

Global Absolute Angle Encoder Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/AD3BA4F72548EN.html>

Date: July 2025

Pages: 119

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

ID: AD3BA4F72548EN

Abstracts

According to our (Global Info Research) latest study, the global Absolute Angle Encoder market size was valued at US\$ 486 million in 2024 and is forecast to a readjusted size of USD 646 million by 2031 with a CAGR of 4.2% during review period.

An absolute angle encoder is a type of rotary encoder that measures the absolute position or angle of a rotating object. It provides a unique digital code or value for each position, allowing for accurate and precise angle measurement.

Unlike incremental encoders that measure relative changes in position, absolute angle encoders provide a direct measurement of the absolute angle without the need for a reference point or reset. This makes them ideal for applications where maintaining position accuracy is critical, such as robotics, industrial automation, and precision machining.

Absolute angle encoders typically consist of a rotating disc or shaft with evenly spaced marks or codes, and a sensor that reads these codes to determine the absolute position. The sensor can be optical, magnetic, or capacitive, depending on the specific design.

The digital output of an absolute angle encoder can be in various formats, such as binary, Gray code, or BCD (binary-coded decimal). The resolution of the encoder, or the number of unique positions it can detect, depends on the number of codes or marks on the disc.

China's core angle encoder players include Heidenhain, Renishaw and Tamagawa

Seiki etc. The top 5 companies hold a share about 56% in China. East China has the largest sales market share in China with a share about 42%, followed by South China with a share about 23%. In terms of product, photoelectric encoder is the largest segment, with a share about 49%. And in terms of application, the largest application is machine tool with a share about 25%.

This report is a detailed and comprehensive analysis for global Absolute Angle Encoder market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Absolute Angle Encoder market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Absolute Angle Encoder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Absolute Angle Encoder market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Absolute Angle Encoder market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Absolute Angle Encoder
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Absolute Angle Encoder market based on the following parameters - company overview, sales quantity, revenue, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Renishaw, Heidenhain, Tamagawa Seiki, TURCK, ASM Automation Sensorik Messtechnik, BOGEN Magnetics, Shanghai Sibo M&E, TSM SENSORS, ANTRAKS, ELCO Industry Automation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Absolute Angle Encoder market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-turn Encoder

Multi-turn Encoder

Market segment by Application

Industrial

Optical

Major players covered

Renishaw

Heidenhain

Tamagawa Seiki

TURCK

ASM Automation Sensorik Messtechnik

BOGEN Magnetics

Shanghai Sibo M&E

TSM SENSORS

ANTRAKS

ELCO Industry Automation

DR. JOHANNES HEIDENHAIN

ELGO Electronic

Magnopol

Broadcom

Micro-Hybrid Electronic

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Absolute Angle Encoder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Absolute Angle Encoder, with price, sales quantity, revenue, and global market share of Absolute Angle Encoder from 2020 to 2025.

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

Chapter 4, the Absolute Angle Encoder breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Absolute Angle Encoder market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Absolute Angle Encoder.

Chapter 14 and 15, to describe Absolute Angle Encoder sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Absolute Angle Encoder Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Single-turn Encoder

1.3.3 Multi-turn Encoder

1.4 Market Analysis by Application

1.4.1 Overview: Global Absolute Angle Encoder Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Industrial

1.4.3 Optical

1.5 Global Absolute Angle Encoder Market Size & Forecast

1.5.1 Global Absolute Angle Encoder Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Absolute Angle Encoder Sales Quantity (2020-2031)

