SEIKO NPC

RLS

PREMA Semiconductor

Hamamatsu

Encoder IC Product Segment Include:

Magnetic Encoder IC

Optical Encoder IC

Encoder IC Product Application Include:

Healthcare

Machine Tool

Consumer Electronics

Assembly Equipment

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Encoder IC Industry PESTEL Analysis

Chapter 3: Global Encoder IC Industry Porter's Five Forces Analysis

Chapter 4: Global Encoder IC Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Encoder IC Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Encoder IC Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Encoder IC Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

Contents

1 ENCODER IC MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Encoder IC Product by Type
 - 1.2.1 Magnetic Encoder IC
 - 1.2.2 Optical Encoder IC
- 1.3 Encoder IC Product by Application
 - 1.3.1 Healthcare
 - 1.3.2 Machine Tool
 - 1.3.3 Consumer Electronics
 - 1.3.4 Assembly Equipment
 - 1.3.5 Others
- 1.4 Global Encoder IC Market Revenue and Sales Analysis
 - 1.4.1 Global Encoder IC Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Encoder IC Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Encoder IC Market Sales Price Trend Analysis (2020-2032)
- 1.5 Encoder IC Industry Trends and Innovation
 - 1.5.1 Encoder IC Industry Trends and Innovation
 - 1.5.2 Encoder IC Market Drivers and Challenges

2 ENCODER IC MARKET PESTEL ANALYSIS

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis
- 2.6 Legal Factors Analysis

3 ENCODER IC MARKET PORTER'S FIVE FORCES ANALYSIS

- 3.1 Competitive Rivalry
- 3.2 Threat of New Entrants
- 3.3 Bargaining Power of Suppliers
- 3.4 Bargaining Power of Buyers
- 3.5 Threat of Substitutes

4 GLOBAL ENCODER IC MARKET ANALYSIS BY REGIONS

- 4.1 Global Encoder IC Overall Market: 2024 VS 2025 VS 2032
- 4.2 Global Encoder IC Revenue and Forecast Analysis (2020-2032)
 - 4.2.1 Global Encoder IC Revenue and Market Share by Region (2020-2025)
 - 4.2.2 Global Encoder IC Revenue and Market Share Forecast by Region (2026-2032)
- 4.3 Global Encoder IC Sales and Forecast Analysis (2020-2032)
 - 4.3.1 Global Encoder IC Sales and Market Share by Region (2020-2025)
 - 4.3.2 Global Encoder IC Sales and Market Share Forecast by Region (2026-2032)
- 4.4 Global Encoder IC Sales Price Trend Analysis (2020-2032)

5 GLOBAL ENCODER IC MARKET SIZE BY TYPE AND APPLICATION

- 5.1 Global Encoder IC Market Size by Type
 - 5.1.1 Global Encoder IC Revenue and Forecast Analysis by Type (2020-2032)
 - 5.1.2 Global Encoder IC Sales and Forecast Analysis by Type (2020-2032)
- 5.2 Global Encoder IC Market Size by Application
 - 5.2.1 Global Encoder IC Revenue and Forecast Analysis by Application (2020-2032)
 - 5.2.2 Global Encoder IC Sales and Forecast Analysis by Application (2020-2032)

6 NORTH AMERICA

- 6.1 North America Encoder IC Market Size and Growth Rate Analysis (2020-2032)
- 6.2 North America Key Manufacturers Analysis
- 6.3 North America Encoder IC Market Size by Type
 - 6.3.1 North America Encoder IC Sales by Type (2020-2032)
 - 6.3.2 North America Encoder IC Revenue by Type (2020-2032)
- 6.4 North America Encoder IC Market Size by Application
 - 6.4.1 North America Encoder IC Sales by Application (2020-2032)
 - 6.4.2 North America Encoder IC Revenue by Application (2020-2032)
- 6.5 North America Encoder IC Market Size by Country
 - 6.5.1 US
 - 6.5.2 Canada

