

# Haptics Technology - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/H4C73788532EN.html>

Date: September 2018

Pages: 172

Price: US\$ 4,150.00 (Single User License)

ID: H4C73788532EN

## Abstracts

According to Statistics MRC, the Global Haptics Technology Market is accounted for \$9.50 billion in 2017 and is expected to reach \$42.36 billion by 2026 growing at a CAGR of 18.1% during the forecast period. Some of the key drivers of the market include rising demand for haptics in gaming consoles and growing implementation of haptics in consumer electronic devices are fuelling the market growth. In addition, the use of haptics technology in the medical sector by doctors for training purpose in various surgical procedures is the major driving factor for market growth. However, high power consumption and high cost are inhibiting the market growth. Developing haptic and touch technology to improve the efficiency of medical simulations for invasive procedure represents a good opportunity for manufacturers.

Haptic technology provides an enhanced multi modal experience to the user by attractive touch, sight and sound. This technology is more and more used in customer's electronics such as tablets and smartphones as it deliver tactile feedback to its users. The usage of Haptics technology in joysticks, controllers and steering wheels and future video games enhances the user experience by engaging sound, light and touch which allows the users to feel and influence the virtual avatars and tools by incorporating Haptics into virtual world. It involves physical contact between the computer and the user. By using haptic devices, the user can not only supply information to the computer but can receive information from the computer.

By Feedback, Tactile feedback segment accounted for the largest market share in the global market due to its applications in customer electronic devices such as smartphones and tablets. Nearly all the smartphones and tablets are inbuilt with tactile feedback and the trend has been changing to wearable devices such as smartwatches and wristbands. In addition, it is driven by the rising demand in numerous applications

such as gaming, automotive, and healthcare.

By Geography, Asia Pacific commanded the largest market share due to most of the customers electronics are manufactured in this region. In addition, several automotive OEMs and medical device manufactures are integrating haptics into their products which would augment the market.

Some of the key players in Haptics Technology market include Texas Instruments, Inc, Johnson Electric Holdings Ltd., Haption S.A., Microchip Technologies, Inc., On Semiconductor Corporation, SMK Corporation, Synaptics Incorporated, Imagis Co., Ltd., Immersion Corporation, Force Dimension, Ultrahaptics, Geomagic, Inc., Senseg Oy and Precision Microdrives Ltd.

#### Feedbacks Covered:

Force Feedback

Tactile Feedback

#### Components Covered:

Software

Microcontrollers

Actuators

Drivers & Controllers

Electronics

Other Components

#### Applications Covered:

Gaming

Engineering

Education & Research

Medical

Automotive & Transportation

Aerospace

Military

Consumer Electronics

Commercial

Industrial

Defense

Gaming

POS & kiosks

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

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

Market share analysis of the top industry players

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 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

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

### **5 GLOBAL HAPTICS TECHNOLOGY MARKET, BY FEEDBACK**

- 5.1 Introduction
- 5.2 Tactile Feedback
- 5.3 Force Feedback
  - 5.3.1 Game pads
  - 5.3.2 Steering wheels
  - 5.3.3 Joysticks
  - 5.3.4 Trackball
  - 5.3.5 Gloves

## **6 GLOBAL HAPTICS TECHNOLOGY MARKET, BY COMPONENT**

- 6.1 Introduction
- 6.2 Software
  - 6.2.1 Application Software
  - 6.2.2 Control Software
- 6.3 Microcontrollers
- 6.4 Actuators
  - 6.4.1 Piezoelectric Actuator
  - 6.4.2 Eccentric Rotating Mass (ERM)
  - 6.4.3 Electroactive Polymer Actuators
  - 6.4.4 Linear Resonant Actuators (LRAs)
- 6.5 Drivers & Controllers
- 6.6 Electronics
- 6.7 Other Components

## **7 GLOBAL HAPTICS TECHNOLOGY MARKET, BY APPLICATION**

- 7.1 Introduction
- 7.2 Gaming
- 7.3 Engineering
- 7.4 Education & Learning
- 7.5 Medical
  - 7.5.1 Digital stethoscope
  - 7.5.2 Pulse Oximetry
  - 7.5.3 Infusion pump
  - 7.5.4 Other Medicals
- 7.6 Automotive & Transportation
  - 7.6.1 Body control module

