

# Capacitive Sensor Market - Forecasts from 2020 to 2025

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## Abstracts

The capacitive sensor market is expected to surge with a CAGR of 6.79% to achieve a market size of US\$32.665 billion by 2025, from US\$22.020 billion in 2019. The rising manufacturing of automotive is one of the major drivers of the capacitive sensor market. Increasing demand for smartphones and gaming consoles worldwide is fueling the demand for capacitive touch displays, thus positively impacting the demand for capacitive sensors. The growing robotics industry will further bolster the growth of the capacitive sensor market in the coming years. Geographically, North America and Europe is estimated to hold a significant market share in the global capacitive sensor market. On the other hand, the Asia Pacific region will witness the fastest regional market growth during the forecast period owing to the booming consumer electronics industry in countries like China and India coupled with the growing adoption of automation processes across various end-use industries.

The emergence of medical robots is expected to fuel the market demand in the healthcare sector during the forecast period. Additionally, the use of professional robots in various industries is fueling the market demand.

There is widespread adoption of minimally invasive surgical procedures, this is further providing a platform for the medical robots utilizing capacitive sensing technology to thrive in the forecast period. A minimally invasive procedure helps the patients to recover fast as the incision made is very small in comparison to a normal surgery and the healing is also much faster. After the procedure is over, a patient's hospital stay is reduced and that too with minimum scars. Also, blood loss during surgery is highly prevented. The chances of complications post-surgery are highly reduced and the patient is free to perform his/her daily routine activities within a few weeks. Furthermore, the use of professional robots in end-use industries is driving the market growth with the

growing robotic technology. North America and Europe are expected to hold a significant market share in the use of the robots for industries among other regions of the world. According to the euRobotics AISBL, in 2015, over 30% of the professional service robots were originated from the European region. Most of the field robots were produced in Europe only. In addition, more than 50% of all the service robots for professional services originated from the American region. Many of those were used for defense purposes. In the medical sector as well, the medical robots in Europe and America accounted for a share of around 48% and around 51%, which is quite close. Other drivers supporting the growth of medical robots include early adoption of innovations, high health expenditure of Europe and North America, and well-established healthcare infrastructure. Furthermore, technological advancements in the field of medical robotics in addition to the rising number of applications of medical robots as surgical assistants, rehabilitation robots, medical transportation robots, sanitation, and disinfection robots will drive the market growth in the forecast period and in the upcoming years.

The growing adoption of interactive displays is further propelling the growth of the global capacitive sensor market in the forecast period.

With advancements in technology and digitization, the growing adoption of interactive displays has been observed among a wide range of end-users at the global level. This includes the use of touch-screen displays by various industries which include retail, hospitality, and entertainment among other industry verticals. Also, with the growing air traffic, the deployment of interactive displays in the airports has helped in providing ease and convenience to passengers with the provision of important information regarding flight status when required, fueling the market growth in the forecast period. In many business presentations, the use of multi-touch interactive displays is adding value to business data presentation in addition to gaining audience engagement and effective participation. Hence the use of interactive displays is having a high impact on the growth of the capacitive sensor market.

Segmentation:

By Capacitive Sensing Type

Mutual Capacitance

Self or Absolute Capacitance

## By End User Industry

Automotive

Aerospace and Defense

Healthcare

Consumer Electronics

Manufacturing

Others

## By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

UK

Germany

France

Others

Middle East and Africa

UAE

Israel

Saudi Arabia

Others

Asia Pacific

Japan

China

India

Australia

Others

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