

# **Global Tactile Actuator Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023**

<https://marketpublishers.com/r/G178090752CEN.html>

Date: May 2018

Pages: 108

Price: US\$ 3,480.00 (Single User License)

ID: G178090752CEN

## **Abstracts**

The tiny vibration motors used in mobile terminals, game machines, etc. Small and high efficiency types are provided. The eccentric rotating mass (ERM) motor and linear resonant actuator (LRA) are two of the most common types of haptic feedback actuators used in the market today.

Scope of the Report:

This report focuses on the Tactile Actuator in global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, types and applications.

Market Segment by Manufacturers, this report covers

AAC Technologies

Nidec Corporation

MPlus Co.LTD

Jinlong Machinery & Electronics

Bluecom

Johnson Electric

Texas Instruments

TDK

Jahwa

PI Ceramic

Precision Microdrives

Novasentis

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)

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

Market Segment by Type, covers

Eccentric Rotating Mass (ERM) Actuators

Linear Resonant Actuators (LRAS)

Others

Market Segment by Applications, can be divided into

Mobile Terminal (Smartphone/Tablet)

Wearable Device

Automotive

Household Appliances

Others

There are 15 Chapters to deeply display the global Tactile Actuator market.

Chapter 1, to describe Tactile Actuator Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Tactile Actuator, with sales, revenue, and price of Tactile Actuator, 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 Tactile Actuator, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the key regions, 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, Tactile Actuator market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Tactile Actuator sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Tactile Actuator Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Eccentric Rotating Mass (ERM) Actuators
  - 1.2.2 Linear Resonant Actuators (LRAS)
  - 1.2.3 Others
- 1.3 Market Analysis by Applications
  - 1.3.1 Mobile Terminal (Smartphone/Tablet)
  - 1.3.2 Wearable Device
  - 1.3.3 Automotive
  - 1.3.4 Household Appliances
  - 1.3.5 Others
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (United States, Canada and Mexico)
    - 1.4.1.1 United States Market Status and Outlook (2013-2023)
    - 1.4.1.2 Canada Market Status and Outlook (2013-2023)
    - 1.4.1.3 Mexico Market Status and Outlook (2013-2023)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market Status and Outlook (2013-2023)
    - 1.4.2.2 France Market Status and Outlook (2013-2023)
    - 1.4.2.3 UK Market Status and Outlook (2013-2023)
    - 1.4.2.4 Russia Market Status and Outlook (2013-2023)
    - 1.4.2.5 Italy Market Status and Outlook (2013-2023)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market Status and Outlook (2013-2023)
    - 1.4.3.2 Japan Market Status and Outlook (2013-2023)
    - 1.4.3.3 Korea Market Status and Outlook (2013-2023)
    - 1.4.3.4 India Market Status and Outlook (2013-2023)
    - 1.4.3.5 Southeast Asia Market Status and Outlook (2013-2023)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market Status and Outlook (2013-2023)
    - 1.4.4.2 Egypt Market Status and Outlook (2013-2023)
    - 1.4.4.3 Saudi Arabia Market Status and Outlook (2013-2023)
    - 1.4.4.4 South Africa Market Status and Outlook (2013-2023)
    - 1.4.4.5 Nigeria Market Status and Outlook (2013-2023)
- 1.5 Market Dynamics