1.5.3 Global Absolute Angle Encoder Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Renishaw

2.1.1 Renishaw Details

2.1.2 Renishaw Major Business

2.1.3 Renishaw Absolute Angle Encoder Product and Services

2.1.4 Renishaw Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Renishaw Recent Developments/Updates

2.2 Heidenhain

2.2.1 Heidenhain Details

2.2.2 Heidenhain Major Business

2.2.3 Heidenhain Absolute Angle Encoder Product and Services

2.2.4 Heidenhain Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Heidenhain Recent Developments/Updates

2.3 Tamagawa Seiki

2.3.1 Tamagawa Seiki Details

- 2.3.2 Tamagawa Seiki Major Business
- 2.3.3 Tamagawa Seiki Absolute Angle Encoder Product and Services
- 2.3.4 Tamagawa Seiki Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Tamagawa Seiki Recent Developments/Updates
- 2.4 TURCK
 - 2.4.1 TURCK Details
 - 2.4.2 TURCK Major Business
 - 2.4.3 TURCK Absolute Angle Encoder Product and Services
 - 2.4.4 TURCK Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 TURCK Recent Developments/Updates
- 2.5 ASM Automation Sensorik Messtechnik
 - 2.5.1 ASM Automation Sensorik Messtechnik Details
 - 2.5.2 ASM Automation Sensorik Messtechnik Major Business
 - 2.5.3 ASM Automation Sensorik Messtechnik Absolute Angle Encoder Product and Services
 - 2.5.4 ASM Automation Sensorik Messtechnik Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 ASM Automation Sensorik Messtechnik Recent Developments/Updates
- 2.6 BOGEN Magnetics
 - 2.6.1 BOGEN Magnetics Details
 - 2.6.2 BOGEN Magnetics Major Business
 - 2.6.3 BOGEN Magnetics Absolute Angle Encoder Product and Services
 - 2.6.4 BOGEN Magnetics Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 BOGEN Magnetics Recent Developments/Updates
- 2.7 Shanghai Sibo M&E
 - 2.7.1 Shanghai Sibo M&E Details
 - 2.7.2 Shanghai Sibo M&E Major Business
 - 2.7.3 Shanghai Sibo M&E Absolute Angle Encoder Product and Services
 - 2.7.4 Shanghai Sibo M&E Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Shanghai Sibo M&E Recent Developments/Updates
- 2.8 TSM SENSORS
 - 2.8.1 TSM SENSORS Details
 - 2.8.2 TSM SENSORS Major Business
 - 2.8.3 TSM SENSORS Absolute Angle Encoder Product and Services
 - 2.8.4 TSM SENSORS Absolute Angle Encoder Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 TSM SENSORS Recent Developments/Updates

2.9 ANTRAKS

2.9.1 ANTRAKS Details

2.9.2 ANTRAKS Major Business

2.9.3 ANTRAKS Absolute Angle Encoder Product and Services

2.9.4 ANTRAKS Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 ANTRAKS Recent Developments/Updates

2.10 ELCO Industry Automation

2.10.1 ELCO Industry Automation Details

2.10.2 ELCO Industry Automation Major Business

2.10.3 ELCO Industry Automation Absolute Angle Encoder Product and Services

2.10.4 ELCO Industry Automation Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 ELCO Industry Automation Recent Developments/Updates

2.11 DR. JOHANNES HEIDENHAIN

2.11.1 DR. JOHANNES HEIDENHAIN Details

2.11.2 DR. JOHANNES HEIDENHAIN Major Business

2.11.3 DR. JOHANNES HEIDENHAIN Absolute Angle Encoder Product and Services

2.11.4 DR. JOHANNES HEIDENHAIN Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 DR. JOHANNES HEIDENHAIN Recent Developments/Updates

