

# **Europe Torque Sensor Market by Type (Rotary, Static/Reaction, Magneto-Elastic, SAW) by Application (Automotive, Industrial, Test & Measurement, Aerospace & Defense, Medical) by Geography – Analysis & Forecast to 2019**

<https://marketpublishers.com/r/E04133B910EEN.html>

Date: April 2015

Pages: 90

Price: US\$ 2,650.00 (Single User License)

ID: E04133B910EEN

## **Abstracts**

The Europe torque sensor market is projected to grow at a CAGR of 8.1% from 2014 to 2019. The torque sensor market in Europe has occupied a market share of 26.6% in 2014. This growth is mainly attributed to varied factors, such as increasing demand for better fuel efficiency, up-gradation to electric power steering systems, and rising trend towards the adoption of condition-based maintenance.

In this report, the European torque sensor market has been broadly classified on the basis of types into rotary, static/reaction, magnetoelastic, and SAW. The rotary torque sensors segment is progressing at a CAGR of 7.3% from 2014 to 2019. These sensors are utilized for varied applications including drive strain measurement, engine and chassis dynamometer, efficiency testing, and clutch and gearbox testing among others.

Germany is estimated to command the highest market share of 31.2% in the Europe torque sensor market, followed by the U.K. One of the most significant factors influencing the growth of the torque sensor market in Germany is the growing adoption of torque sensor in end-user applications, such as engine and propulsion and primary systems. In addition to this, up-gradation of electric power steering has also contributed to the growth of the torque sensor market.

As of 2014, the Europe torque sensor market is being dominated by numerous players, such as HBM, PCB Piezotronics, Applied Measurements, Futek Advanced Sensor Technology Inc., Kistler Instruments AG, ABB Ltd., and Honeywell International Inc.

among others. New product launches, partnerships, agreements, collaborations, and joint ventures are the major strategies adopted by leading players in the torque sensor market.

#### Customization Options:

Along with the market data, you can also customize the MMM assessments that are in accordance to your company's specific needs. Customize to acquire a comprehensive data on industry standards and deep-dive analysis of the following parameters:

#### Product Analysis:

- Usage pattern (in-depth trend analysis) of products (segment-wise)

- Product matrix, which gives a detailed comparison of product portfolio of each company mapped at country and sub-segment level

- End-user adoption rate analysis of products (segment-wise and country-wise)

- Comprehensive coverage of product approvals, pipeline products, and product recalls

#### Data from Manufacturing Firms:

- Fast turn-around analysis of manufacturing firms' responses to recent market events and trends

- Expert opinion about varied applications of torque sensors

- Qualitative inputs on macro-economic indicators and mergers & acquisitions in each geography.

#### Comparative Analysis:

- Market data and key developments of top companies

#### Shipment/Volume Data:

Tracking the value of components shipped annually in each geography

#### Trend analysis of Application:

Application matrix, which gives a detailed comparison of application portfolio of each company, mapped in each geography

## Contents

### **1 INTRODUCTION**

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET SEGMENTATION AND COVERAGE
- 1.3 STAKEHOLDERS

### **2 RESEARCH METHODOLOGY**

- 2.1 INTEGRATED ECOSYSTEM OF THE EUROPE TORQUE SENSOR MARKET
- 2.2 ARRIVING AT THE MARKET SIZE OF THE EUROPE TORQUE SENSOR MARKET
  - 2.2.1 TOP-DOWN APPROACH
  - 2.2.2 BOTTOM-UP APPROACH
  - 2.2.3 DEMAND SIDE APPROACH
  - 2.2.4 MACROINDICATOR-BASED APPROACH
- 2.3 ASSUMPTIONS

### **3 EXECUTIVE SUMMARY**

### **4 MARKET OVERVIEW**

- 4.1 INTRODUCTION
- 4.2 TORQUE SENSOR MARKET: COMPARISON WITH PARENT MARKET
- 4.3 MARKET DRIVERS AND INHIBITORS
- 4.4 KEY MARKET DYNAMICS
- 4.5 DEMAND SIDE ANALYSIS