1.5.1 Market Opportunities

1.5.2 Market Risk

1.5.3 Market Driving Force

## **2 MANUFACTURERS PROFILES**

### **2.1 AAC Technologies**

2.1.1 Business Overview

2.1.2 Tactile Actuator Type and Applications

2.1.2.1 Type

2.1.2.2 Type

2.1.3 AAC Technologies Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.2 Nidec Corporation**

2.2.1 Business Overview

2.2.2 Tactile Actuator Type and Applications

2.2.2.1 Type

2.2.2.2 Type

2.2.3 Nidec Corporation Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.3 MPlus Co.LTD**

2.3.1 Business Overview

2.3.2 Tactile Actuator Type and Applications

2.3.2.1 Type

2.3.2.2 Type

2.3.3 MPlus Co.LTD Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.4 Jinlong Machinery & Electronics**

2.4.1 Business Overview

2.4.2 Tactile Actuator Type and Applications

2.4.2.1 Type

2.4.2.2 Type

2.4.3 Jinlong Machinery & Electronics Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.5 Bluecom**

2.5.1 Business Overview

2.5.2 Tactile Actuator Type and Applications

2.5.2.1 Type

2.5.2.2 Type

2.5.3 Bluecom Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6 Johnson Electric

2.6.1 Business Overview

2.6.2 Tactile Actuator Type and Applications

2.6.2.1 Type

2.6.2.2 Type

2.6.3 Johnson Electric Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7 Texas Instruments

2.7.1 Business Overview

2.7.2 Tactile Actuator Type and Applications

2.7.2.1 Type

2.7.2.2 Type

2.7.3 Texas Instruments Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8 TDK

2.8.1 Business Overview

2.8.2 Tactile Actuator Type and Applications

2.8.2.1 Type

2.8.2.2 Type

2.8.3 TDK Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9 Jahwa

2.9.1 Business Overview

2.9.2 Tactile Actuator Type and Applications

2.9.2.1 Type

2.9.2.2 Type

2.9.3 Jahwa Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10 PI Ceramic

2.10.1 Business Overview

2.10.2 Tactile Actuator Type and Applications

2.10.2.1 Type

2.10.2.2 Type

2.10.3 PI Ceramic Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.11 Precision Microdrives

2.11.1 Business Overview

#### 2.11.2 Tactile Actuator Type and Applications

##### 2.11.2.1 Type

##### 2.11.2.2 Type

#### 2.11.3 Precision Microdrives Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.12 Novasentis

##### 2.12.1 Business Overview

##### 2.12.2 Tactile Actuator Type and Applications

##### 2.12.2.1 Type

##### 2.12.2.2 Type

#### 2.12.3 Novasentis Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL TACTILE ACTUATOR SALES, REVENUE, MARKET SHARE AND COMPETITION BY MANUFACTURER (2016-2017)**

