

Global Angle Encoders Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Angle Encoders market size will reach 874.58 Million USD in 2025 and is projected to reach 1,296.06 Million USD by 2032, with a CAGR of 5.78% (2025-2032). Notably, the China Angle Encoders 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

Angle encoders are devices that are used to measure the rotation angle of an object or shaft. They provide information about the angle and direction of rotation, with high precision and accuracy. Angle encoders may use different technologies, such as optical, magnetic, or capacitive sensors, to detect changes in the position of the object. They are commonly used in industrial machines, robotics, and automation systems, where precise motion control is required. Angle encoders can also be integrated with control systems and software to enable real-time monitoring and feedback for improved performance.

The major global manufacturers of Angle Encoders include Heidenhain, AVL, Celera Motion, Zettlex, Hohner, HAWE Group, Asm-sensor, HARTING Technology Group, FAGOR AUTOMATION, FCR Motion Technology Pty. Ltd, Laser Technology, ORLIN Technologies, Staehle Precision, Heason Technology, TJR Precision Technology, ASM En, OMEGA Engineering, 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 Angle Encoders. 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 Angle Encoders 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 Angle Encoders 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 Angle Encoders 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 Angle Encoders Include:

Heidenhain

AVL

Celera Motion

Zettlex

Hohner

HAWE Group

Asm-sensor

HARTING Technology Group

FAGOR AUTOMATION

FCR Motion Technology Pty. Ltd

Laser Technology

ORLIN Technologies

Staeble Precision

Heason Technology

TJR Precision Technology

ASM En

OMEGA Engineering

Angle Encoders Product Segment Include:

Absolute Encoders

Incremental Encoders

Angle Encoders Product Application Include:

Machine Tools

Consumer Electronics

Assembly Equipment

Other

Chapter Scope

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

Chapter 2: Global Angle Encoders Industry PESTEL Analysis

Chapter 3: Global Angle Encoders Industry Porter's Five Forces Analysis

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

Chapter 5: Global Angle Encoders Market Size and Forecast by Type and Application Analysis

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

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

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

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

Chapter 10: Latin America Angle Encoders Competitive Analysis (Market Size, Key

Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

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

Chapter 12: Global Angle Encoders 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 ANGLE ENCODERS MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Angle Encoders Product by Type
 - 1.2.1 Absolute Encoders
 - 1.2.2 Incremental Encoders
- 1.3 Angle Encoders Product by Application
 - 1.3.1 Machine Tools
 - 1.3.2 Consumer Electronics
 - 1.3.3 Assembly Equipment
 - 1.3.4 Other
- 1.4 Global Angle Encoders Market Revenue and Sales Analysis
 - 1.4.1 Global Angle Encoders Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Angle Encoders Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Angle Encoders Market Sales Price Trend Analysis (2020-2032)
- 1.5 Angle Encoders Industry Trends and Innovation
 - 1.5.1 Angle Encoders Industry Trends and Innovation
 - 1.5.2 Angle Encoders Market Drivers and Challenges

2 ANGLE ENCODERS 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 ANGLE ENCODERS 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 ANGLE ENCODERS MARKET ANALYSIS BY REGIONS

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

5 GLOBAL ANGLE ENCODERS MARKET SIZE BY TYPE AND APPLICATION

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

6 NORTH AMERICA

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

7 EUROPE

- 7.1 Europe Angle Encoders Market Size and Growth Rate Analysis (2020-2032)
- 7.2 Europe Key Manufacturers Analysis

7.3 Europe Angle Encoders Market Size by Type

7.3.1 Europe Angle Encoders Sales by Type (2020-2032)

7.3.2 Europe Angle Encoders Revenue by Type (2020-2032)

7.4 Europe Angle Encoders Market Size by Application

7.4.1 Europe Angle Encoders Sales by Application (2020-2032)

7.4.2 Europe Angle Encoders Revenue by Application (2020-2032)

7.5 Europe Angle Encoders 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 Angle Encoders Market Size and Growth Rate Analysis (2020-2032)