7 EUROPE

- 7.1 Europe Encoder IC Market Size and Growth Rate Analysis (2020-2032)
- 7.2 Europe Key Manufacturers Analysis
- 7.3 Europe Encoder IC Market Size by Type

- 7.3.1 Europe Encoder IC Sales by Type (2020-2032)
- 7.3.2 Europe Encoder IC Revenue by Type (2020-2032)
- 7.4 Europe Encoder IC Market Size by Application
 - 7.4.1 Europe Encoder IC Sales by Application (2020-2032)
 - 7.4.2 Europe Encoder IC Revenue by Application (2020-2032)
- 7.5 Europe Encoder IC Market Size by Country
 - 7.5.1 Germany
 - 7.5.2 France
 - 7.5.3 United Kingdom
 - 7.5.4 Italy
 - 7.5.5 Spain
 - 7.5.6 Benelux

8 CHINA

- 8.1 China Encoder IC Market Size and Growth Rate Analysis (2020-2032)
- 8.2 China Key Manufacturers Analysis
- 8.3 China Encoder IC Market Size by Type
 - 8.3.1 China Encoder IC Sales by Type (2020-2032)
 - 8.3.2 China Encoder IC Revenue by Type (2020-2032)
- 8.4 China Encoder IC Market Size by Application
 - 8.4.1 China Encoder IC Sales by Application (2020-2032)
 - 8.4.2 China Encoder IC Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

- 9.1 APAC (excl. China) Encoder IC Market Size and Growth Rate Analysis (2020-2032)
- 9.2 APAC (excl. China) Key Manufacturers Analysis
- 9.3 APAC (excl. China) Encoder IC Market Size by Type
 - 9.3.1 APAC (excl. China) Encoder IC Sales by Type (2020-2032)
 - 9.3.2 APAC (excl. China) Encoder IC Revenue by Type (2020-2032)
- 9.4 APAC (excl. China) Encoder IC Market Size by Application
 - 9.4.1 APAC (excl. China) Encoder IC Sales by Application (2020-2032)
 - 9.4.2 APAC (excl. China) Encoder IC Revenue by Application (2020-2032)
- 9.5 APAC (excl. China) Encoder IC Market Size by Country
 - 9.5.1 Japan
 - 9.5.2 South Korea
 - 9.5.3 India
 - 9.5.4 Australia

9.5.5 Southeast Asia

10 LATIN AMERICA

10.1 Latin America Encoder IC Market Size and Growth Rate Analysis (2020-2032)

10.2 Latin America Key Manufacturers Analysis

10.3 Latin America Encoder IC Market Size by Type

10.3.1 Latin America Encoder IC Sales by Type (2020-2032)

10.3.2 Latin America Encoder IC Revenue by Type (2020-2032)

10.4 Latin America Encoder IC Market Size by Application

10.4.1 Latin America Encoder IC Sales by Application (2020-2032)

10.4.2 Latin America Encoder IC Revenue by Application (2020-2032)

10.5 Latin America Encoder IC Market Size by Country

10.6 Latin America Encoder IC Market Size by Country

10.6.1 Mexico

10.6.2 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Encoder IC Market Size and Growth Rate Analysis (2020-2032)

11.2 Middle East & Africa Key Manufacturers Analysis

11.3 Middle East & Africa Encoder IC Market Size by Type

11.3.1 Middle East & Africa Encoder IC Sales by Type (2020-2032)

11.3.2 Middle East & Africa Encoder IC Revenue by Type (2020-2032)

11.4 Middle East & Africa Encoder IC Market Size by Application

11.4.1 Middle East & Africa Encoder IC Sales by Application (2020-2032)

11.4.2 Middle East & Africa Encoder IC Revenue by Application (2020-2032)

11.5 Middle East Encoder IC Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

12.1 Global Encoder IC Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Encoder IC Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Encoder IC Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Encoder IC Average Sales Price by Manufacturers (2021-2025)

