

# Global Optical Rotary Encoders Market Professional Survey Report 2016

<https://marketpublishers.com/r/GC4A4886350EN.html>

Date: October 2016

Pages: 125

Price: US\$ 3,500.00 (Single User License)

ID: GC4A4886350EN

## Abstracts

### Notes:

Production, means the output of Optical Rotary Encoders

Revenue, means the sales value of Optical Rotary Encoders

This report studies Optical Rotary Encoders in Global market, especially in North America, Europe, China, Japan, Southeast Asia and India, with production, revenue, consumption, import and export in these regions, from 2011 to 2015, and forecast to 2021.

This report focuses on top manufacturers in global market, with production, price, revenue and market share for each manufacturer, covering

Kubler

BEI Sensors

Grayhill

Honeywell Sensing and Control

Koyo

OMRON

## Autonics

Encoder Product

Pepperl+Fuchs

Renishaw

Heidenhain

Baumer Group

FRABA Group

Tokyo Sokuteikizai

Nemicon

CTS

CUI

TR Electronic

Avago Technologies

Balluff

HONTKO

Elma Group

CODECHAMP

By types, the market can be split into

Incremental Optical Rotary Encoders

Absolute Single-Turn Optical Rotary Encoders

Absolute Multi-Turn Optical Rotary Encoders

By Application, the market can be split into

Application 1

Application 2

Application 3

By Regions, this report covers (we can add the regions/countries as you want)

North America

China

Europe

Southeast Asia

Japan

India

## Contents

### Global Optical Rotary Encoders Market Professional Survey Report 2016

## **1 INDUSTRY OVERVIEW OF OPTICAL ROTARY ENCODERS**

### 1.1 Definition and Specifications of Optical Rotary Encoders

#### 1.1.1 Definition of Optical Rotary Encoders

#### 1.1.2 Specifications of Optical Rotary Encoders

### 1.2 Classification of Optical Rotary Encoders

#### 1.2.1 Incremental Optical Rotary Encoders

#### 1.2.2 Absolute Single-Turn Optical Rotary Encoders

#### 1.2.3 Absolute Multi-Turn Optical Rotary Encoders

### 1.3 Applications of Optical Rotary Encoders

#### 1.3.1 Application

#### 1.3.2 Application

#### 1.3.3 Application

### 1.4 Market Segment by Regions

#### 1.4.1 North America

#### 1.4.2 China

#### 1.4.3 Europe

#### 1.4.4 Southeast Asia

#### 1.4.5 Japan

#### 1.4.6 India

## **2 MANUFACTURING COST STRUCTURE ANALYSIS OF OPTICAL ROTARY ENCODERS**

### 2.1 Raw Material and Suppliers

### 2.2 Manufacturing Cost Structure Analysis of Optical Rotary Encoders

### 2.3 Manufacturing Process Analysis of Optical Rotary Encoders

### 2.4 Industry Chain Structure of Optical Rotary Encoders

## **3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF OPTICAL ROTARY ENCODERS**

### 3.1 Capacity and Commercial Production Date of Global Optical Rotary Encoders Major Manufacturers in 2015

### 3.2 Manufacturing Plants Distribution of Global Optical Rotary Encoders Major

Manufacturers in 2015

3.3 R&D Status and Technology Source of Global Optical Rotary Encoders Major Manufacturers in 2015

3.4 Raw Materials Sources Analysis of Global Optical Rotary Encoders Major Manufacturers in 2015

## **4 GLOBAL OPTICAL ROTARY ENCODERS OVERALL MARKET OVERVIEW**

4.1 2011-2016E Overall Market Analysis

4.2 Capacity Analysis

4.2.1 2011-2016E Global Optical Rotary Encoders Capacity and Growth Rate Analysis

4.2.2 2015 Optical Rotary Encoders Capacity Analysis (Company Segment)

4.3 Sales Analysis

4.3.1 2011-2016E Global Optical Rotary Encoders Sales and Growth Rate Analysis

4.3.2 2015 Optical Rotary Encoders Sales Analysis (Company Segment)