8.2 China Key Manufacturers Analysis

8.3 China Angle Encoders Market Size by Type

8.3.1 China Angle Encoders Sales by Type (2020-2032)

8.3.2 China Angle Encoders Revenue by Type (2020-2032)

8.4 China Angle Encoders Market Size by Application

8.4.1 China Angle Encoders Sales by Application (2020-2032)

8.4.2 China Angle Encoders Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

9.1 APAC (excl. China) Angle Encoders Market Size and Growth Rate Analysis (2020-2032)

9.2 APAC (excl. China) Key Manufacturers Analysis

9.3 APAC (excl. China) Angle Encoders Market Size by Type

9.3.1 APAC (excl. China) Angle Encoders Sales by Type (2020-2032)

9.3.2 APAC (excl. China) Angle Encoders Revenue by Type (2020-2032)

9.4 APAC (excl. China) Angle Encoders Market Size by Application

9.4.1 APAC (excl. China) Angle Encoders Sales by Application (2020-2032)

9.4.2 APAC (excl. China) Angle Encoders Revenue by Application (2020-2032)

9.5 APAC (excl. China) Angle Encoders 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 Angle Encoders Market Size and Growth Rate Analysis (2020-2032)
- 10.2 Latin America Key Manufacturers Analysis
- 10.3 Latin America Angle Encoders Market Size by Type
 - 10.3.1 Latin America Angle Encoders Sales by Type (2020-2032)
 - 10.3.2 Latin America Angle Encoders Revenue by Type (2020-2032)
- 10.4 Latin America Angle Encoders Market Size by Application
 - 10.4.1 Latin America Angle Encoders Sales by Application (2020-2032)
 - 10.4.2 Latin America Angle Encoders Revenue by Application (2020-2032)
- 10.5 Latin America Angle Encoders Market Size by Country
- 10.6 Latin America Angle Encoders Market Size by Country
 - 10.6.1 Mexico
 - 10.6.2 Brazil

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Angle Encoders Market Size and Growth Rate Analysis (2020-2032)
- 11.2 Middle East & Africa Key Manufacturers Analysis
- 11.3 Middle East & Africa Angle Encoders Market Size by Type
 - 11.3.1 Middle East & Africa Angle Encoders Sales by Type (2020-2032)
 - 11.3.2 Middle East & Africa Angle Encoders Revenue by Type (2020-2032)
- 11.4 Middle East & Africa Angle Encoders Market Size by Application
 - 11.4.1 Middle East & Africa Angle Encoders Sales by Application (2020-2032)
 - 11.4.2 Middle East & Africa Angle Encoders Revenue by Application (2020-2032)
- 11.5 Middle East Angle Encoders Market Size by Country
 - 11.5.1 Saudi Arabia
 - 11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

- 12.1 Global Angle Encoders Market Sales, Revenue and Price by Key Manufacturers (2021-2025)
 - 12.1.1 Global Angle Encoders Market Sales by Key Manufacturers (2021-2025)

- 12.1.2 Global Angle Encoders Market Revenue by Key Manufacturers (2021-2025)
- 12.1.3 Global Angle Encoders Average Sales Price by Manufacturers (2021-2025)
- 12.2 Angle Encoders Competitive Landscape Analysis and Market Dynamic
 - 12.2.1 Angle Encoders 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 Heidenhain

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

13.1.2 Heidenhain Angle Encoders Product Portfolio

13.1.3 Heidenhain Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 AVL

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

13.2.2 AVL Angle Encoders Product Portfolio

13.2.3 AVL Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 Celera Motion

13.3.1 Celera Motion Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.3.2 Celera Motion Angle Encoders Product Portfolio

13.3.3 Celera Motion Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 Zettlex

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

13.4.2 Zettlex Angle Encoders Product Portfolio

13.4.3 Zettlex Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 Hohner

13.5.1 Hohner Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 Hohner Angle Encoders Product Portfolio

13.5.3 Hohner Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 HAWE Group

13.6.1 HAWE Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.6.2 HAWE Group Angle Encoders Product Portfolio

13.6.3 HAWE Group Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 Asm-sensor

13.7.1 Asm-sensor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.7.2 Asm-sensor Angle Encoders Product Portfolio

13.7.3 Asm-sensor Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.8 HARTING Technology Group

13.8.1 HARTING Technology Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.8.2 HARTING Technology Group Angle Encoders Product Portfolio

13.8.3 HARTING Technology Group Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.9 FAGOR AUTOMATION

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

13.9.2 FAGOR AUTOMATION Angle Encoders Product Portfolio

13.9.3 FAGOR AUTOMATION Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.10 FCR Motion Technology Pty. Ltd

13.10.1 FCR Motion Technology Pty. Ltd Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.10.2 FCR Motion Technology Pty. Ltd Angle Encoders Product Portfolio