12.2 Encoder IC Competitive Landscape Analysis and Market Dynamic

12.2.1 Encoder IC Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

13 KEY COMPANIES ANALYSIS

13.1 Broadcom

13.1.1 Broadcom Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.1.2 Broadcom Encoder IC Product Portfolio

13.1.3 Broadcom Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 AMS

13.2.1 AMS Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.2.2 AMS Encoder IC Product Portfolio

13.2.3 AMS Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 New Japan Radio

13.3.1 New Japan Radio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.3.2 New Japan Radio Encoder IC Product Portfolio

13.3.3 New Japan Radio Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 TE Connectivity

13.4.1 TE Connectivity Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.4.2 TE Connectivity Encoder IC Product Portfolio

13.4.3 TE Connectivity Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 IC-Haus

13.5.1 IC-Haus Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 IC-Haus Encoder IC Product Portfolio

13.5.3 IC-Haus Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 SEIKO NPC

13.6.1 SEIKO NPC Basic Company Profile (Employees, Areas Service, Competitors

and Contact Information)

13.6.2 SEIKO NPC Encoder IC Product Portfolio

13.6.3 SEIKO NPC Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 RLS

13.7.1 RLS Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.7.2 RLS Encoder IC Product Portfolio

13.7.3 RLS Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.8 PREMA Semiconductor

13.8.1 PREMA Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.8.2 PREMA Semiconductor Encoder IC Product Portfolio

13.8.3 PREMA Semiconductor Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.9 Hamamatsu

13.9.1 Hamamatsu Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.9.2 Hamamatsu Encoder IC Product Portfolio

13.9.3 Hamamatsu Encoder IC Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

14.1 Encoder IC Industry Chain Analysis

14.2 Encoder IC Industry Raw Material and Suppliers Analysis

14.2.1 Encoder IC Key Raw Material Supply Analysis

14.2.2 Raw Material Suppliers and Contact Information

14.3 Encoder IC Typical Downstream Customers

14.4 Encoder IC Sales Channel Analysis

15 RESEARCH FINDINGS AND CONCLUSION

16 METHODOLOGY AND DATA SOURCE

16.1 Methodology/Research Approach

16.2 Research Scope

16.3 Benchmarks and Assumptions

16.4 Date Source

16.4.1 Primary Sources

16.4.2 Secondary Sources

16.5 Data Cross Validation

16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Encoder IC Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Encoder IC Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Encoder IC Industry Development Status

Table 4: Encoder IC Industry Development Trends

Table 5: Global Encoder IC Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Encoder IC Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Encoder IC Revenue Market Share by Region (2020-2025)

Table 8: Global Encoder IC Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Encoder IC Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Encoder IC Sales by Region (2020-2025) & (M Unit)

Table 11: Global Encoder IC Sales Market Share by Region (2020-2025)

Table 12: Global Encoder IC Sales Forecast by Region (2026-2032) & (M Unit)

Table 13: Global Encoder IC Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Encoder IC Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Encoder IC Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Encoder IC Sales Analysis by Type (2020-2025) & (M Unit)

Table 17: Global Encoder IC Sales Analysis Forecast by Type (2026-2032) & (M Unit)

Table 18: Global Encoder IC Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Encoder IC Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)

Table 20: Global Encoder IC Sales Analysis by Application (2020-2025) & (M Unit)

Table 21: Global Encoder IC Sales Analysis Forecast by Application (2026-2032) & (M Unit)

Table 22: Key Encoder IC Players in North America

Table 23: North America Encoder IC Sales by Type (2020-2025) & (M Unit)

Table 24: North America Encoder IC Sales by Type (2026-2032) & (M Unit)

Table 25: North America Encoder IC Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Encoder IC Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Encoder IC Sales by Application (2020-2025) & (M Unit)

Table 28: North America Encoder IC Sales by Application (2026-2032) & (M Unit)