2.12 ELGO Electronic

2.12.1 ELGO Electronic Details

2.12.2 ELGO Electronic Major Business

2.12.3 ELGO Electronic Absolute Angle Encoder Product and Services

2.12.4 ELGO Electronic Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 ELGO Electronic Recent Developments/Updates

2.13 Magnopol

2.13.1 Magnopol Details

2.13.2 Magnopol Major Business

2.13.3 Magnopol Absolute Angle Encoder Product and Services

2.13.4 Magnopol Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Magnopol Recent Developments/Updates

2.14 Broadcom

2.14.1 Broadcom Details

- 2.14.2 Broadcom Major Business
- 2.14.3 Broadcom Absolute Angle Encoder Product and Services
- 2.14.4 Broadcom Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 Broadcom Recent Developments/Updates
- 2.15 Micro-Hybrid Electronic
 - 2.15.1 Micro-Hybrid Electronic Details
 - 2.15.2 Micro-Hybrid Electronic Major Business
 - 2.15.3 Micro-Hybrid Electronic Absolute Angle Encoder Product and Services
 - 2.15.4 Micro-Hybrid Electronic Absolute Angle Encoder Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Micro-Hybrid Electronic Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ABSOLUTE ANGLE ENCODER BY MANUFACTURER

- 3.1 Global Absolute Angle Encoder Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Absolute Angle Encoder Revenue by Manufacturer (2020-2025)
- 3.3 Global Absolute Angle Encoder Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Absolute Angle Encoder by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Absolute Angle Encoder Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Absolute Angle Encoder Manufacturer Market Share in 2024
- 3.5 Absolute Angle Encoder Market: Overall Company Footprint Analysis
 - 3.5.1 Absolute Angle Encoder Market: Region Footprint
 - 3.5.2 Absolute Angle Encoder Market: Company Product Type Footprint
 - 3.5.3 Absolute Angle Encoder Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Absolute Angle Encoder Market Size by Region
 - 4.1.1 Global Absolute Angle Encoder Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Absolute Angle Encoder Consumption Value by Region (2020-2031)
 - 4.1.3 Global Absolute Angle Encoder Average Price by Region (2020-2031)
- 4.2 North America Absolute Angle Encoder Consumption Value (2020-2031)
- 4.3 Europe Absolute Angle Encoder Consumption Value (2020-2031)

- 4.4 Asia-Pacific Absolute Angle Encoder Consumption Value (2020-2031)
- 4.5 South America Absolute Angle Encoder Consumption Value (2020-2031)
- 4.6 Middle East & Africa Absolute Angle Encoder Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Absolute Angle Encoder Sales Quantity by Type (2020-2031)
- 5.2 Global Absolute Angle Encoder Consumption Value by Type (2020-2031)
- 5.3 Global Absolute Angle Encoder Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Absolute Angle Encoder Sales Quantity by Application (2020-2031)
- 6.2 Global Absolute Angle Encoder Consumption Value by Application (2020-2031)
- 6.3 Global Absolute Angle Encoder Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Absolute Angle Encoder Sales Quantity by Type (2020-2031)
- 7.2 North America Absolute Angle Encoder Sales Quantity by Application (2020-2031)
- 7.3 North America Absolute Angle Encoder Market Size by Country
 - 7.3.1 North America Absolute Angle Encoder Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Absolute Angle Encoder Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Absolute Angle Encoder Sales Quantity by Type (2020-2031)
- 8.2 Europe Absolute Angle Encoder Sales Quantity by Application (2020-2031)
- 8.3 Europe Absolute Angle Encoder Market Size by Country
 - 8.3.1 Europe Absolute Angle Encoder Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Absolute Angle Encoder Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Absolute Angle Encoder Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Absolute Angle Encoder Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Absolute Angle Encoder Market Size by Region

9.3.1 Asia-Pacific Absolute Angle Encoder Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Absolute Angle Encoder Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Absolute Angle Encoder Sales Quantity by Type (2020-2031)

10.2 South America Absolute Angle Encoder Sales Quantity by Application (2020-2031)

10.3 South America Absolute Angle Encoder Market Size by Country

10.3.1 South America Absolute Angle Encoder Sales Quantity by Country (2020-2031)

10.3.2 South America Absolute Angle Encoder Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Absolute Angle Encoder Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Absolute Angle Encoder Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Absolute Angle Encoder Market Size by Country

