

# **Global Automotive Ultrasonic Technologies Market Size study & Forecast, by Type (Proximity Detection, Range Measurement), by Application (Parking Assistance System, Blind Spot Detection, Others), by Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles, Electric Vehicles) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Automotive Ultrasonic Technologies Market is valued at approximately USD 1.66 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 8.5% over the forecast period 2023-2030. Automotive ultrasonic technologies are the application of ultrasonic waves in the automotive industry for various purposes, predominantly in the development of Advanced Driver-Assistance Systems (ADAS) and other safety features. Ultrasonic sensors, which operate at frequencies beyond the range of human hearing, are employed to detect objects, measure distances, and assist in parking, collision avoidance, and blind-spot monitoring. These sensors emit ultrasonic waves that bounce off surrounding objects, and the returning signals are analyzed to determine the object's distance and location. The Automotive Ultrasonic Technologies Market is expanding because of factors such as increasing demand for Advanced Driver-Assistance Systems (ADAS), the growing trend of autonomous and electric vehicles and rising vehicle production and sales.

The overall growth in global vehicle production and sales is a key driver for the Automotive Ultrasonic Technologies Market. As more vehicles are equipped with ultrasonic sensors as standard or optional features, the market for these technologies expands. The International Energy Agency estimates that there were more than 16.5 million electric vehicles in use worldwide in 2021, an increase of 61% is 10.2 million

units in the year 2020. Moreover, according to the European Automobile Manufacturers Association, In the year 2022, around 85.4 million motor vehicles were produced worldwide which indicated an increase of 5.7% compared to the year 2021. Rising vehicle sales and production are driving the market growth. In addition, the increase in parking concerns across the globe and stringent government regulation on the adoption of automated systems are creating new opportunities for market growth. However, the high cost of Automotive Ultrasonic Technologies stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Automotive Ultrasonic Technologies Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to rising technological advancement, rising adoption of autonomous vehicles, and rising demand for connected vehicles in the region. Europe is expected to grow at the fastest rate over the forecast period, owing to factors such as rising vehicle production, rising demand for electric vehicles, and rising development of ADAS technologies in the region.

Major market player included in this report are:

Aisin Corporation

Continental AG

Denso Corporation

Hyundai Mobis Co. Ltd.

Magna International Inc

Murata Manufacturing Co. Ltd.

Robert Bosch GMBH

TDK Corp.

Elmos Semiconductor SE

Valeo SA.

## Recent Developments in the Market:

In July 2023, Valeo, a leading global automotive technology provider, inaugurated a second production line in Gujarat dedicated to the manufacturing of ultrasonic sensors. The opening of this assembly line was officiated by Marc Vrecko, President of Valeo's Comfort and Driving Assistance Business Group.

In June 2023, Murata Manufacturing Co., Ltd. introduced a ultrasonic sensor device specifically crafted for automotive purposes. Named the MA48CF15-7N, this sensor boasts outstanding sensitivity and rapid response times, housed within a hermetically sealed package to protect against liquid infiltration.

## Global Automotive Ultrasonic Technologies Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, Application, Vehicle Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Proximity Detection

Range Measurement

By Application:

Parking Assistance System

Blind Spot Detection

Others

By Vehicle Type:

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

Electric Vehicles

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

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Rest of Middle East & Africa

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