Table 29: North America Encoder IC Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Encoder IC Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Encoder IC Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Encoder IC Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Encoder IC Sales Market Size by Country (2020-2025) & (M Unit)

Table 34: North America Encoder IC Sales Market Size by Country (2026-2032) & (M Unit)

Table 35: Key Encoder IC Players in Europe

Table 36: Europe Encoder IC Sales by Type (2020-2025) & (M Unit)

Table 37: Europe Encoder IC Sales by Type (2026-2032) & (M Unit)

Table 38: Europe Encoder IC Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Encoder IC Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Encoder IC Sales by Application (2020-2025) & (M Unit)

Table 41: Europe Encoder IC Sales by Application (2026-2032) & (M Unit)

Table 42: Europe Encoder IC Revenue by Application (2020-2025) & (US\$ Million)

Table 43: Europe Encoder IC Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Encoder IC Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Encoder IC Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Encoder IC Sales Market Size by Country (2020-2025) & (M Unit)

Table 47: Europe Encoder IC Sales Market Size Forecast by Country (2026-2032) & (M Unit)

Table 48: Key Encoder IC Players in China

Table 49: China Encoder IC Sales by Type (2020-2025) & (M Unit)

Table 50: China Encoder IC Sales by Type (2026-2032) & (M Unit)

Table 51: China Encoder IC Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Encoder IC Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Encoder IC Sales by Application (2020-2025) & (M Unit)

Table 54: China Encoder IC Sales by Application (2026-2032) & (M Unit)

Table 55: China Encoder IC Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Encoder IC Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Encoder IC Players in APAC (excl. China)

Table 58: APAC (excl. China) Encoder IC Sales by Type (2020-2025) & (M Unit)

Table 59: APAC (excl. China) Encoder IC Sales by Type (2026-2032) & (M Unit)

Table 60: APAC (excl. China) Encoder IC Revenue by Type (2020-2025) & (US\$ Million)

Table 61: APAC (excl. China) Encoder IC Revenue by Type (2026-2032) & (US\$ Million)

Table 62: APAC (excl. China) Encoder IC Sales by Application (2020-2025) & (M Unit)

Table 63: APAC (excl. China) Encoder IC Sales by Application (2026-2032) & (M Unit)

Table 64: APAC (excl. China) Encoder IC Revenue by Application (2020-2025) & (US\$ Million)

Table 65: APAC (excl. China) Encoder IC Revenue by Application (2026-2032) & (US\$ Million)

Table 66: APAC (excl. China) Encoder IC Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 67: APAC (excl. China) Encoder IC Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 68: APAC (excl. China) Encoder IC Sales Market Size by Country (2020-2025) & (M Unit)

Table 69: APAC (excl. China) Encoder IC Sales Market Size Forecast by Country (2026-2032) & (M Unit)

Table 70: Key Encoder IC Players in Latin America

Table 71: Latin America Encoder IC Sales by Type (2020-2025) & (M Unit)

Table 72: Latin America Encoder IC Sales by Type (2026-2032) & (M Unit)

Table 73: Latin America Encoder IC Revenue by Type (2020-2025) & (US\$ Million)

Table 74: Latin America Encoder IC Revenue by Type (2026-2032) & (US\$ Million)

Table 75: Latin America Encoder IC Sales by Application (2020-2025) & (M Unit)

Table 76: Latin America Encoder IC Sales by Application (2026-2032) & (M Unit)

Table 77: Latin America Encoder IC Revenue by Application (2020-2025) & (US\$ Million)

Table 78: Latin America Encoder IC Revenue by Application (2026-2032) & (US\$ Million)

Table 79: Latin America Encoder IC Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Encoder IC Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Encoder IC Sales Market Size by Country (2020-2025) & (M Unit)

Table 82: Latin America Encoder IC Sales Market Size Forecast by Country (2026-2032) & (M Unit)

