

# Automotive Airbag Inflator Market by Type (Driver Airbag, Passenger Airbag, Curtain Airbag, Knee Airbag, Pedestrian Protection Airbag, Side Airbag), Operation (Pyrotechnic, Stored Gas, Hybrid), Vehicle Type (Passenger Car, Commercial Vehicle), and Region 2023-2028

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## Abstracts

The global automotive airbag inflator market size reached US\$ 4.65 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.03 Billion by 2028, exhibiting a growth rate (CAGR) of 4.33% during 2023-2028. The increasing sales of vehicles, rising focus on driver and passenger safety, and the growing awareness about vehicle safety represent some of the key factors driving the market.

An automotive airbag inflator is a device that generates gas to inflate an airbag in the event of a vehicle collision. It is a critical safety component in modern vehicles, which is installed in the steering wheel, dashboard, or door panels and triggered by sensors that detect a crash. It is powered by different mechanisms, including pyrotechnic, mechanical, or hybrid systems. It is utilized in inflatable seat belts, roof structures, and safety barriers for off road vehicles. At present, leading players are launching electric automotive airbag inflator that uses high voltage electrical discharge to generate the gas and help reduce the weight or complexity of the airbag system and improve the overall safety of the occupants.

Automotive Airbag Inflator Market Trends:

Increasing sales of passenger, autonomous, and luxury vehicles on account of rapid urbanization and inflating income levels represent one of the major factors driving the demand for automotive airbag inflators around the world. Moreover, the rising focus on

driver and passenger safety due to the growing number of fatal road accidents is influencing the market positively. In addition, governments of numerous countries are mandating the installation of airbags in vehicles. This, coupled with the increasing awareness about vehicle safety among the masses, is favoring the growth of the market. Apart from this, there is a rise in the use of automotive airbag inflators in commercial vehicles, such as buses, delivery vans, and trucks, to protect the occupant in the event of a collision. This, along with the increasing use of commercial trucks to transport cargo and the growing need for efficient delivery solutions to ensure a faster supply of products among consumers, is creating a positive outlook for the market. Furthermore, key players operating worldwide are introducing side-curtain and knee airbags to reduce the risk of injuries on the chest, knees, thighs, and hips. This, coupled with the advent of smart and adaptive airbag systems that use sensors and algorithms to determine the severity of a crash and the position of the occupants, improve performance and safety, and adjust the deployment of the airbag accordingly, is propelling the growth of the market. Besides this, the growing popularity of electric vehicles (EVs) among individuals is strengthening the growth of the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global automotive airbag inflator market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on type, operation, and vehicle type.

#### Type Insights:

- Driver Airbag
- Passenger Airbag
- Curtain Airbag
- Knee Airbag
- Pedestrian Protection Airbag
- Side Airbag

The report has provided a detailed breakup and analysis of the automotive airbag inflator market based on the type. This includes driver airbag, passenger airbag, curtain airbag, knee airbag, pedestrian protection airbag, and side airbag. According to the report, curtain airbag represented the largest segment.

#### Operation Insights:

Pyrotechnic  
Stored Gas  
Hybrid

A detailed breakup and analysis of the automotive airbag inflator market based on the operation has also been provided in the report. This includes pyrotechnic, stored gas, and hybrid. According to the report, pyrotechnic accounted for the largest market share.

Vehicle Type Insights:

Passenger Car  
Commercial Vehicle

The report has provided a detailed breakup and analysis of the automotive airbag inflator market based on the vehicle type. This includes passenger car and commercial vehicle. According to the report, passenger car represented the largest segment.

Regional Insights:

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific was the largest market for automotive airbag inflator. Some of the factors driving the Asia Pacific automotive airbag inflator market included rapid urbanization, increasing sales of vehicles, launch of smart airbags, etc.

#### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global automotive airbag inflator market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include ARC Automotive Inc., Autoliv Inc., Daicel Corporation, Joyson Safety Systems, Nippon Kayaku Co. Ltd., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

#### Key Questions Answered in This Report:

How has the global automotive airbag inflator market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global automotive airbag inflator market?

What is the impact of each driver, restraint, and opportunity on the global automotive airbag inflator market?

What are the key regional markets?

Which countries represent the most attractive automotive airbag inflator market?

What is the breakup of the market based on the type?

Which is the most attractive type in the automotive airbag inflator market?

What is the breakup of the market based on the operation?

Which is the most attractive operation in the automotive airbag inflator market?

What is the breakup of the market based on vehicle type?

Which is the most attractive vehicle type in the automotive airbag inflator market?

What is the competitive structure of the global automotive airbag inflator market?

Who are the key players/companies in the global automotive airbag inflator market?

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