### **5 EUROPE TORQUE SENSOR MARKET, BY TYPE**

- 5.1 INTRODUCTION
- 5.2 EUROPE TORQUE SENSOR MARKET, TYPE COMPARISON WITH PARENT MARKET
- 5.3 ROTARY TORQUE SENSOR
  - 5.3.1 EUROPE ROTARY TORQUE SENSOR MARKET, BY APPLICATION
- 5.4 STATIC TORQUE SENSOR
  - 5.4.1 EUROPE STATIC TORQUE SENSOR MARKET, BY APPLICATION
- 5.5 MAGNETO-ELASTIC TORQUE SENSOR

5.5.1 EUROPE MAGNETO-ELASTIC TORQUE SENSOR MARKET, BY APPLICATION

5.6 SURFACE ACOUSTIC WAVE (SAW) TORQUE SENSOR

5.6.1 EUROPE SURFACE ACOUSTIC WAVE (SAW) TORQUE SENSOR MARKET, BY APPLICATION

## **6 EUROPE TORQUE SENSOR MARKET, BY APPLICATION**

6.1 INTRODUCTION

6.2 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR

6.2.1 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY GEOGRAPHY

6.2.2 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY TYPE

6.3 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR

6.3.1 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY GEOGRAPHY

6.3.2 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY TYPE

6.4 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR

6.4.1 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY GEOGRAPHY

6.4.2 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY TYPE

6.5 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR

6.5.1 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY GEOGRAPHY

6.5.2 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY TYPE

6.6 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR

6.6.1 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY GEOGRAPHY

6.6.2 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY TYPE

## **7 EUROPE TORQUE SENSOR MARKET, BY GEOGRAPHY**

7.1 INTRODUCTION

7.2 GERMANY TORQUE SENSOR MARKET

7.2.1 GERMANY TORQUE SENSOR MARKET, BY APPLICATION

7.3 U.K. TORQUE SENSOR MARKET

7.3.1 U.K. TORQUE SENSOR MARKET, BY APPLICATION

## 7.4 FRANCE TORQUE SENSOR MARKET

### 7.4.1 FRANCE TORQUE SENSOR MARKET, BY APPLICATION

## 7.5 ITALY TORQUE SENSOR MARKET

### 7.5.1 ITALY TORQUE SENSOR MARKET, BY APPLICATION

## **8 TORQUE SENSOR MARKET: COMPETITIVE LANDSCAPE**

### 8.1 TORQUE SENSOR MARKET: COMPANY SHARE ANALYSIS

### 8.2 COMPANY PRESENCE IN TORQUE SENSOR MARKET, BY TYPE

### 8.3 NEW PRODUCT DEVELOPMENTS

### 8.4 MERGERS AND ACQUISITIONS

### 8.5 OTHER DEVELOPMENTS

## **9 EUROPE TORQUE SENSOR MARKET, BY COMPANY**

(Overview, Financials, Products & Services, Strategy, and Developments)\*

### 9.1 HBM

### 9.2 PCB PIEZOTRONICS

### 9.3 APPLIED MEASUREMENTS

### 9.4 FUTEK ADVANCED SENSOR TECHNOLOGY, INC.

### 9.5 KISTLER INSTRUMENTE AG

### 9.6 ABB LTD.

### 9.7 HONEYWELL

\*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted company

## **10 APPENDIX**

### 10.1 CUSTOMIZATION OPTIONS

#### 10.1.1 PRODUCT PORTFOLIO ANALYSIS

#### 10.1.2 COUNTRY LEVEL DATA ANALYSIS

#### 10.1.3 PRODUCT COMPARISON OF VARIOUS COMPETITORS

#### 10.1.4 TRADE ANALYSIS

### 10.2 RELATED REPORTS

### 10.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE

#### 10.3.1 RT SNAPSHOTS

##### 10.3.1.1 SNAPSHOT 1: ECOSYSTEM

10.3.1.2 SNAPSHOT 2: QUANTITATIVE CHART

10.3.1.3 SNAPSHOT 3: HEAT MAP, COMPANIES

## List Of Tables

### LIST OF TABLES

Table 1 EUROPE TORQUE SENSOR MARKET SIZE, 2014 (USD MN)