13.10.3 FCR Motion Technology Pty. Ltd Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.11 Laser Technology

13.11.1 Laser Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.11.2 Laser Technology Angle Encoders Product Portfolio

13.11.3 Laser Technology Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.12 ORLIN Technologies

13.12.1 ORLIN Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- 13.12.2 ORLIN Technologies Angle Encoders Product Portfolio
- 13.12.3 ORLIN Technologies Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.13 Staehle Precision
 - 13.13.1 Staehle Precision Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.13.2 Staehle Precision Angle Encoders Product Portfolio
 - 13.13.3 Staehle Precision Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.14 Heason Technology
 - 13.14.1 Heason Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.14.2 Heason Technology Angle Encoders Product Portfolio
 - 13.14.3 Heason Technology Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.15 TJR Precision Technology
 - 13.15.1 TJR Precision Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.15.2 TJR Precision Technology Angle Encoders Product Portfolio
 - 13.15.3 TJR Precision Technology Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.16 ASM En
 - 13.16.1 ASM En Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.16.2 ASM En Angle Encoders Product Portfolio
 - 13.16.3 ASM En Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.17 OMEGA Engineering
 - 13.17.1 OMEGA Engineering Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.17.2 OMEGA Engineering Angle Encoders Product Portfolio
 - 13.17.3 OMEGA Engineering Angle Encoders Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

- 14.1 Angle Encoders Industry Chain Analysis
- 14.2 Angle Encoders Industry Raw Material and Suppliers Analysis
 - 14.2.1 Angle Encoders Key Raw Material Supply Analysis

- 14.2.2 Raw Material Suppliers and Contact Information
- 14.3 Angle Encoders Typical Downstream Customers
- 14.4 Angle Encoders 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 Data 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 Angle Encoders Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

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

Table 3: Angle Encoders Industry Development Status

Table 4: Angle Encoders Industry Development Trends

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

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

Table 7: Global Angle Encoders Revenue Market Share by Region (2020-2025)

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

Table 9: Global Angle Encoders Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Angle Encoders Sales by Region (2020-2025) & (K Unit)

Table 11: Global Angle Encoders Sales Market Share by Region (2020-2025)

Table 12: Global Angle Encoders Sales Forecast by Region (2026-2032) & (K Unit)

Table 13: Global Angle Encoders Sales Market Share Forecast by Region (2026-2032)

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

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

Table 16: Global Angle Encoders Sales Analysis by Type (2020-2025) & (K Unit)

Table 17: Global Angle Encoders Sales Analysis Forecast by Type (2026-2032) & (K Unit)

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

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

Table 20: Global Angle Encoders Sales Analysis by Application (2020-2025) & (K Unit)

Table 21: Global Angle Encoders Sales Analysis Forecast by Application (2026-2032) & (K Unit)

Table 22: Key Angle Encoders Players in North America

Table 23: North America Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 24: North America Angle Encoders Sales by Type (2026-2032) & (K Unit)

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

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

Table 27: North America Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 28: North America Angle Encoders Sales by Application (2026-2032) & (K Unit)

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

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

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

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

Table 33: North America Angle Encoders Sales Market Size by Country (2020-2025) & (K Unit)

Table 34: North America Angle Encoders Sales Market Size by Country (2026-2032) & (K Unit)

Table 35: Key Angle Encoders Players in Europe

Table 36: Europe Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 37: Europe Angle Encoders Sales by Type (2026-2032) & (K Unit)

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

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

Table 40: Europe Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 41: Europe Angle Encoders Sales by Application (2026-2032) & (K Unit)

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

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

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

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

Table 46: Europe Angle Encoders Sales Market Size by Country (2020-2025) & (K Unit)

Table 47: Europe Angle Encoders Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 48: Key Angle Encoders Players in China

Table 49: China Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 50: China Angle Encoders Sales by Type (2026-2032) & (K Unit)

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

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

Table 53: China Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 54: China Angle Encoders Sales by Application (2026-2032) & (K Unit)

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

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

Table 57: Key Angle Encoders Players in APAC (excl. China)

Table 58: APAC (excl. China) Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 59: APAC (excl. China) Angle Encoders Sales by Type (2026-2032) & (K Unit)

