

Encoders - Global Market Outlook (2018-2027)

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Abstracts

According to Statistics MRC, the Encoders market accounted for \$1.44 billion in 2018 and is expected to reach \$3.58 billion by 2027 growing at a CAGR of 10.6% during the forecast period. Growing need for high-end automation across various industries is one of the major factors driving the market growth. However, varying international regulations and problems related with accuracy may hinder the market growth. Moreover, rising demand for artificial intelligence-based systems and upcoming technologies in automotive industry will provide ample opportunities for the growth of the market.

An Encoder is a sensing device that gives feedback from the physical world. It converts motion to an electrical signal which can be read by a kind of control device, for example, a counter or PLC. They produce either incremental or absolute signals. They use technologies like mechanical, magnetic, resistive, and optical to create a signal.

By type, rotary encoders segment is constantly enhancing due to their durability and excellent performance. Rotary encoders track motor shaft rotation to generate a digital position and motion information. They are electromechanical devices that are used to measure the number of rotations, the rotational angle, and the rotational position of equipment. By geography, Asia Pacific is going to have a lucrative growth during the forecast period due to rising demand in automotive and food & beverages in this region.

Some of the key players in this market include Rockwell Automation Inc., Sensata Technologies, Baumer Group, Heidenhain GmbH, IFM Electronic GmbH, Omron Automation, Maxon Motor Ag, Faulhaber Group, Dynapar Corporation and Posital-Fraba Inc.

Types Covered:

Rotary Encoders

Linear Encoders

Other Types

Technologies Covered:

Photoelectric

Magnetic

Optical

Other Technologies

Applications Covered:

Metal formation & Fabrication

Material Handling

Mobile Equipment

Aerospace

End Users Covered:

Food & Beverage

Automotive

Medical

Industrial

Cut-to-Length

Consumer Electronics

Printing Machinery

Registration Mark Timing

Conveying

Textile

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as

per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances.

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NOTE: Tables for North America, Europe, Asia Pacific, Middle East & Africa, and South America are represented in the same manner above.

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