

Airbag Sensor Market to Grow at a CAGR of 5.44% (2025-2032), Increasing Number of Road Accidents to Propel Market Growth

Airbag Sensor Market Size, Share & Industry Analysis, By Type, Vehicle Type, Position, Propulsion Type and Regional Forecasts, 2025-2032

PUNE, MAHARASHTRA, INDIA, June 2, 2025 /EINPresswire.com/ -- The global [airbag sensor market size](#) was USD 10.52 billion in 2022. The market is projected to grow from USD 10.96 billion in 2023 to USD 15.87 billion by 2030 at a CAGR of 5.44% during 2023-2030.

Airbag sensors are devices that send a signal to deploy the airbags when the vehicle enters a collision. These sensors monitor changes in pressure and detects sudden deceleration to identify if the vehicle has encountered a crash resulting in the deployment of the airbags. The increasing number of accidental deaths and road accidents yearly is expected to drive market growth during the forecast period. Fortune Business Insights™ mentioned this in a report titled, "Airbag Sensor Market, 2023-2030."

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Drivers & Restraints-

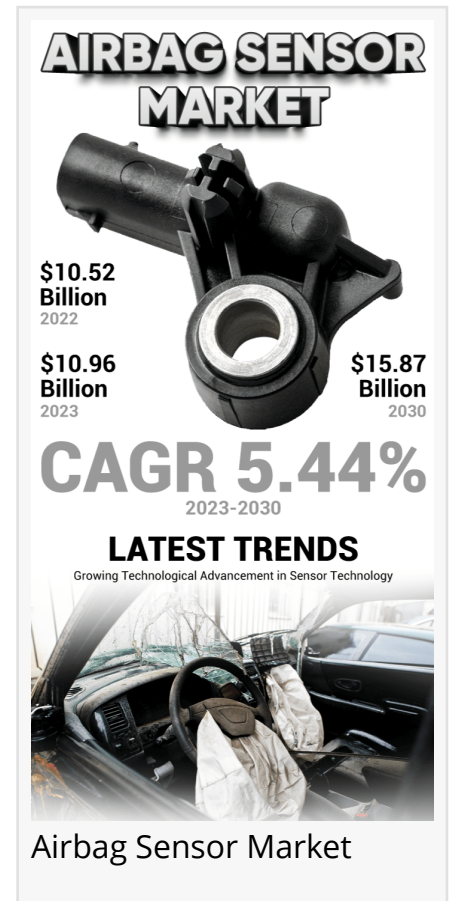
Introduction of New Safety Laws in Various Nations to Boost Market Growth

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North America dominated the global market with a share of 35.17% in 2022.”

Fortune Business Insights

Several nations are introducing new road and traffic laws to ensure public safety and decrease the rising number of road accidents, which are expected to drive market growth during the forecast period. For instance, in September 2022, the Indian government introduced a vehicle safety rule, which includes that all vehicles are required to be equipped with six [airbags for passengers' safety](#). Replacing



the airbag sensors or airbags is highly costly, hampering market growth during the forecast period.

COVID-19 Impact-

Increased Shortage of Materials, Components, and Goods During Pandemic Hindered Market Growth

The COVID-19 pandemic negatively impacted the airbag sensor market growth. The increased shortage in materials, goods, and components supplied in several countries during the COVID-19 pandemic hampered market growth. In 2021, the market could not recover completely due to disruptions in the supply chain, inflation, and shortages in semiconductors that hindered market growth during the pandemic.

Segments-

Rising Use of Mechanical Sensors to Detect Vehicle Collisions Augments Mechanical Sensors Segment

By type, the market is further segmented into mechanical and electrical. The mechanical segment held the largest market share in 2022 and is projected to maintain its market position during the forecast period. The growing use of mechanical airbag sensors to detect vehicle collisions, especially in the front, is driving the segment's growth during the forecast period.

Passenger Cars Segment's Growth is Driven by Increased Production and Sales of Passenger Cars

Based on vehicle type, the market is classified into passenger cars, light commercial vehicles, and heavy commercial vehicles. The passenger car segment dominated the market share in 2022 and accounted for high passenger vehicle demand in 2022. The growth is attributed to the increased production and sales of passenger cars globally.

Bumper Segment's Growth Augmented by Rising Need for Accurate Sensor Technologies in Vehicle Bumpers

By position, the market is segmented into bumper, side door, and engine. The bumper segment dominated the market in 2022 and is estimated to maintain its dominance during the forecast period. The rising need for accurate technologies in vehicle bumpers is expected to augment the segment's growth during the forecast period.

ICE Segment to Grow Due to Due To Their Reliability

Based on propulsion type, the market is segmented into ICE and electric. The ICE segment held the largest market share in 2022 and is expected to remain dominant during the forecast period. The growth is attributed to the increasing preference for ICE engines due to their reliability. Geographically, the market is studied across North America, Europe, Asia Pacific, and Rest of the World.

Report Coverage-

The report offers:

- Major growth drivers, restraining factors, opportunities, and potential challenges for the

market.

- Comprehensive insights into regional developments.
- List of major industry players.
- Key strategies adopted by the market players.
- The latest industry developments include product launches, partnerships, mergers, and acquisitions.

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Regional Insights-

Growing Consumer Awareness Regarding [Airbag Systems](#) to Aid Market Growth in North America

North America dominated the airbag sensor market in 2022. The growth is attributed to the rising consumer awareness regarding airbag systems and vehicle safety across the region.

Europe held the second-highest airbag sensor market share in 2022 and is estimated to witness significant growth during the forecast period. The growth is attributed to the strong focus of governments to enhance vehicle safety across Europe.

Competitive Landscape-

Key Players' Strong Distribution Network to Propel Market Growth

The market consists of major players, such as Continental AG, Robert Bosch GmbH, Denso Corporation, and others. These key market players have established a strong distribution network with various leading automobile manufacturers, further aiding market growth. Growing key players' focus on new product launches to strengthen their market position is estimated to drive market growth during the forecast period.

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List of Key Players Covered in Airbag Sensor Market Report:-

- Infineon Technologies AG (Germany)
- Mitsubishi Electric Co. Ltd. (Japan)
- Continental AG (Germany)
- NXP Semiconductors (Netherlands)
- ZF Friedrichshafen AG (Germany)
- Robert Bosch GmbH (Germany)
- Yanfeng Automotive Safety Systems Co. Ltd (China)
- Hella GmbH & Co. KGaA (Germany)
- Denso Corporation (Japan)
- Analog Devices Inc. (U.S.)

Airbag Sensor Market Segmentation:-

By Type

- Mechanical
- Electrical

By Vehicle Type

- Passenger Cars
- Light Commercial Vehicles
- Heavy Commercial Vehicles

By Position

- Bumper
- Side Door
- Engine

By Propulsion Type

- ICE
- Electric

Key Industry Development:

April 2023 – The U.S. government gave an award to Honda Motors for its advanced airbag system technology. The new technology from Honda Motors delivers a better design for managing lateral collision forces on the passenger's head.

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