4.4 Sales Price Analysis

4.4.1 2011-2016E Global Optical Rotary Encoders Sales Price

4.4.2 2015 Optical Rotary Encoders Sales Price Analysis (Company Segment)

## **5 OPTICAL ROTARY ENCODERS REGIONAL MARKET ANALYSIS**

5.1 North America Optical Rotary Encoders Market Analysis

5.1.1 North America Optical Rotary Encoders Market Overview

5.1.2 North America 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

5.1.3 North America 2011-2016E Optical Rotary Encoders Sales Price Analysis

5.1.4 North America 2015 Optical Rotary Encoders Market Share Analysis

5.2 China Optical Rotary Encoders Market Analysis

5.2.1 China Optical Rotary Encoders Market Overview

5.2.2 China 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

5.2.3 China 2011-2016E Optical Rotary Encoders Sales Price Analysis

5.2.4 China 2015 Optical Rotary Encoders Market Share Analysis

5.3 Europe Optical Rotary Encoders Market Analysis

5.3.1 Europe Optical Rotary Encoders Market Overview

5.3.2 Europe 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

5.3.3 Europe 2011-2016E Optical Rotary Encoders Sales Price Analysis

5.3.4 Europe 2015 Optical Rotary Encoders Market Share Analysis

#### 5.4 Southeast Asia Optical Rotary Encoders Market Analysis

##### 5.4.1 Southeast Asia Optical Rotary Encoders Market Overview

##### 5.4.2 Southeast Asia 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

##### 5.4.3 Southeast Asia 2011-2016E Optical Rotary Encoders Sales Price Analysis

##### 5.4.4 Southeast Asia 2015 Optical Rotary Encoders Market Share Analysis

#### 5.5 Japan Optical Rotary Encoders Market Analysis

##### 5.5.1 Japan Optical Rotary Encoders Market Overview

##### 5.5.2 Japan 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

##### 5.5.3 Japan 2011-2016E Optical Rotary Encoders Sales Price Analysis

##### 5.5.4 Japan 2015 Optical Rotary Encoders Market Share Analysis

#### 5.6 India Optical Rotary Encoders Market Analysis

##### 5.6.1 India Optical Rotary Encoders Market Overview

##### 5.6.2 India 2011-2016E Optical Rotary Encoders Local Supply, Import, Export, Local Consumption Analysis

##### 5.6.3 India 2011-2016E Optical Rotary Encoders Sales Price Analysis

##### 5.6.4 India 2015 Optical Rotary Encoders Market Share Analysis

### **6 GLOBAL 2011-2016E OPTICAL ROTARY ENCODERS SEGMENT MARKET ANALYSIS (BY TYPE)**

#### 6.1 Global 2011-2016E Optical Rotary Encoders Sales by Type

#### 6.2 Different Types of Optical Rotary Encoders Product Interview Price Analysis

#### 6.3 Different Types of Optical Rotary Encoders Product Driving Factors Analysis

##### 6.3.1 Incremental Optical Rotary Encoders of Optical Rotary Encoders Growth Driving Factor Analysis

##### 6.3.2 Absolute Single-Turn Optical Rotary Encoders of Optical Rotary Encoders Growth Driving Factor Analysis

##### 6.3.3 Absolute Multi-Turn Optical Rotary Encoders of Optical Rotary Encoders Growth Driving Factor Analysis

### **7 GLOBAL 2011-2016E OPTICAL ROTARY ENCODERS SEGMENT MARKET ANALYSIS (BY APPLICATION)**

#### 7.1 Global 2011-2016E Optical Rotary Encoders Consumption by Application

#### 7.2 Different Application of Optical Rotary Encoders Product Interview Price Analysis

#### 7.3 Different Application of Optical Rotary Encoders Product Driving Factors Analysis

##### 7.3.1 Application 1 Optical Rotary Encoders Growth Driving Factor Analysis

- 7.3.2 Application 2 Optical Rotary Encoders Growth Driving Factor Analysis
- 7.3.3 Application 3 Optical Rotary Encoders Growth Driving Factor Analysis