Table 83: Key Encoder IC Players in Middle East & Africa

- Table 84: Middle East & Africa Encoder IC Sales by Type (2020-2025) & (M Unit)
- Table 85: Middle East & Africa Encoder IC Sales by Type (2026-2032) & (M Unit)
- Table 86: Middle East & Africa Encoder IC Revenue by Type (2020-2025) & (US\$ Million)
- Table 87: Middle East & Africa Encoder IC Revenue by Type (2026-2032) & (US\$ Million)
- Table 88: Middle East & Africa Encoder IC Sales by Application (2020-2025) & (M Unit)
- Table 89: Middle East & Africa Encoder IC Sales by Application (2026-2032) & (M Unit)
- Table 90: Middle East & Africa Encoder IC Revenue by Application (2020-2025) & (US\$ Million)
- Table 91: Middle East & Africa Encoder IC Revenue by Application (2026-2032) & (US\$ Million)
- Table 92: Middle East & Africa Encoder IC Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 93: Middle East & Africa Encoder IC Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 94: Middle East & Africa Encoder IC Sales Market Size by Country (2020-2025) & (M Unit)
- Table 95: Middle East & Africa Encoder IC Sales Market Size Forecast by Country (2026-2032) & (M Unit)
- Table 96: Global Encoder IC Market Sales by Key Manufacturers (2021-2025) & (M Unit)
- Table 97: Global Encoder IC Sales Market Share by Key Manufacturers (2021-2025)
- Table 98: Global Encoder IC Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)
- Table 99: Global Encoder IC Revenue Market Share by Key Manufacturers (2021-2025)
- Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Unit)
- Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales
- Table 102: Market Mergers & Acquisitions, Expansion
- Table 103: Broadcom Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 104: Broadcom Encoder IC Product Portfolio
- Table 105: Broadcom Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 106: AMS Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 107: AMS Encoder IC Product Portfolio
- Table 108: AMS Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: New Japan Radio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: New Japan Radio Encoder IC Product Portfolio

Table 111: New Japan Radio Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 112: TE Connectivity Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: TE Connectivity Encoder IC Product Portfolio

Table 114: TE Connectivity Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 115: IC-Haus Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: IC-Haus Encoder IC Product Portfolio

Table 117: IC-Haus Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 118: SEIKO NPC Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: SEIKO NPC Encoder IC Product Portfolio

Table 120: SEIKO NPC Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 121: RLS Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: RLS Encoder IC Product Portfolio

Table 123: RLS Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: PREMA Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 125: PREMA Semiconductor Encoder IC Product Portfolio

Table 126: PREMA Semiconductor Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 127: Hamamatsu Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 128: Hamamatsu Encoder IC Product Portfolio

Table 129: Hamamatsu Encoder IC Revenue (US\$ Million), Sales (M Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 130: Upstream Key Raw Material Price List

Table 131: Encoder IC Raw Material Suppliers and Contact Information

Table 132: Encoder IC Typical Customer List

Table 133: Encoder IC Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Encoder IC Product Pictures

Figure 2: Magnetic Encoder IC Picture Scope

Figure 3: Optical Encoder IC Picture Scope

Figure 4: Healthcare Picture Scope

Figure 5: Machine Tool Picture Scope

Figure 6: Consumer Electronics Picture Scope

Figure 7: Assembly Equipment Picture Scope

Figure 8: Others Picture Scope

Figure 9: Global Encoder IC Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 10: Global Encoder IC Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 11: Global Encoder IC Market Sales and Growth Rate Analysis (2020-2032) & (M Unit)

Figure 12: Global Encoder IC Market Price Trend Analysis (2020-2032) & (USD/Unit)

Figure 13: Global Encoder IC Market Size by Region (2020-2032) & (US\$ Million)

Figure 14: Global Encoder IC Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 15: Global Encoder IC Sales Price by Region (2020-2032) & (M Unit)

Figure 16: North America Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 17: North America Encoder IC Revenue Market Share by Players in 2024

Figure 18: North America Encoder IC Sales Market Share by Type (2020-2032)