#### 3.1 Global Tactile Actuator Sales and Market Share by Manufacturer (2016-2017)

#### 3.2 Global Tactile Actuator Revenue and Market Share by Manufacturer (2016-2017)

#### 3.3 Market Concentration Rate

##### 3.3.1 Top 3 Tactile Actuator Manufacturer Market Share

##### 3.3.2 Top 6 Tactile Actuator Manufacturer Market Share

#### 3.4 Market Competition Trend

### **4 GLOBAL TACTILE ACTUATOR MARKET ANALYSIS BY REGIONS**

#### 4.1 Global Tactile Actuator Sales, Revenue and Market Share by Regions

##### 4.1.1 Global Tactile Actuator Sales and Market Share by Regions (2013-2018)

##### 4.1.2 Global Tactile Actuator Revenue and Market Share by Regions (2013-2018)

#### 4.2 North America Tactile Actuator Sales and Growth Rate (2013-2018)

#### 4.3 Europe Tactile Actuator Sales and Growth Rate (2013-2018)

#### 4.4 Asia-Pacific Tactile Actuator Sales and Growth Rate (2013-2018)

#### 4.5 South America Tactile Actuator Sales and Growth Rate (2013-2018)

#### 4.6 Middle East and Africa Tactile Actuator Sales and Growth Rate (2013-2018)

### **5 NORTH AMERICA TACTILE ACTUATOR BY COUNTRIES**

#### 5.1 North America Tactile Actuator Sales, Revenue and Market Share by Countries

##### 5.1.1 North America Tactile Actuator Sales and Market Share by Countries (2013-2018)

5.1.2 North America Tactile Actuator Revenue and Market Share by Countries (2013-2018)

5.2 United States Tactile Actuator Sales and Growth Rate (2013-2018)

5.3 Canada Tactile Actuator Sales and Growth Rate (2013-2018)

5.4 Mexico Tactile Actuator Sales and Growth Rate (2013-2018)

## **6 EUROPE TACTILE ACTUATOR BY COUNTRIES**

6.1 Europe Tactile Actuator Sales, Revenue and Market Share by Countries

6.1.1 Europe Tactile Actuator Sales and Market Share by Countries (2013-2018)

6.1.2 Europe Tactile Actuator Revenue and Market Share by Countries (2013-2018)

6.2 Germany Tactile Actuator Sales and Growth Rate (2013-2018)

6.3 UK Tactile Actuator Sales and Growth Rate (2013-2018)

6.4 France Tactile Actuator Sales and Growth Rate (2013-2018)

6.5 Russia Tactile Actuator Sales and Growth Rate (2013-2018)

6.6 Italy Tactile Actuator Sales and Growth Rate (2013-2018)

## **7 ASIA-PACIFIC TACTILE ACTUATOR BY COUNTRIES**

7.1 Asia-Pacific Tactile Actuator Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Tactile Actuator Sales and Market Share by Countries (2013-2018)