11.3.1 Middle East & Africa Absolute Angle Encoder Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Absolute Angle Encoder Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Absolute Angle Encoder Market Drivers

12.2 Absolute Angle Encoder Market Restraints

12.3 Absolute Angle Encoder Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Absolute Angle Encoder and Key Manufacturers

13.2 Manufacturing Costs Percentage of Absolute Angle Encoder

13.3 Absolute Angle Encoder Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Absolute Angle Encoder Typical Distributors

14.3 Absolute Angle Encoder Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Absolute Angle Encoder Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Absolute Angle Encoder Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Renishaw Basic Information, Manufacturing Base and Competitors

Table 4. Renishaw Major Business

Table 5. Renishaw Absolute Angle Encoder Product and Services

Table 6. Renishaw Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Renishaw Recent Developments/Updates

Table 8. Heidenhain Basic Information, Manufacturing Base and Competitors

Table 9. Heidenhain Major Business

Table 10. Heidenhain Absolute Angle Encoder Product and Services

Table 11. Heidenhain Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Heidenhain Recent Developments/Updates

Table 13. Tamagawa Seiki Basic Information, Manufacturing Base and Competitors

Table 14. Tamagawa Seiki Major Business

Table 15. Tamagawa Seiki Absolute Angle Encoder Product and Services

Table 16. Tamagawa Seiki Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Tamagawa Seiki Recent Developments/Updates

Table 18. TURCK Basic Information, Manufacturing Base and Competitors

Table 19. TURCK Major Business

Table 20. TURCK Absolute Angle Encoder Product and Services

Table 21. TURCK Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. TURCK Recent Developments/Updates

Table 23. ASM Automation Sensorik Messtechnik Basic Information, Manufacturing Base and Competitors

Table 24. ASM Automation Sensorik Messtechnik Major Business

Table 25. ASM Automation Sensorik Messtechnik Absolute Angle Encoder Product and Services

Table 26. ASM Automation Sensorik Messtechnik Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and

Market Share (2020-2025)

Table 27. ASM Automation Sensorik Messtechnik Recent Developments/Updates

Table 28. BOGEN Magnetix Basic Information, Manufacturing Base and Competitors

Table 29. BOGEN Magnetix Major Business

Table 30. BOGEN Magnetix Absolute Angle Encoder Product and Services

Table 31. BOGEN Magnetix Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. BOGEN Magnetix Recent Developments/Updates

Table 33. Shanghai Sibo M&E Basic Information, Manufacturing Base and Competitors

Table 34. Shanghai Sibo M&E Major Business

Table 35. Shanghai Sibo M&E Absolute Angle Encoder Product and Services

Table 36. Shanghai Sibo M&E Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Shanghai Sibo M&E Recent Developments/Updates

Table 38. TSM SENSORS Basic Information, Manufacturing Base and Competitors

Table 39. TSM SENSORS Major Business

Table 40. TSM SENSORS Absolute Angle Encoder Product and Services

Table 41. TSM SENSORS Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. TSM SENSORS Recent Developments/Updates

Table 43. ANTRAKS Basic Information, Manufacturing Base and Competitors

Table 44. ANTRAKS Major Business

Table 45. ANTRAKS Absolute Angle Encoder Product and Services

Table 46. ANTRAKS Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. ANTRAKS Recent Developments/Updates

Table 48. ELCO Industry Automation Basic Information, Manufacturing Base and Competitors

Table 49. ELCO Industry Automation Major Business

Table 50. ELCO Industry Automation Absolute Angle Encoder Product and Services

Table 51. ELCO Industry Automation Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. ELCO Industry Automation Recent Developments/Updates

Table 53. DR. JOHANNES HEIDENHAIN Basic Information, Manufacturing Base and Competitors