## **8 MAJOR MANUFACTURERS ANALYSIS OF OPTICAL ROTARY ENCODERS**

### 8.1 Kubler

#### 8.1.1 Company Profile

#### 8.1.2 Product Picture and Specifications

##### 8.1.2.1 Type I

##### 8.1.2.2 Type II

##### 8.1.2.3 Type III

#### 8.1.3 Kubler 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.1.4 Kubler 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.2 BEI Sensors

#### 8.2.1 Company Profile

#### 8.2.2 Product Picture and Specifications

##### 8.2.2.1 Type I

##### 8.2.2.2 Type II

##### 8.2.2.3 Type III

#### 8.2.3 BEI Sensors 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.2.4 BEI Sensors 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.3 Grayhill

#### 8.3.1 Company Profile

#### 8.3.2 Product Picture and Specifications

##### 8.3.2.1 Type I

##### 8.3.2.2 Type II

##### 8.3.2.3 Type III

#### 8.3.3 Grayhill 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.3.4 Grayhill 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.4 Honeywell Sensing and Control

#### 8.4.1 Company Profile

#### 8.4.2 Product Picture and Specifications

##### 8.4.2.1 Type I

##### 8.4.2.2 Type II

##### 8.4.2.3 Type III

8.4.3 Honeywell Sensing and Control 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.4.4 Honeywell Sensing and Control 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.5 Koyo

8.5.1 Company Profile

8.5.2 Product Picture and Specifications

8.5.2.1 Type I

8.5.2.2 Type II

8.5.2.3 Type III

8.5.3 Koyo 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.5.4 Koyo 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.6 OMRON

8.6.1 Company Profile

8.6.2 Product Picture and Specifications

8.6.2.1 Type I

8.6.2.2 Type II

8.6.2.3 Type III

8.6.3 OMRON 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.6.4 OMRON 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.7 Autonics

8.7.1 Company Profile

8.7.2 Product Picture and Specifications

8.7.2.1 Type I

8.7.2.2 Type II

8.7.2.3 Type III

8.7.3 Autonics 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.7.4 Autonics 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.8 Encoder Product

8.8.1 Company Profile

8.8.2 Product Picture and Specifications

8.8.2.1 Type I

8.8.2.2 Type II

8.8.2.3 Type III

8.8.3 Encoder Product 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis



8.8.4 Encoder Product 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.9 Pepperl+Fuchs

8.9.1 Company Profile

8.9.2 Product Picture and Specifications

8.9.2.1 Type I

8.9.2.2 Type II

8.9.2.3 Type III

8.9.3 Pepperl+Fuchs 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.9.4 Pepperl+Fuchs 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.10 Renishaw

8.10.1 Company Profile

8.10.2 Product Picture and Specifications

8.10.2.1 Type I

8.10.2.2 Type II

8.10.2.3 Type III

8.10.3 Renishaw 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.10.4 Renishaw 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.11 Heidenhain

8.11.1 Company Profile

8.11.2 Product Picture and Specifications

8.11.2.1 Type I

8.11.2.2 Type II

8.11.2.3 Type III

8.11.3 Heidenhain 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.11.4 Heidenhain 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.12 Baumer Group

8.12.1 Company Profile

8.12.2 Product Picture and Specifications

8.12.2.1 Type I

8.12.2.2 Type II

8.12.2.3 Type III

8.12.3 Baumer Group 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.12.4 Baumer Group 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.13 FRABA Group

8.13.1 Company Profile

8.13.2 Product Picture and Specifications

8.13.2.1 Type I

8.13.2.2 Type II

8.13.2.3 Type III

8.13.3 FRABA Group 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.13.4 FRABA Group 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.14 Tokyo Sokuteikizai

8.14.1 Company Profile

8.14.2 Product Picture and Specifications

8.14.2.1 Type I

8.14.2.2 Type II

8.14.2.3 Type III

8.14.3 Tokyo Sokuteikizai 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.14.4 Tokyo Sokuteikizai 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.15 Nemicon