7.1.2 Asia-Pacific Tactile Actuator Revenue and Market Share by Countries (2013-2018)

7.2 China Tactile Actuator Sales and Growth Rate (2013-2018)

7.3 Japan Tactile Actuator Sales and Growth Rate (2013-2018)

7.4 Korea Tactile Actuator Sales and Growth Rate (2013-2018)

7.5 India Tactile Actuator Sales and Growth Rate (2013-2018)

7.6 Southeast Asia Tactile Actuator Sales and Growth Rate (2013-2018)

## **8 SOUTH AMERICA TACTILE ACTUATOR BY COUNTRIES**

8.1 South America Tactile Actuator Sales, Revenue and Market Share by Countries

8.1.1 South America Tactile Actuator Sales and Market Share by Countries (2013-2018)

8.1.2 South America Tactile Actuator Revenue and Market Share by Countries (2013-2018)

8.2 Brazil Tactile Actuator Sales and Growth Rate (2013-2018)

8.3 Argentina Tactile Actuator Sales and Growth Rate (2013-2018)

8.4 Colombia Tactile Actuator Sales and Growth Rate (2013-2018)



## **9 MIDDLE EAST AND AFRICA TACTILE ACTUATOR BY COUNTRIES**

### 9.1 Middle East and Africa Tactile Actuator Sales, Revenue and Market Share by Countries

#### 9.1.1 Middle East and Africa Tactile Actuator Sales and Market Share by Countries (2013-2018)

#### 9.1.2 Middle East and Africa Tactile Actuator Revenue and Market Share by Countries (2013-2018)

#### 9.2 Saudi Arabia Tactile Actuator Sales and Growth Rate (2013-2018)

#### 9.3 UAE Tactile Actuator Sales and Growth Rate (2013-2018)

#### 9.4 Egypt Tactile Actuator Sales and Growth Rate (2013-2018)

#### 9.5 Nigeria Tactile Actuator Sales and Growth Rate (2013-2018)

#### 9.6 South Africa Tactile Actuator Sales and Growth Rate (2013-2018)

## **10 GLOBAL TACTILE ACTUATOR MARKET SEGMENT BY TYPE**

### 10.1 Global Tactile Actuator Sales, Revenue and Market Share by Type (2013-2018)

#### 10.1.1 Global Tactile Actuator Sales and Market Share by Type (2013-2018)

#### 10.1.2 Global Tactile Actuator Revenue and Market Share by Type (2013-2018)

### 10.2 Eccentric Rotating Mass (ERM) Actuators Sales Growth and Price

#### 10.2.1 Global Eccentric Rotating Mass (ERM) Actuators Sales Growth (2013-2018)

#### 10.2.2 Global Eccentric Rotating Mass (ERM) Actuators Price (2013-2018)

### 10.3 Linear Resonant Actuators (LRAS) Sales Growth and Price

#### 10.3.1 Global Linear Resonant Actuators (LRAS) Sales Growth (2013-2018)

#### 10.3.2 Global Linear Resonant Actuators (LRAS) Price (2013-2018)

### 10.4 Others Sales Growth and Price

#### 10.4.1 Global Others Sales Growth (2013-2018)

#### 10.4.2 Global Others Price (2013-2018)

## **11 GLOBAL TACTILE ACTUATOR MARKET SEGMENT BY APPLICATION**

### 11.1 Global Tactile Actuator Sales Market Share by Application (2013-2018)

### 11.2 Mobile Terminal (Smartphone/Tablet) Sales Growth (2013-2018)

### 11.3 Wearable Device Sales Growth (2013-2018)

### 11.4 Automotive Sales Growth (2013-2018)

### 11.5 Household Appliances Sales Growth (2013-2018)

### 11.6 Others Sales Growth (2013-2018)

## **12 TACTILE ACTUATOR MARKET FORECAST (2018-2023)**

- 12.1 Global Tactile Actuator Sales, Revenue and Growth Rate (2018-2023)
- 12.2 Tactile Actuator Market Forecast by Regions (2018-2023)
  - 12.2.1 North America Tactile Actuator Market Forecast (2018-2023)
  - 12.2.2 Europe Tactile Actuator Market Forecast (2018-2023)
  - 12.2.3 Asia-Pacific Tactile Actuator Market Forecast (2018-2023)
  - 12.2.4 South America Tactile Actuator Market Forecast (2018-2023)
  - 12.2.5 Middle East and Africa Tactile Actuator Market Forecast (2018-2023)
- 12.3 Tactile Actuator Market Forecast by Type (2018-2023)
  - 12.3.1 Global Tactile Actuator Sales Forecast by Type (2018-2023)
  - 12.3.2 Global Tactile Actuator Market Share Forecast by Type (2018-2023)
- 12.4 Tactile Actuator Market Forecast by Application (2018-2023)
  - 12.4.1 Global Tactile Actuator Sales Forecast by Application (2018-2023)
  - 12.4.2 Global Tactile Actuator Market Share Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

- 13.1 Sales Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
  - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Tactile Actuator Picture

Table Product Specifications of Tactile Actuator

Figure Global Sales Market Share of Tactile Actuator by Types in 2017

Table Tactile Actuator Types for Major Manufacturers

Figure Eccentric Rotating Mass (ERM) Actuators Picture

Figure Linear Resonant Actuators (LRAS) Picture

Figure Others Picture

Figure Tactile Actuator Sales Market Share by Applications in 2017

Figure Mobile Terminal (Smartphone/Tablet) Picture

Figure Wearable Device Picture

Figure Automotive Picture

Figure Household Appliances Picture

Figure Others Picture

Figure United States Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure France Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure UK Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure China Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure India Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Tactile Actuator Revenue (Value) and Growth Rate (2013-2023)

Table AAC Technologies Basic Information, Manufacturing Base and Competitors

Table AAC Technologies Tactile Actuator Type and Applications

Table AAC Technologies Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Nidec Corporation Basic Information, Manufacturing Base and Competitors

Table Nidec Corporation Tactile Actuator Type and Applications

Table Nidec Corporation Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table MPlus Co.LTD Basic Information, Manufacturing Base and Competitors

Table MPlus Co.LTD Tactile Actuator Type and Applications

Table MPlus Co.LTD Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Jinlong Machinery & Electronics Basic Information, Manufacturing Base and Competitors

Table Jinlong Machinery & Electronics Tactile Actuator Type and Applications

Table Jinlong Machinery & Electronics Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Bluecom Basic Information, Manufacturing Base and Competitors

Table Bluecom Tactile Actuator Type and Applications

Table Bluecom Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Johnson Electric Basic Information, Manufacturing Base and Competitors