- 7.6.2 Remote keyless entry
- 7.7 Aerospace
- 7.8 Military
- 7.9 Consumer Electronics
  - 7.9.1 Refrigerators
  - 7.9.2 Wireless keyboards and Mouse
  - 7.9.3 Washing Machines
  - 7.9.4 Tablets
  - 7.9.5 Gaming remotes
  - 7.9.6 Wearable
  - 7.9.7 Mobile phones
  - 7.9.8 Printers
  - 7.9.9 Personal Computer
- 7.10 Commercial
- 7.11 Industrial
- 7.12 Defense
- 7.13 POS & kiosks
- 7.14 Other Applications

## **8 GLOBAL HAPTICS TECHNOLOGY MARKET, BY GEOGRAPHY**

- 8.1 Introduction
- 8.2 North America
  - 8.2.1 US
  - 8.2.2 Canada
  - 8.2.3 Mexico
- 8.3 Europe
  - 8.3.1 Germany
  - 8.3.2 UK
  - 8.3.3 Italy
  - 8.3.4 France
  - 8.3.5 Spain
  - 8.3.6 Rest of Europe
- 8.4 Asia Pacific
  - 8.4.1 Japan
  - 8.4.2 China
  - 8.4.3 India
  - 8.4.4 Australia
  - 8.4.5 New Zealand



- 8.4.6 South Korea
- 8.4.7 Rest of Asia Pacific
- 8.5 South America
  - 8.5.1 Argentina
  - 8.5.2 Brazil
  - 8.5.3 Chile
  - 8.5.4 Rest of South America
- 8.6 Middle East & Africa
  - 8.6.1 Saudi Arabia
  - 8.6.2 UAE
  - 8.6.3 Qatar
  - 8.6.4 South Africa
  - 8.6.5 Rest of Middle East & Africa

## **9 KEY DEVELOPMENTS**

- 9.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 9.2 Acquisitions & Mergers
- 9.3 New Product Launch
- 9.4 Expansions
- 9.5 Other Key Strategies

## **10 COMPANY PROFILING**

- 10.1 Texas Instruments, Inc.
- 10.2 Johnson Electric Holdings Ltd.
- 10.3 Haption S.A.
- 10.4 Microchip Technologies, Inc.
- 10.5 On Semiconductor Corporation
- 10.6 SMK Corporation
- 10.7 Synaptics Incorporated
- 10.8 Imagis Co., Ltd.
- 10.9 Immersion Corporation
- 10.10 Force Dimension
- 10.11 Ultrahaptics
- 10.12 Geomagic, Inc.
- 10.13 Senseg Oy
- 10.14 Precision Microdrives Ltd.

## 12. LIST OF TABLES

Table 1 Global Haptics Technology Market Outlook, By Region (2016-2026) (US \$MN)

Table 2 Global Haptics Technology Market Outlook, By Feedback (2016-2026) (US \$MN)

Table 3 Global Haptics Technology Market Outlook, By Tactile Feedback (2016-2026) (US \$MN)

Table 4 Global Haptics Technology Market Outlook, By Force Feedback (2016-2026) (US \$MN)

Table 5 Global Haptics Technology Market Outlook, By Game pads (2016-2026) (US \$MN)

Table 6 Global Haptics Technology Market Outlook, By Steering wheels (2016-2026) (US \$MN)

Table 7 Global Haptics Technology Market Outlook, By Joysticks (2016-2026) (US \$MN)

Table 8 Global Haptics Technology Market Outlook, By Trackball (2016-2026) (US \$MN)

Table 11 Global Haptics Technology Market Outlook, By Gloves (2016-2026) (US \$MN)

Table 12 Global Haptics Technology Market Outlook, By Component (2016-2026) (US \$MN)

Table 13 Global Haptics Technology Market Outlook, By Software (2016-2026) (US \$MN)

Table 14 Global Haptics Technology Market Outlook, By Application Software (2016-2026) (US \$MN)

Table 15 Global Haptics Technology Market Outlook, By Control Software (2016-2026) (US \$MN)

Table 16 Global Haptics Technology Market Outlook, By Microcontrollers (2016-2026) (US \$MN)

Table 17 Global Haptics Technology Market Outlook, By Actuators (2016-2026) (US \$MN)