Table 54. DR. JOHANNES HEIDENHAIN Major Business

Table 55. DR. JOHANNES HEIDENHAIN Absolute Angle Encoder Product and Services

Table 56. DR. JOHANNES HEIDENHAIN Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. DR. JOHANNES HEIDENHAIN Recent Developments/Updates

Table 58. ELGO Electronic Basic Information, Manufacturing Base and Competitors

Table 59. ELGO Electronic Major Business

Table 60. ELGO Electronic Absolute Angle Encoder Product and Services

Table 61. ELGO Electronic Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. ELGO Electronic Recent Developments/Updates

Table 63. Magnopol Basic Information, Manufacturing Base and Competitors

Table 64. Magnopol Major Business

Table 65. Magnopol Absolute Angle Encoder Product and Services

Table 66. Magnopol Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Magnopol Recent Developments/Updates

Table 68. Broadcom Basic Information, Manufacturing Base and Competitors

Table 69. Broadcom Major Business

Table 70. Broadcom Absolute Angle Encoder Product and Services

Table 71. Broadcom Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Broadcom Recent Developments/Updates

Table 73. Micro-Hybrid Electronic Basic Information, Manufacturing Base and Competitors

Table 74. Micro-Hybrid Electronic Major Business

Table 75. Micro-Hybrid Electronic Absolute Angle Encoder Product and Services

Table 76. Micro-Hybrid Electronic Absolute Angle Encoder Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Micro-Hybrid Electronic Recent Developments/Updates

Table 78. Global Absolute Angle Encoder Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 79. Global Absolute Angle Encoder Revenue by Manufacturer (2020-2025) & (USD Million)

Table 80. Global Absolute Angle Encoder Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Absolute Angle Encoder, (Tier 1, Tier 2,

and Tier 3), Based on Revenue in 2024

Table 82. Head Office and Absolute Angle Encoder Production Site of Key Manufacturer

Table 83. Absolute Angle Encoder Market: Company Product Type Footprint

Table 84. Absolute Angle Encoder Market: Company Product Application Footprint

Table 85. Absolute Angle Encoder New Market Entrants and Barriers to Market Entry

Table 86. Absolute Angle Encoder Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Absolute Angle Encoder Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 88. Global Absolute Angle Encoder Sales Quantity by Region (2020-2025) & (K Units)

Table 89. Global Absolute Angle Encoder Sales Quantity by Region (2026-2031) & (K Units)

Table 90. Global Absolute Angle Encoder Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global Absolute Angle Encoder Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global Absolute Angle Encoder Average Price by Region (2020-2025) & (US\$/Unit)

Table 93. Global Absolute Angle Encoder Average Price by Region (2026-2031) & (US\$/Unit)

Table 94. Global Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 95. Global Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 96. Global Absolute Angle Encoder Consumption Value by Type (2020-2025) & (USD Million)

Table 97. Global Absolute Angle Encoder Consumption Value by Type (2026-2031) & (USD Million)

Table 98. Global Absolute Angle Encoder Average Price by Type (2020-2025) & (US\$/Unit)

Table 99. Global Absolute Angle Encoder Average Price by Type (2026-2031) & (US\$/Unit)

Table 100. Global Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 101. Global Absolute Angle Encoder Sales Quantity by Application (2026-2031) & (K Units)

Table 102. Global Absolute Angle Encoder Consumption Value by Application

(2020-2025) & (USD Million)

Table 103. Global Absolute Angle Encoder Consumption Value by Application

(2026-2031) & (USD Million)

Table 104. Global Absolute Angle Encoder Average Price by Application (2020-2025) & (US\$/Unit)

Table 105. Global Absolute Angle Encoder Average Price by Application (2026-2031) & (US\$/Unit)

Table 106. North America Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 107. North America Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 108. North America Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 109. North America Absolute Angle Encoder Sales Quantity by Application (2026-2031) & (K Units)

Table 110. North America Absolute Angle Encoder Sales Quantity by Country (2020-2025) & (K Units)