Table Johnson Electric Tactile Actuator Type and Applications

Table Johnson Electric Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Texas Instruments Basic Information, Manufacturing Base and Competitors

Table Texas Instruments Tactile Actuator Type and Applications

Table Texas Instruments Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table TDK Basic Information, Manufacturing Base and Competitors

Table TDK Tactile Actuator Type and Applications

Table TDK Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Jahwa Basic Information, Manufacturing Base and Competitors

Table Jahwa Tactile Actuator Type and Applications

Table Jahwa Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table PI Ceramic Basic Information, Manufacturing Base and Competitors

Table PI Ceramic Tactile Actuator Type and Applications

Table PI Ceramic Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Precision Microdrives Basic Information, Manufacturing Base and Competitors

Table Precision Microdrives Tactile Actuator Type and Applications

Table Precision Microdrives Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Novasentis Basic Information, Manufacturing Base and Competitors

Table Novasentis Tactile Actuator Type and Applications

Table Novasentis Tactile Actuator Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Global Tactile Actuator Sales by Manufacturer (2016-2017)

Figure Global Tactile Actuator Sales Market Share by Manufacturer in 2016

Figure Global Tactile Actuator Sales Market Share by Manufacturer in 2017

Table Global Tactile Actuator Revenue by Manufacturer (2016-2017)

Figure Global Tactile Actuator Revenue Market Share by Manufacturer in 2016

Figure Global Tactile Actuator Revenue Market Share by Manufacturer in 2017

Figure Top 3 Tactile Actuator Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Tactile Actuator Manufacturer (Revenue) Market Share in 2017

Figure Global Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Global Tactile Actuator Revenue and Growth Rate (2013-2018)

Table Global Tactile Actuator Sales by Regions (2013-2018)

Table Global Tactile Actuator Sales Market Share by Regions (2013-2018)

Table Global Tactile Actuator Revenue by Regions (2013-2018)

Figure Global Tactile Actuator Revenue Market Share by Regions in 2013

Figure Global Tactile Actuator Revenue Market Share by Regions in 2017

Figure North America Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Europe Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Tactile Actuator Sales and Growth Rate (2013-2018)

Figure South America Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Tactile Actuator Sales and Growth Rate (2013-2018)

Figure North America Tactile Actuator Revenue and Growth Rate (2013-2018)

Table North America Tactile Actuator Sales by Countries (2013-2018)

Table North America Tactile Actuator Sales Market Share by Countries (2013-2018)

Figure North America Tactile Actuator Sales Market Share by Countries in 2013

Figure North America Tactile Actuator Sales Market Share by Countries in 2017

Table North America Tactile Actuator Revenue by Countries (2013-2018)

Table North America Tactile Actuator Revenue Market Share by Countries (2013-2018)

Figure North America Tactile Actuator Revenue Market Share by Countries in 2013

Figure North America Tactile Actuator Revenue Market Share by Countries in 2017

Figure United States Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Canada Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Mexico Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Europe Tactile Actuator Revenue and Growth Rate (2013-2018)