Table 2 EUROPE TORQUE SENSOR MARKET SIZE, BY APPLICATION, 2014 (USD MN)

Table 3 GLOBAL R&D EXPENDITURE, BY GEOGRAPHY, 2013 (USD MN)

Table 4 EUROPE TORQUE SENSORS MARKET: COMPARISON WITH PARENT MARKET, 2013–2019(USD MN)

Table 5 EUROPE TORQUE SENSOR MARKET: DRIVERS AND INHIBITORS

Table 6 EUROPE TORQUE SENSOR MARKET: BY APPLICATION, 2013–2019 (USD MN)

Table 7 EUROPE TORQUE SENSOR MARKET: BY GEOGRAPHY, 2014 (USD MN)

Table 8 EUROPE TORQUE SENSOR MARKET: APPLICATION MARKETS, 2013–2019 (USD MN)

Table 9 EUROPE TORQUE SENSOR MARKET, BY TYPE, 2013–2019 (USD MN)

Table 10 EUROPE TORQUE SENSOR MARKET: TYPE COMPARISON WITH PARENT MARKET, 2013–2019 (USD MN)

Table 11 EUROPE ROTARY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 12 EUROPE STATIC TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 13 EUROPE MAGNETO-ELASTIC TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 14 EUROPE SURFACE ACOUSTIC WAVE (SAW) TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 15 EUROPE TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 16 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Table 17 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY TYPE, 2013–2019 (USD MN)

Table 18 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Table 19 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY TYPE, 2013–2019 (USD MN)

Table 20 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)



Table 21 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY TYPE, 2013–2019 (USD MN)

Table 22 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Table 23 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY TYPE, 2013–2019 (USD MN)

Table 24 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Table 25 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY TYPE, 2013–2019 (USD MN)

Table 26 EUROPE TORQUE SENSOR MARKET, BY GEOGRAPHY, 2013–2019 (USD MN)

Table 27 GERMANY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 28 U.K. TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 29 FRANCE TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 30 ITALY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Table 31 TORQUE SENSOR MARKET: COMPANY SHARE ANALYSIS, 2013 (%)

Table 32 EUROPE TORQUE SENSOR MARKET: NEW PRODUCT DEVELOPMENTS

Table 33 EUROPE TORQUE SENSOR MARKET: MERGERS AND ACQUISITIONS

Table 34 EUROPE TORQUE SENSOR MARKET: OTHER DEVELOPMENTS

Table 35 ABB LTD.: ANNUAL REVENUE, BY BUSINESS SEGMENT, 2010–2013 (USD MN)

Table 36 ABB LTD.: ANNUAL REVENUE, BY GEOGRAPHICAL SEGMENT, 2010–2013 (USD MN)

Table 37 ABB LTD.: KEY OPERATING DATA, 2010–2014 (USD MN)

Table 38 HONEYWELL: ANNUAL REVENUE, BY BUSINESS SEGMENT, 2010–2014 (USD MN)

Table 39 HONEYWELL: ANNUAL REVENUE, BY GEOGRAPHICAL SEGMENT, 2010–2014 (USD MN)

Table 40 HONEYWELL: KEY OPERATING DATA, 2010–2014 (USD MN)

