

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Absolute Rotary Encoders Market 2018, Forecast to 2023

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Abstracts

A rotary encoder, also called a shaft encoder, is an electro-mechanical device that converts the angular position or motion of a shaft or axle to an analog or digital code.

There are two main types: absolute and incremental (relative).

Absolute rotary encoders provide a distinctly coded numerical value for each shaft position. In positioning tasks in particular, the absolute encoders relieve the controller of computation tasks and keep costs down by eliminating the need for additional input components.

Moreover, reference runs when the machine is switched on or after power failures are no longer required as the current position value is available immediately. Parallel absolute encoders transmit the position value to the analyzing electronics through several parallel cables. Serial absolute encoders transmit their output data via standardized interfaces and protocols.

Scope of the Report:

This report focuses on the Absolute Rotary Encoders in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Absolute rotary encoders industry is relatively concentrated, manufacturers are mostly in the Japan, Europe and North America. Among them, Europe output value accounted for more than 45.71% of the total output value of global absolute rotary encoders in 2016. Heidenhain is the world leading manufacturer in global absolute rotary encoders market with the market share of 17.85%, in terms of revenue.

With the increasing in production capacity, expected that the absolute rotary encoders raw material price will be stable in the short term. However, the improvement of energy,

transportation costs, and labor costs, will play a significant role in promoting the cost of absolute rotary encoders.

There are companies aims at the cost and quality leadership which shall improve profitability. As the same time, companies are focusing on technological innovation, equipment upgrades, and process improvements, to reduce costs and improve quality. The worldwide market for Absolute Rotary Encoders is expected to grow at a CAGR of roughly 7.2% over the next five years, will reach 13100 million US\$ in 2023, from 8670 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Heidenhain

Tamagawa

Nemicon

P+F

TR Electronic

Baumer

Kuebler

Danaher (Hengstler)

Omron

Koyo

BEI

Sick

Yuheng Optics

ELCO

Wuxi CREATE

Roundss

Sanfeng

Shanghai HOUDE

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Multi-Turn

Single-Turn

Market Segment by Applications, can be divided into

Healthcare

Machine Tool

Consumer Electronics

Assembly Equipment

Others

There are 15 Chapters to deeply display the global Absolute Rotary Encoders market.

Chapter 1, to describe Absolute Rotary Encoders Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Absolute Rotary Encoders, with sales, revenue, and price of Absolute Rotary Encoders, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Absolute Rotary Encoders, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Absolute Rotary Encoders market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Absolute Rotary Encoders sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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