Table Europe Tactile Actuator Sales by Countries (2013-2018)  
Table Europe Tactile Actuator Sales Market Share by Countries (2013-2018)  
Table Europe Tactile Actuator Revenue by Countries (2013-2018)  
Table Europe Tactile Actuator Revenue Market Share by Countries in 2013  
Table Europe Tactile Actuator Revenue Market Share by Countries in 2017  
Figure Germany Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure UK Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure France Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Russia Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Italy Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Asia-Pacific Tactile Actuator Revenue and Growth Rate (2013-2018)  
Table Asia-Pacific Tactile Actuator Sales by Countries (2013-2018)  
Table Asia-Pacific Tactile Actuator Sales Market Share by Countries (2013-2018)  
Table Asia-Pacific Tactile Actuator Sales Market Share by Countries 2017  
Table Asia-Pacific Tactile Actuator Revenue by Countries (2013-2018)  
Table Asia-Pacific Tactile Actuator Revenue Market Share by Countries 2017  
Figure China Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Japan Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Korea Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure India Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Southeast Asia Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure South America Tactile Actuator Revenue and Growth Rate (2013-2018)  
Table South America Tactile Actuator Sales by Countries (2013-2018)  
Table South America Tactile Actuator Sales Market Share by Countries (2013-2018)  
Figure South America Tactile Actuator Sales Market Share by Countries in 2017  
Table South America Tactile Actuator Revenue by Countries (2013-2018)  
Table South America Tactile Actuator Revenue Market Share by Countries (2013-2018)  
Figure South America Tactile Actuator Revenue Market Share by Countries in 2017  
Figure Brazil Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Argentina Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Colombia Tactile Actuator Sales and Growth Rate (2013-2018)  
Figure Middle East and Africa Tactile Actuator Revenue and Growth Rate (2013-2018)  
Table Middle East and Africa Tactile Actuator Sales by Countries (2013-2018)  
Table Middle East and Africa Tactile Actuator Sales Market Share by Countries (2013-2018)  
Figure Middle East and Africa Tactile Actuator Sales Market Share by Countries in 2017  
Table Middle East and Africa Tactile Actuator Revenue by Countries (2013-2018)  
Table Middle East and Africa Tactile Actuator Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Tactile Actuator Revenue Market Share by Countries in 2013

Figure Middle East and Africa Tactile Actuator Revenue Market Share by Countries in 2017

Figure Saudi Arabia Tactile Actuator Sales and Growth Rate (2013-2018)

Figure UAE Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Egypt Tactile Actuator Sales and Growth Rate (2013-2018)

Figure Nigeria Tactile Actuator Sales and Growth Rate (2013-2018)

Figure South Africa Tactile Actuator Sales and Growth Rate (2013-2018)

Table Global Tactile Actuator Sales by Type (2013-2018)

Table Global Tactile Actuator Sales Market Share by Type (2013-2018)

Table Global Tactile Actuator Revenue by Type (2013-2018)

Table Global Tactile Actuator Revenue Market Share by Type (2013-2018)

Figure Global Eccentric Rotating Mass (ERM) Actuators Sales Growth (2013-2018)

Figure Global Eccentric Rotating Mass (ERM) Actuators Price (2013-2018)

Figure Global Linear Resonant Actuators (LRAS) Sales Growth (2013-2018)

Figure Global Linear Resonant Actuators (LRAS) Price (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Others Price (2013-2018)

Table Global Tactile Actuator Sales by Application (2013-2018)

Table Global Tactile Actuator Sales Market Share by Application (2013-2018)

Figure Global Mobile Terminal (Smartphone/Tablet) Sales Growth (2013-2018)

Figure Global Wearable Device Sales Growth (2013-2018)

Figure Global Automotive Sales Growth (2013-2018)

Figure Global Household Appliances Sales Growth (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Tactile Actuator Sales, Revenue and Growth Rate (2018-2023)

Table Global Tactile Actuator Sales Forecast by Regions (2018-2023)

Table Global Tactile Actuator Market Share Forecast by Regions (2018-2023)

Figure North America Sales Tactile Actuator Market Forecast (2018-2023)

Figure Europe Sales Tactile Actuator Market Forecast (2018-2023)

Figure Asia-Pacific Sales Tactile Actuator Market Forecast (2018-2023)

Figure South America Sales Tactile Actuator Market Forecast (2018-2023)

Figure Middle East and Africa Sales Tactile Actuator Market Forecast (2018-2023)

Table Global Tactile Actuator Sales Forecast by Type (2018-2023)

Table Global Tactile Actuator Market Share Forecast by Type (2018-2023)

Table Global Tactile Actuator Sales Forecast by Application (2018-2023)

Table Global Tactile Actuator Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

## I would like to order

Product name: Global Tactile Actuator Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

Product link: <https://marketpublishers.com/r/G178090752CEN.html>

Price: US\$ 3,480.00 (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/G178090752CEN.html>