Table 18 Global Haptics Technology Market Outlook, By Piezoelectric Actuator (2016-2026) (US \$MN)

Table 19 Global Haptics Technology Market Outlook, By Eccentric Rotating Mass (ERM) (2016-2026) (US \$MN)

Table 20 Global Haptics Technology Market Outlook, By Electroactive Polymer Actuators (2016-2026) (US \$MN)

Table 21 Global Haptics Technology Market Outlook, By Linear Resonant Actuators (LRAs) (2016-2026) (US \$MN)

Table 22 Global Haptics Technology Market Outlook, By Drivers & Controllers

(2016-2026) (US \$MN)

Table 23 Global Haptics Technology Market Outlook, By Electronics (2016-2026) (US \$MN)

Table 27 Global Haptics Technology Market Outlook, By Other Components (2016-2026) (US \$MN)

Table 28 Global Haptics Technology Market Outlook, By Application (2016-2026) (US \$MN)

Table 29 Global Haptics Technology Market Outlook, By Gaming (2016-2026) (US \$MN)

Table 30 Global Haptics Technology Market Outlook, By Engineering (2016-2026) (US \$MN)

Table 31 Global Haptics Technology Market Outlook, By Education & Learning (2016-2026) (US \$MN)

Table 32 Global Haptics Technology Market Outlook, By Medical (2016-2026) (US \$MN)

Table 33 Global Haptics Technology Market Outlook, By Digital stethoscope (2016-2026) (US \$MN)

Table 34 Global Haptics Technology Market Outlook, By Pulse Oximetry (2016-2026) (US \$MN)

Table 35 Global Haptics Technology Market Outlook, By Infusion pump (2016-2026) (US \$MN)

Table 36 Global Haptics Technology Market Outlook, By Other Medicals (2016-2026) (US \$MN)

Table 37 Global Haptics Technology Market Outlook, By Automotive & Transportation (2016-2026) (US \$MN)

Table 38 Global Haptics Technology Market Outlook, By Body control module (2016-2026) (US \$MN)

Table 39 Global Haptics Technology Market Outlook, By Remote keyless entry (2016-2026) (US \$MN)

Table 40 Global Haptics Technology Market Outlook, By Aerospace (2016-2026) (US \$MN)

Table 41 Global Haptics Technology Market Outlook, By Military (2016-2026) (US \$MN)

Table 42 Global Haptics Technology Market Outlook, By Consumer Electronics (2016-2026) (US \$MN)

Table 43 Global Haptics Technology Market Outlook, By Refrigerators (2016-2026) (US \$MN)

Table 44 Global Haptics Technology Market Outlook, By Wireless keyboards and Mouse (2016-2026) (US \$MN)

Table 45 Global Haptics Technology Market Outlook, By Washing Machines

(2016-2026) (US \$MN)

Table 46 Global Haptics Technology Market Outlook, By Tablets (2016-2026) (US \$MN)

Table 47 Global Haptics Technology Market Outlook, By Gaming remotes (2016-2026) (US \$MN)

Table 48 Global Haptics Technology Market Outlook, By Wearable (2016-2026) (US \$MN)

Table 50 Global Haptics Technology Market Outlook, By Mobile phones (2016-2026) (US \$MN)

Table 51 Global Haptics Technology Market Outlook, By Printers (2016-2026) (US \$MN)

Table 52 Global Haptics Technology Market Outlook, By Personal Computer (2016-2026) (US \$MN)

Table 53 Global Haptics Technology Market Outlook, By Commercial (2016-2026) (US \$MN)

Table 54 Global Haptics Technology Market Outlook, By Industrial (2016-2026) (US \$MN)

Table 55 Global Haptics Technology Market Outlook, By Defense (2016-2026) (US \$MN)

Table 56 Global Haptics Technology Market Outlook, By POS & kiosks (2016-2026) (US \$MN)

Table 57 Global Haptics Technology Market Outlook, By Other Applications (2016-2026) (US \$MN)

Note North America, Europe, Asia Pacific, South America and Middle East & Africa are represented in above manner.

## I would like to order

Product name: Haptics Technology - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/H4C73788532EN.html>

Price: US\$ 4,150.00 (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/H4C73788532EN.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