Table 111. North America Absolute Angle Encoder Sales Quantity by Country (2026-2031) & (K Units)

Table 112. North America Absolute Angle Encoder Consumption Value by Country (2020-2025) & (USD Million)

Table 113. North America Absolute Angle Encoder Consumption Value by Country (2026-2031) & (USD Million)

Table 114. Europe Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 115. Europe Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 116. Europe Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 117. Europe Absolute Angle Encoder Sales Quantity by Application (2026-2031) & (K Units)

Table 118. Europe Absolute Angle Encoder Sales Quantity by Country (2020-2025) & (K Units)

Table 119. Europe Absolute Angle Encoder Sales Quantity by Country (2026-2031) & (K Units)

Table 120. Europe Absolute Angle Encoder Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe Absolute Angle Encoder Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 123. Asia-Pacific Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 124. Asia-Pacific Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 125. Asia-Pacific Absolute Angle Encoder Sales Quantity by Application (2026-2031) & (K Units)

Table 126. Asia-Pacific Absolute Angle Encoder Sales Quantity by Region (2020-2025) & (K Units)

Table 127. Asia-Pacific Absolute Angle Encoder Sales Quantity by Region (2026-2031) & (K Units)

Table 128. Asia-Pacific Absolute Angle Encoder Consumption Value by Region (2020-2025) & (USD Million)

Table 129. Asia-Pacific Absolute Angle Encoder Consumption Value by Region (2026-2031) & (USD Million)

Table 130. South America Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 131. South America Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 132. South America Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 133. South America Absolute Angle Encoder Sales Quantity by Application (2026-2031) & (K Units)

Table 134. South America Absolute Angle Encoder Sales Quantity by Country (2020-2025) & (K Units)

Table 135. South America Absolute Angle Encoder Sales Quantity by Country (2026-2031) & (K Units)

Table 136. South America Absolute Angle Encoder Consumption Value by Country (2020-2025) & (USD Million)

Table 137. South America Absolute Angle Encoder Consumption Value by Country (2026-2031) & (USD Million)

Table 138. Middle East & Africa Absolute Angle Encoder Sales Quantity by Type (2020-2025) & (K Units)

Table 139. Middle East & Africa Absolute Angle Encoder Sales Quantity by Type (2026-2031) & (K Units)

Table 140. Middle East & Africa Absolute Angle Encoder Sales Quantity by Application (2020-2025) & (K Units)

Table 141. Middle East & Africa Absolute Angle Encoder Sales Quantity by Application

(2026-2031) & (K Units)

Table 142. Middle East & Africa Absolute Angle Encoder Sales Quantity by Country
(2020-2025) & (K Units)

Table 143. Middle East & Africa Absolute Angle Encoder Sales Quantity by Country
(2026-2031) & (K Units)

Table 144. Middle East & Africa Absolute Angle Encoder Consumption Value by
Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa Absolute Angle Encoder Consumption Value by
Country (2026-2031) & (USD Million)