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

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

Table 62: APAC (excl. China) Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 63: APAC (excl. China) Angle Encoders Sales by Application (2026-2032) & (K Unit)

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

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

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

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

Table 68: APAC (excl. China) Angle Encoders Sales Market Size by Country (2020-2025) & (K Unit)

Table 69: APAC (excl. China) Angle Encoders Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 70: Key Angle Encoders Players in Latin America

Table 71: Latin America Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 72: Latin America Angle Encoders Sales by Type (2026-2032) & (K Unit)

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

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

Table 75: Latin America Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 76: Latin America Angle Encoders Sales by Application (2026-2032) & (K Unit)

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

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

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

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

Table 81: Latin America Angle Encoders Sales Market Size by Country (2020-2025) & (K Unit)

Table 82: Latin America Angle Encoders Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 83: Key Angle Encoders Players in Middle East & Africa

Table 84: Middle East & Africa Angle Encoders Sales by Type (2020-2025) & (K Unit)

Table 85: Middle East & Africa Angle Encoders Sales by Type (2026-2032) & (K Unit)

Table 86: Middle East & Africa Angle Encoders Revenue by Type (2020-2025) & (US\$ Million)

Table 87: Middle East & Africa Angle Encoders Revenue by Type (2026-2032) & (US\$ Million)

Table 88: Middle East & Africa Angle Encoders Sales by Application (2020-2025) & (K Unit)

Table 89: Middle East & Africa Angle Encoders Sales by Application (2026-2032) & (K Unit)

Table 90: Middle East & Africa Angle Encoders Revenue by Application (2020-2025) & (US\$ Million)

Table 91: Middle East & Africa Angle Encoders Revenue by Application (2026-2032) & (US\$ Million)

Table 92: Middle East & Africa Angle Encoders Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 93: Middle East & Africa Angle Encoders Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 94: Middle East & Africa Angle Encoders Sales Market Size by Country (2020-2025) & (K Unit)

Table 95: Middle East & Africa Angle Encoders Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 96: Global Angle Encoders Market Sales by Key Manufacturers (2021-2025) & (K Unit)

Table 97: Global Angle Encoders Sales Market Share by Key Manufacturers (2021-2025)

Table 98: Global Angle Encoders Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 99: Global Angle Encoders 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: Heidenhain Basic Company Profile (Employees, Areas Service, Competitors)

and Contact Information)

Table 104: Heidenhain Angle Encoders Product Portfolio

Table 105: Heidenhain Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 106: AVL Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: AVL Angle Encoders Product Portfolio

Table 108: AVL Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: Celera Motion Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: Celera Motion Angle Encoders Product Portfolio

Table 111: Celera Motion Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

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

Table 113: Zettlex Angle Encoders Product Portfolio

Table 114: Zettlex Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

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

Table 116: Hohner Angle Encoders Product Portfolio

Table 117: Hohner Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

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

Table 119: HAWE Group Angle Encoders Product Portfolio

Table 120: HAWE Group Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

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

Table 122: Asm-sensor Angle Encoders Product Portfolio

Table 123: Asm-sensor Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: HARTING Technology Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 125: HARTING Technology Group Angle Encoders Product Portfolio

Table 126: HARTING Technology Group Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

- Table 127: FAGOR AUTOMATION Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 128: FAGOR AUTOMATION Angle Encoders Product Portfolio
- Table 129: FAGOR AUTOMATION Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 130: FCR Motion Technology Pty. Ltd Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 131: FCR Motion Technology Pty. Ltd Angle Encoders Product Portfolio
- Table 132: FCR Motion Technology Pty. Ltd Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 133: Laser Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 134: Laser Technology Angle Encoders Product Portfolio
- Table 135: Laser Technology Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 136: ORLIN Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 137: ORLIN Technologies Angle Encoders Product Portfolio
- Table 138: ORLIN Technologies Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 139: Staehle Precision Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 140: Staehle Precision Angle Encoders Product Portfolio
- Table 141: Staehle Precision Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 142: Heason Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 143: Heason Technology Angle Encoders Product Portfolio
- Table 144: Heason Technology Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 145: TJR Precision Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 146: TJR Precision Technology Angle Encoders Product Portfolio
- Table 147: TJR Precision Technology Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 148: ASM En Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 149: ASM En Angle Encoders Product Portfolio
- Table 150: ASM En Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price