Figure 19: North America Encoder IC Revenue Market Share by Type (2020-2032)

Figure 20: North America Encoder IC Sales Market Share by Application (2020-2032)

Figure 21: North America Encoder IC Revenue Market Share by Application (2020-2032)

Figure 22: US Encoder IC Revenue (2020-2032) & (US\$ Million)

Figure 23: Canada Encoder IC Revenue (2020-2032) & (US\$ Million)

Figure 24: Europe Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 25: Europe Encoder IC Revenue Market Share by Players in 2024

Figure 26: Europe Encoder IC Sales Market Share by Type (2020-2032)

Figure 27: Europe Encoder IC Revenue Market Share by Type (2020-2032)

Figure 28: Europe Encoder IC Sales Market Share by Application (2020-2032)

Figure 29: Europe Encoder IC Revenue Market Share by Application (2020-2032)

Figure 30: Germany Encoder IC Revenue (2020-2032) & (US\$ Million)

- Figure 31:France Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 32:United Kingdom Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 33:Italy Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 34:Spain Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 35:Benelux Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 36:China Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 37:China Encoder IC Revenue Market Share by Players in 2024
- Figure 38:China Encoder IC Sales Market Share by Type (2020-2032)
- Figure 39:China Encoder IC Revenue Market Share by Type (2020-2032)
- Figure 40:China Encoder IC Sales Market Share by Application (2020-2032)
- Figure 41:China Encoder IC Revenue Market Share by Application (2020-2032)
- Figure 42:APAC (excl. China) Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 43:APAC (excl. China) Encoder IC Revenue Market Share by Players in 2024
- Figure 44:APAC (excl. China) Encoder IC Sales Market Share by Type (2020-2032)
- Figure 45:APAC (excl. China) Encoder IC Revenue Market Share by Type (2020-2032)
- Figure 46:APAC (excl. China) Encoder IC Sales Market Share by Application (2020-2032)
- Figure 47:APAC (excl. China) Encoder IC Revenue Market Share by Application (2020-2032)
- Figure 48:Japan Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 49:South Korea Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 50:India Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 51:Australia Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 52:Southeast Asia Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 53:Latin America Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 54:Latin America Encoder IC Revenue Market Share by Players in 2024
- Figure 55:Latin America Encoder IC Sales Market Share by Type (2020-2032)
- Figure 56:Latin America Encoder IC Revenue Market Share by Type (2020-2032)
- Figure 57:Latin America Encoder IC Sales Market Share by Application (2020-2032)
- Figure 58:Latin America Encoder IC Revenue Market Share by Application (2020-2032)
- Figure 59:Mexico Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 60:Brazil Encoder IC Revenue (2020-2032) & (US\$ Million)
- Figure 61:Middle East & Africa Encoder IC Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 62:Middle East & Africa Encoder IC Revenue Market Share by Players in 2024
- Figure 63:Middle East & Africa Encoder IC Sales Market Share by Type (2020-2032)
- Figure 64:Middle East & Africa Encoder IC Revenue Market Share by Type (2020-2032)

Figure 65: Middle East & Africa Encoder IC Sales Market Share by Application (2020-2032)

Figure 66: Middle East & Africa Encoder IC Revenue Market Share by Application (2020-2032)

Figure 67: Saudi Arabia Encoder IC Revenue (2020-2032) & (US\$ Million)

Figure 68: South Africa Encoder IC Revenue (2020-2032) & (US\$ Million)

Figure 69: Global Encoder IC Sales Market Share by Key Manufacturers in 2024

Figure 70: Global Encoder IC Revenue Market Share by Key Manufacturers in 2024

Figure 71: Global Encoder IC Industry Competition Landscape

Figure 72: Encoder IC Industry Chain Analysis

Figure 73: Bottom-Up and Top-Down Research Methods

Figure 74: Key Interview Objectives

Figure 75: Data Cross Validation

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