Table 146. Absolute Angle Encoder Raw Material

Table 147. Key Manufacturers of Absolute Angle Encoder Raw Materials

Table 148. Absolute Angle Encoder Typical Distributors

Table 149. Absolute Angle Encoder Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Absolute Angle Encoder Picture
- Figure 2. Global Absolute Angle Encoder Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Absolute Angle Encoder Revenue Market Share by Type in 2024
- Figure 4. Single-turn Encoder Examples
- Figure 5. Multi-turn Encoder Examples
- Figure 6. Global Absolute Angle Encoder Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Absolute Angle Encoder Revenue Market Share by Application in 2024
- Figure 8. Industrial Examples
- Figure 9. Optical Examples
- Figure 10. Global Absolute Angle Encoder Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 11. Global Absolute Angle Encoder Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 12. Global Absolute Angle Encoder Sales Quantity (2020-2031) & (K Units)
- Figure 13. Global Absolute Angle Encoder Price (2020-2031) & (US\$/Unit)
- Figure 14. Global Absolute Angle Encoder Sales Quantity Market Share by Manufacturer in 2024
- Figure 15. Global Absolute Angle Encoder Revenue Market Share by Manufacturer in 2024
- Figure 16. Producer Shipments of Absolute Angle Encoder by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 17. Top 3 Absolute Angle Encoder Manufacturer (Revenue) Market Share in 2024
- Figure 18. Top 6 Absolute Angle Encoder Manufacturer (Revenue) Market Share in 2024
- Figure 19. Global Absolute Angle Encoder Sales Quantity Market Share by Region (2020-2031)
- Figure 20. Global Absolute Angle Encoder Consumption Value Market Share by Region (2020-2031)
- Figure 21. North America Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)
- Figure 22. Europe Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 23. Asia-Pacific Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 24. South America Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 25. Middle East & Africa Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 26. Global Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 27. Global Absolute Angle Encoder Consumption Value Market Share by Type (2020-2031)

Figure 28. Global Absolute Angle Encoder Average Price by Type (2020-2031) & (US\$/Unit)

Figure 29. Global Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 30. Global Absolute Angle Encoder Revenue Market Share by Application (2020-2031)

Figure 31. Global Absolute Angle Encoder Average Price by Application (2020-2031) & (US\$/Unit)

Figure 32. North America Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 33. North America Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 34. North America Absolute Angle Encoder Sales Quantity Market Share by Country (2020-2031)

Figure 35. North America Absolute Angle Encoder Consumption Value Market Share by Country (2020-2031)

Figure 36. United States Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 37. Canada Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 38. Mexico Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 39. Europe Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 40. Europe Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 41. Europe Absolute Angle Encoder Sales Quantity Market Share by Country (2020-2031)

Figure 42. Europe Absolute Angle Encoder Consumption Value Market Share by

Country (2020-2031)

Figure 43. Germany Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 44. France Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 45. United Kingdom Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 46. Russia Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 47. Italy Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 48. Asia-Pacific Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 49. Asia-Pacific Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 50. Asia-Pacific Absolute Angle Encoder Sales Quantity Market Share by Region (2020-2031)

Figure 51. Asia-Pacific Absolute Angle Encoder Consumption Value Market Share by Region (2020-2031)

Figure 52. China Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 53. Japan Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 54. South Korea Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 55. India Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 56. Southeast Asia Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 57. Australia Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 58. South America Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 59. South America Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 60. South America Absolute Angle Encoder Sales Quantity Market Share by Country (2020-2031)

Figure 61. South America Absolute Angle Encoder Consumption Value Market Share by Country (2020-2031)

Figure 62. Brazil Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 63. Argentina Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 64. Middle East & Africa Absolute Angle Encoder Sales Quantity Market Share by Type (2020-2031)

Figure 65. Middle East & Africa Absolute Angle Encoder Sales Quantity Market Share by Application (2020-2031)

Figure 66. Middle East & Africa Absolute Angle Encoder Sales Quantity Market Share by Country (2020-2031)

Figure 67. Middle East & Africa Absolute Angle Encoder Consumption Value Market Share by Country (2020-2031)

Figure 68. Turkey Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 69. Egypt Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 70. Saudi Arabia Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 71. South Africa Absolute Angle Encoder Consumption Value (2020-2031) & (USD Million)

Figure 72. Absolute Angle Encoder Market Drivers

Figure 73. Absolute Angle Encoder Market Restraints

Figure 74. Absolute Angle Encoder Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of Absolute Angle Encoder in 2024

Figure 77. Manufacturing Process Analysis of Absolute Angle Encoder

Figure 78. Absolute Angle Encoder Industrial Chain

Figure 79. Sales Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source

I would like to order

Product name: Global Absolute Angle Encoder Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/AD3BA4F72548EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AD3BA4F72548EN.html>