(USD/Unit), Gross Margin and Market Share (2021-2025)

Table 151: OMEGA Engineering Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 152: OMEGA Engineering Angle Encoders Product Portfolio

Table 153: OMEGA Engineering Angle Encoders Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 154: Upstream Key Raw Material Price List

Table 155: Angle Encoders Raw Material Suppliers and Contact Information

Table 156: Angle Encoders Typical Customer List

Table 157: Angle Encoders Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Angle Encoders Product Pictures

Figure 2: Absolute Encoders Picture Scope

Figure 3: Incremental Encoders Picture Scope

Figure 4: Machine Tools Picture Scope

Figure 5: Consumer Electronics Picture Scope

Figure 6: Assembly Equipment Picture Scope

Figure 7: Other Picture Scope

Figure 8: Global Angle Encoders Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 9: Global Angle Encoders Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 10: Global Angle Encoders Market Sales and Growth Rate Analysis (2020-2032) & (K Unit)

Figure 11: Global Angle Encoders Market Price Trend Analysis (2020-2032) & (USD/Unit)

Figure 12: Global Angle Encoders Market Size by Region (2020-2032) & (US\$ Million)

Figure 13: Global Angle Encoders Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 14: Global Angle Encoders Sales Price by Region (2020-2032) & (K Unit)

Figure 15: North America Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 16: North America Angle Encoders Revenue Market Share by Players in 2024

Figure 17: North America Angle Encoders Sales Market Share by Type (2020-2032)

Figure 18: North America Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 19: North America Angle Encoders Sales Market Share by Application (2020-2032)

Figure 20: North America Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 21: US Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 22: Canada Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 23: Europe Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 24: Europe Angle Encoders Revenue Market Share by Players in 2024

Figure 25: Europe Angle Encoders Sales Market Share by Type (2020-2032)

Figure 26: Europe Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 27:Europe Angle Encoders Sales Market Share by Application (2020-2032)

Figure 28:Europe Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 29:Germany Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 30:France Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 31:United Kingdom Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 32:Italy Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 33:Spain Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 34:Benelux Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 35:China Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 36:China Angle Encoders Revenue Market Share by Players in 2024

Figure 37:China Angle Encoders Sales Market Share by Type (2020-2032)

Figure 38:China Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 39:China Angle Encoders Sales Market Share by Application (2020-2032)

Figure 40:China Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 41:APAC (excl. China) Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 42:APAC (excl. China) Angle Encoders Revenue Market Share by Players in 2024

Figure 43:APAC (excl. China) Angle Encoders Sales Market Share by Type (2020-2032)

Figure 44:APAC (excl. China) Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 45:APAC (excl. China) Angle Encoders Sales Market Share by Application (2020-2032)

Figure 46:APAC (excl. China) Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 47:Japan Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 48:South Korea Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 49:India Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 50:Australia Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 51:Southeast Asia Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 52:Latin America Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 53:Latin America Angle Encoders Revenue Market Share by Players in 2024

Figure 54:Latin America Angle Encoders Sales Market Share by Type (2020-2032)

Figure 55:Latin America Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 56:Latin America Angle Encoders Sales Market Share by Application (2020-2032)

Figure 57:Latin America Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 58:Mexico Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 59:Brazil Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 60:Middle East & Africa Angle Encoders Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 61:Middle East & Africa Angle Encoders Revenue Market Share by Players in 2024

Figure 62:Middle East & Africa Angle Encoders Sales Market Share by Type (2020-2032)

Figure 63:Middle East & Africa Angle Encoders Revenue Market Share by Type (2020-2032)

Figure 64:Middle East & Africa Angle Encoders Sales Market Share by Application (2020-2032)

Figure 65:Middle East & Africa Angle Encoders Revenue Market Share by Application (2020-2032)

Figure 66:Saudi Arabia Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 67:South Africa Angle Encoders Revenue (2020-2032) & (US\$ Million)

Figure 68:Global Angle Encoders Sales Market Share by Key Manufacturers in 2024

Figure 69:Global Angle Encoders Revenue Market Share by Key Manufacturers in 2024

Figure 70:Global Angle Encoders Industry Competition Landscape

Figure 71:Angle Encoders Industry Chain Analysis

Figure 72:Bottom-Up and Top-Down Research Methods

Figure 73:Key Interview Objectives

Figure 74:Data Cross Validation

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