## List Of Figures

### LIST OF FIGURES

Figure 1 EUROPE TORQUE SENSOR MARKET: SEGMENTATION & COVERAGE

Figure 2 TORQUE SENSOR MARKET: INTEGRATED ECOSYSTEM

Figure 3 RESEARCH METHODOLOGY

Figure 4 TOP-DOWN APPROACH

Figure 5 BOTTOM-UP APPROACH

Figure 6 DEMAND SIDE APPROACH

Figure 7 MACROINDICATOR-BASED APPROACH: R & D EXPENDITURE, 2013 (USD MN)

Figure 8 EUROPE TORQUE SENSOR MARKET SNAPSHOT

Figure 9 TORQUE SENSOR MARKET: GROWTH ASPECTS

Figure 10 TORQUE SENSOR MARKET: COMPARISON WITH PARENT MARKET

Figure 11 EUROPE TORQUE SENSOR MARKET, BY APPLICATION, 2014 & 2019

Figure 12 EUROPE TORQUE SENSOR MARKET, BY GEOGRAPHY, 2014 (USD MN)

Figure 13 DEMAND SIDE ANALYSIS

Figure 14 EUROPE TORQUE SENSOR MARKET, BY TYPE, 2014 & 2019 (USD MN)

Figure 15 EUROPE TORQUE SENSOR MARKET: TYPE COMPARISON WITH PARENT MARKET, 2013–2019 (USD MN)

Figure 16 EUROPE ROTARY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 17 EUROPE STATIC TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 18 EUROPE MAGNETO-ELASTIC TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 19 EUROPE SURFACE ACOUSTIC WAVE (SAW) TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 20 EUROPE TORQUE SENSOR MARKET, BY APPLICATION, 2014 & 2019 (USD MN)

Figure 21 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Figure 22 EUROPE TORQUE SENSOR MARKET IN AUTOMOTIVE SECTOR, BY TYPE, 2014 & 2019 (USD MN)

Figure 23 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Figure 24 EUROPE TORQUE SENSOR MARKET IN INDUSTRIAL SECTOR, BY TYPE, 2014 & 2019 (USD MN)

Figure 25 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Figure 26 EUROPE TORQUE SENSOR MARKET IN TEST & MEASUREMENT SECTOR, BY TYPE, 2014 & 2019 (USD MN)

Figure 27 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Figure 28 EUROPE TORQUE SENSOR MARKET IN AEROSPACE & DEFENSE SECTOR, BY TYPE, 2014 & 2019 (USD MN)

Figure 29 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY GEOGRAPHY, 2013–2019 (USD MN)

Figure 30 EUROPE TORQUE SENSOR MARKET IN MEDICAL SECTOR, BY TYPE, 2014 & 2019 (USD MN)

Figure 31 EUROPE TORQUE SENSOR MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2014 & 2019 (USD MN)

Figure 32 GERMANY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 33 GERMANY TORQUE SENSOR MARKET: APPLICATION SNAPSHOT

Figure 34 U.K. TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 35 U.K. TORQUE SENSOR MARKET: APPLICATION SNAPSHOT

Figure 36 FRANCE TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 37 FRANCE TORQUE SENSOR MARKET: APPLICATION SNAPSHOT

Figure 38 ITALY TORQUE SENSOR MARKET, BY APPLICATION, 2013–2019 (USD MN)

Figure 39 ITALY TORQUE SENSOR MARKET: APPLICATION SNAPSHOT

Figure 40 TORQUE SENSOR MARKET: COMPANY SHARE ANALYSIS, 2013 (%)

Figure 41 TORQUE SENSOR: COMPANY PRODUCT COVERAGE, BY TYPE, 2014

## I would like to order

Product name: Europe Torque Sensor Market by Type (Rotary, Static/Reaction, Magneto-Elastic, SAW) by Application (Automotive, Industrial, Test & Measurement, Aerospace & Defense, Medical) by Geography – Analysis & Forecast to 2019

Product link: <https://marketpublishers.com/r/E04133B910EEN.html>

Price: US\$ 2,650.00 (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/E04133B910EEN.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