8.15.1 Company Profile

8.15.2 Product Picture and Specifications

8.15.2.1 Type I

8.15.2.2 Type II

8.15.2.3 Type III

8.15.3 Nemicon 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

8.15.4 Nemicon 2015 Optical Rotary Encoders Business Region Distribution Analysis

8.16 CTS

8.16.1 Company Profile

8.16.2 Product Picture and Specifications

8.16.2.1 Type I

8.16.2.2 Type II

8.16.2.3 Type III

8.16.3 CTS 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.16.4 CTS 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.17 CUI

#### 8.17.1 Company Profile

#### 8.17.2 Product Picture and Specifications

##### 8.17.2.1 Type I

##### 8.17.2.2 Type II

##### 8.17.2.3 Type III

#### 8.17.3 CUI 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.17.4 CUI 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.18 TR Electronic

#### 8.18.1 Company Profile

#### 8.18.2 Product Picture and Specifications

##### 8.18.2.1 Type I

##### 8.18.2.2 Type II

##### 8.18.2.3 Type III

#### 8.18.3 TR Electronic 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.18.4 TR Electronic 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.19 Avago Technologies

#### 8.19.1 Company Profile

#### 8.19.2 Product Picture and Specifications

##### 8.19.2.1 Type I

##### 8.19.2.2 Type II

##### 8.19.2.3 Type III

#### 8.19.3 Avago Technologies 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.19.4 Avago Technologies 2015 Optical Rotary Encoders Business Region Distribution Analysis

### 8.20 Balluff

#### 8.20.1 Company Profile

#### 8.20.2 Product Picture and Specifications

##### 8.20.2.1 Type I

##### 8.20.2.2 Type II

##### 8.20.2.3 Type III

#### 8.20.3 Balluff 2015 Optical Rotary Encoders Sales, Ex-factory Price, Revenue, Gross Margin Analysis

#### 8.20.4 Balluff 2015 Optical Rotary Encoders Business Region Distribution Analysis

- 8.21 HONTKO
- 8.22 Elma Group
- 8.23 CODECHAMP

## **9 DEVELOPMENT TREND OF ANALYSIS OF OPTICAL ROTARY ENCODERS MARKET**

- 9.1 Global Optical Rotary Encoders Market Trend Analysis
  - 9.1.1 Global 2016-2021 Optical Rotary Encoders Market Size (Volume and Value) Forecast
  - 9.1.2 Global 2016-2021 Optical Rotary Encoders Sales Price Forecast
- 9.2 Optical Rotary Encoders Regional Market Trend
  - 9.2.1 North America 2016-2021 Optical Rotary Encoders Consumption Forecast
  - 9.2.2 China 2016-2021 Optical Rotary Encoders Consumption Forecast
  - 9.2.3 Europe 2016-2021 Optical Rotary Encoders Consumption Forecast
  - 9.2.4 Southeast Asia 2016-2021 Optical Rotary Encoders Consumption Forecast
  - 9.2.5 Japan 2016-2021 Optical Rotary Encoders Consumption Forecast
  - 9.2.6 India 2016-2021 Optical Rotary Encoders Consumption Forecast
- 9.3 Optical Rotary Encoders Market Trend (Product Type)
- 9.4 Optical Rotary Encoders Market Trend (Application)

## **10 OPTICAL ROTARY ENCODERS MARKETING TYPE ANALYSIS**

- 10.1 Optical Rotary Encoders Regional Marketing Type Analysis
- 10.2 Optical Rotary Encoders International Trade Type Analysis
- 10.3 Traders or Distributors with Contact Information of Optical Rotary Encoders by Regions
- 10.4 Optical Rotary Encoders Supply Chain Analysis

## **11 CONSUMERS ANALYSIS OF OPTICAL ROTARY ENCODERS**

- 11.1 Consumer 1 Analysis
- 11.2 Consumer 2 Analysis
- 11.3 Consumer 3 Analysis
- 11.4 Consumer 4 Analysis

## **12 CONCLUSION OF THE GLOBAL OPTICAL ROTARY ENCODERS MARKET PROFESSIONAL SURVEY REPORT 2016**

Author List  
Table Part of Interviewees Record List  
Disclosure Section  
Research Methodology  
Data Source  
China Disclaimer

