

The Global Market for Surface Haptics

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Abstracts

Haptic technology stimulates a sense of touch in electronic devices by using different forces, motions or vibrations. Surface haptics focuses on the stimulation of a sense of touch in flat surfaces including computer screens, displays, smartphones, etc. The technology has come to the fore over the last few years, moving from development to production. As the market for smartphones and tablets reaches maturity, consumers are seeking features beyond functionality. Automotive Human Machine Interface (HMI) is a fast-growing sector but has significant usability and safety issues that can be resolved with the use of surface haptic technology. This report assesses the latest technical developments in the surface haptics market including:

Surface haptics technology analysis

The global surface haptics market is segmented into electrotactile, thermal and mechanical feedback technologies including Variable-friction surfaces, Pin arrays, Deformable devices, Electrostatic, Microfluidic, Shape memory, Magneto-Rheological, Electroactive polymers (EAPs), Haptic jamming, Ultrasonic vibration 28, Electromagnetic: ERMS, LRAS, VCMS, Acoustic vibration and Tactile overlays.

Surface haptics competitive analysis

The key players in the global surface haptics market are profiled including products and target markets.

Surface haptics end user market analysis

The global surface haptics end user application market is segmented into aerospace, automotive consumer electronics, gaming and AR/VR, healthcare, advertising & digital signage and other markets.

This report will answer the following questions:

How large is the current market for surface haptics?

What is the status of these technology areas?

What is driving deployment of these technologies?

What are the potential market opportunities?

Who are developing these technologies and in what market?

Report contents include:

Stage of commercialization for surface haptics, from basic research to market entry.

Market revenues forecasts to 2030.

Market drivers, trends and challenges, by end user markets.

In-depth market assessment of opportunities for surface haptics including revenues, growth rates, geographical split etc.

In-depth company profiles, including products and commercial activities.

Detailed forecasts for key growth areas, opportunities and user demand.

Recent industry developments.

Companies profiled in the report include Tanvas, Kyocera, Microsoft, Aito BV, Bosch, Nidec Corporation and many more.

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