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Optical Rotary Encoders

Table Product Specifications of Optical Rotary Encoders

Table Classification of Optical Rotary Encoders

Figure Global Production Market Share of Optical Rotary Encoders by Type in 2015

Figure Incremental Optical Rotary Encoders Picture

Table Major Manufacturers of Incremental Optical Rotary Encoders

Figure Absolute Single-Turn Optical Rotary Encoders Picture

Table Major Manufacturers of Absolute Single-Turn Optical Rotary Encoders

Figure Absolute Multi-Turn Optical Rotary Encoders Picture

Table Major Manufacturers of Absolute Multi-Turn Optical Rotary Encoders

Table Applications of Optical Rotary Encoders

Figure Global Consumption Volume Market Share of Optical Rotary Encoders by Application in 2015

Figure Market Share of Optical Rotary Encoders by Regions

Figure North America Optical Rotary Encoders Market Size (2011-2021)

Figure China Optical Rotary Encoders Market Size (2011-2021)

Figure Europe Optical Rotary Encoders Market Size (2011-2021)

Figure Southeast Asia Optical Rotary Encoders Market Size (2011-2021)

Figure Japan Optical Rotary Encoders Market Size (2011-2021)

Figure India Optical Rotary Encoders Market Size (2011-2021)

Table Optical Rotary Encoders Raw Material and Suppliers

Table Manufacturing Cost Structure Analysis of Optical Rotary Encoders in 2015

Figure Manufacturing Process Analysis of Optical Rotary Encoders

Figure Industry Chain Structure of Optical Rotary Encoders

Table Capacity (K Units) and Commercial Production Date of Global Optical Rotary Encoders Major Manufacturers in 2015

Table Manufacturing Plants Distribution of Global Optical Rotary Encoders Major Manufacturers in 2015

Table R&D Status and Technology Source of Global Optical Rotary Encoders Major Manufacturers in 2015

Table Raw Materials Sources Analysis of Global Optical Rotary Encoders Major Manufacturers in 2015

Table Global Capacity (K Units), Sales (K Units), Price (USD/Unit), Cost (USD/Unit), Sales Revenue (M USD) and Gross Margin of Optical Rotary Encoders 2011-2016

Figure Global 2011-2016E Optical Rotary Encoders Market Size (Volume) and Growth

Rate

Figure Global 2011-2016E Optical Rotary Encoders Market Size (Value) and Growth Rate

Table 2011-2016E Global Optical Rotary Encoders Capacity and Growth Rate

Table 2015 Global Optical Rotary Encoders Capacity List (Company Segment)

Table 2011-2016E Global Optical Rotary Encoders Sales and Growth Rate

Table 2015 Global Optical Rotary Encoders Sales List (Company Segment)

Table 2011-2016E Global Optical Rotary Encoders Sales Price

Table 2015 Global Optical Rotary Encoders Sales Price List (Company Segment)

Figure North America Capacity Overview

Table North America Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure North America 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure North America 2015 Optical Rotary Encoders Sales Market Share

Figure China Capacity Overview

Table China Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure China 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure China 2015 Optical Rotary Encoders Sales Market Share

Figure Europe Capacity Overview

Table Europe Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure Europe 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure Europe 2015 Optical Rotary Encoders Sales Market Share

Figure Southeast Asia Capacity Overview

Table Southeast Asia Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure Southeast Asia 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure Southeast Asia 2015 Optical Rotary Encoders Sales Market Share

Figure Japan Capacity Overview

Table Japan Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure Japan 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure Japan 2015 Optical Rotary Encoders Sales Market Share

Figure India Capacity Overview

Table India Supply, Import, Export and Consumption of Optical Rotary Encoders 2011-2016 (K Units)

Figure India 2011-2016E Optical Rotary Encoders Sales Price (USD/Unit)

Figure India 2015 Optical Rotary Encoders Sales Market Share

Table Global 2011-2016E Optical Rotary Encoders Sales by Type  
Table Different Types Optical Rotary Encoders Product Interview Price  
Table Global 2011-2016E Optical Rotary Encoders Sales by Application  
Table Different Application Optical Rotary Encoders Product Interview Price  
Table Kubler Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Kubler Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Kubler 2015 Optical Rotary Encoders Business Region Distribution  
Table BEI Sensors Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 BEI Sensors Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 BEI Sensors 2015 Optical Rotary Encoders Business Region Distribution  
Table Grayhill Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Grayhill Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Grayhill 2015 Optical Rotary Encoders Business Region Distribution  
Table Honeywell Sensing and Control Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Honeywell Sensing and Control Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Honeywell Sensing and Control 2015 Optical Rotary Encoders Business Region Distribution  
Table Koyo Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Koyo Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Koyo 2015 Optical Rotary Encoders Business Region Distribution  
Table OMRON Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview



Table Type III Optical Rotary Encoders Overview  
Table 2015 OMRON Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 OMRON 2015 Optical Rotary Encoders Business Region Distribution  
Table Autonics Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Autonics Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Autonics 2015 Optical Rotary Encoders Business Region Distribution  
Table Encoder Product Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Encoder Product Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Encoder Product 2015 Optical Rotary Encoders Business Region Distribution  
Table Pepperl+Fuchs Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Pepperl+Fuchs Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Pepperl+Fuchs 2015 Optical Rotary Encoders Business Region Distribution  
Table Renishaw Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Renishaw Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Renishaw 2015 Optical Rotary Encoders Business Region Distribution  
Table Heidenhain Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Heidenhain Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Heidenhain 2015 Optical Rotary Encoders Business Region Distribution  
Table Baumer Group Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview

Table 2015 Baumer Group Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Baumer Group 2015 Optical Rotary Encoders Business Region Distribution  
Table FRABA Group Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 FRABA Group Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 FRABA Group 2015 Optical Rotary Encoders Business Region Distribution  
Table Tokyo Sokuteikizai Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Tokyo Sokuteikizai Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Tokyo Sokuteikizai 2015 Optical Rotary Encoders Business Region Distribution  
Table Nemicon Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Nemicon Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Nemicon 2015 Optical Rotary Encoders Business Region Distribution  
Table CTS Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 CTS Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 CTS 2015 Optical Rotary Encoders Business Region Distribution  
Table CUI Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 CUI Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 CUI 2015 Optical Rotary Encoders Business Region Distribution  
Table TR Electronic Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 TR Electronic Optical Rotary Encoders Revenue, Sales, Ex-factory Price

Figure 2015 TR Electronic 2015 Optical Rotary Encoders Business Region Distribution  
Table Avago Technologies Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Avago Technologies Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Avago Technologies 2015 Optical Rotary Encoders Business Region Distribution  
Table Balluff Information List  
Table Type I Optical Rotary Encoders Overview  
Table Type II Optical Rotary Encoders Overview  
Table Type III Optical Rotary Encoders Overview  
Table 2015 Balluff Optical Rotary Encoders Revenue, Sales, Ex-factory Price  
Figure 2015 Balluff 2015 Optical Rotary Encoders Business Region Distribution  
Table HONTKO Information List  
Table Elma Group Information List  
Table CODECHAMP Information List  
Figure Global 2016-2021 Optical Rotary Encoders Market Size (Volume) and Growth Rate Forecast  
Figure Global 2016-2021 Optical Rotary Encoders Market Size (Value) and Growth Rate Forecast  
Figure Global 2016-2021 Optical Rotary Encoders Sales Price (USD/Unit) Forecast  
Figure North America 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Figure China 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Figure Europe 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Figure Southeast Asia 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Figure Japan 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Figure India 2016-2021 Optical Rotary Encoders Consumption Volume and Growth Rate Forecast  
Table Global Sales Volume (K Units) of Optical Rotary Encoders by Types 2016-2021  
Table Global Consumption Volume (K Units) of Optical Rotary Encoders by Applications 2016-2021  
Table Traders or Distributors with Contact Information of Optical Rotary Encoders by

Regions

Table Part of Interviewees Record List

## I would like to order

Product name: Global Optical Rotary Encoders Market Professional Survey Report 2016

Product link: <https://marketpublishers.com/r/GC4A4886350EN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC4A4886350EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970