

Automotive Seat Belt Pretensioner - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Automotive Seat Belt Pretensioner Market size is estimated at USD 16.94 billion in 2024, and is expected to reach USD 23.51 billion by 2029, growing at a CAGR of 6.78% during the forecast period (2024-2029).

Key Highlights

- The automotive seat belt pre-tensioner market has experienced significant growth over the years due to the increasing importance of occupant safety and stringent government regulations on vehicle safety standards. A pre-tensioner is a device that rolls up the seat belt and tightens around the occupant in the event of a collision, minimizing the risk of injury. These devices have become an important part of modern vehicles and contribute to the overall safety of occupants.
- However, the COVID-19 pandemic had a major impact on the automotive industry, including the seat belt pre-tensioner market. The global pandemic led to temporary closures of manufacturing plants and reduced car production and sales as economic uncertainty and travel restrictions reduced consumer demand. This led to a significant drop in demand for automotive seatbelt pre-tensioners in the early stages of the pandemic.
- In addition, supply chain disruptions due to lockdown measures and travel restrictions have affected the production and sales of auto parts, including seat belt pre-tensioners. Border closures and international trade restrictions have further impacted the availability of raw materials and components, exacerbating the challenges for manufacturers.
- However, as countries began to ease regulations and the automotive industry resumed operations, the seat belt pre-tensioner market began to show signs of recovery. The resumption of manufacturing activity, stagnant demand, and a gradual recovery in consumer confidence supported the market recovery. In addition, increased focus on occupant safety in post-pandemic scenarios and increased adoption of advanced safety features in vehicles have further increased the demand for seat belt pretensioners. Automakers are integrating advanced technologies such as pyrotechnic seatbelt pre-tensioners and electric seatbelt pre-tensioners to improve occupant protection and meet stringent safety regulations.

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-In addition, ongoing research and development activities aimed at improving the performance and efficiency of seat belt pre-tensioners are expected to drive market growth. Manufacturers are focused on developing lightweight, cost-effective belt tensioner systems that provide greater safety and passenger comfort.

Automotive Seat Belt Pretensioner Market Trends

Passenger Car Segment Expected to Hold Majority Share in the Market

- Over the years, pre-tensioners played a key role in improving the safety of passenger car occupants. Integrated into the seatbelt system, these devices are designed to instantly retract and tighten the seatbelt in the event of a crash or sudden deceleration, reducing the forward movement of the occupant and minimizing impact. Increased risk of injury.
- The growing awareness of passenger safety and the increase in traffic accidents worldwide are increasing the demand for advanced safety functions in vehicles. Governments and regulators have also introduced stringent safety standards, mandating the installation of seat belt pre-tensioners in passenger vehicles. To comply with safety regulations and meet consumer demand for safer vehicles, automakers are aggressively incorporating seatbelt pretensioners as standard or optional equipment into their vehicle models.
- Additionally, advances in technology have led to the development of more sophisticated seat belt tensioner systems. For instance, pyrotechnic pretensioners, which use small gunpowder to activate the pre-tensioner mechanism, are growing in popularity due to their effectiveness and reliability.
- In addition, automakers are focusing on improving overall occupant comfort and convenience with other safety features such as seatbelt pre-tensioners and seatbelt force limiters, adjustable top anchors, and seatbelt height adjusters. Leading to the integration of These integrated systems offering a comprehensive safety package and contributing to a better driving experience. Regionally, the passenger car seat belt pre-tensioner market recorded significant growth in various regions. For instance,

Asia-Pacific to Witness Fastest Growth over the Forecast Period

- Asia-Pacific is expected to occupy the largest share by volume and value due to the growing vehicle sales in the region. Countries such as China, South Korea, Japan, and India are the major manufacturers of automotive seatbelt pretensioners. The increasing number of premium vehicles and strict road safety norms are expected to drive the Asia-Pacific automotive seatbelt pretensioner market during the forecast period. For instance,
- As of 2003, only 24 million vehicles had been registered in China, whereas by 2018, that number had skyrocketed to 232.21 million cars. In 2020 alone, the number of newly registered vehicles in China amounted to around 20.17 million cars. Increasing vehicle production, upgradation of road infrastructure, and stringent road safety norms are expected to drive the Chinese automotive seatbelt pretensioner market.
- Increasing fatalities due to road accidents have forced governments across the region to take preventive measures and make seatbelts mandatory for both drivers and passengers.
- In 2018, South Korea introduced Universal Seatbelt Law, according to which every passenger traveling will have to wear a seatbelt. Violation of the law will attract a penalty of KRW 30,000, and those younger than 13 will be fined twice as high. Owing to the above-mentioned factors, the automotive seatbelt pretensioner market is expected to experience a boost in the Asia-Pacific region.

Automotive Seat Belt Pretensioner Industry Overview

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The market is said to be relatively consolidated, with about five players accounting for more than 50% of the market share. These companies have been expanding their businesses with new products to have an edge over their competitors.

Owing to increased demand for seatbelt pretensioners, several manufacturers are partnering with major players in the industry to source components for their upcoming vehicle models. For instance, in December 2021, BMW launched its new I4 at the BMW World event at corporate HQ in Munich. The new I4 equips a seat pretensioner system from Gedia Gebrueder Dingerkus.

Apart from these, several automobile manufacturers have been introducing seatbelt pretensioners in the wake of increased safety standards in virtually every country of the world.

For instance, Renault India, in June 2021, tested its most basic safety specifications in models that were offered with bare minimum features. The Triber model, for instance, showed significant improvements with improved chest and head protection for rear-seat passengers. The vehicle offers optimum head and body protection with the help of the proper positioning of center seat belts.

Some of the key players in the market are Joyson Safety Systems, Autoliv Inc., Tokai Rika Co. Ltd, and Iron Force Industrial Co. Ltd.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Study Assumptions

1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

4.1 Market Drivers

4.1.1 Passenger Car Segment Expected to Hold Majority Share in the Market

4.1.2 Others

4.2 Market Restraints

4.2.1 Disturbances in Supply Chain

4.2.2 Others

4.3 Industry Attractiveness - Porter's Five Forces Analysis

4.3.1 Bargaining Power of Suppliers

4.3.2 Bargaining Power of Consumers

4.3.3 Threat of New Entrants

4.3.4 Threat of Substitute Products

4.3.5 Intensity of Competitive Rivalry

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5 MARKET SEGMENTATION

5.1 By Technology

5.1.1 Retractor Pretensioner

5.1.2 Buckle Pretensioner

5.2 By Seat Type

5.2.1 Rear

5.2.2 Front

5.3 By Vehicle Type

5.3.1 Passenger Cars

5.3.2 Commercial Vehicles

5.4 By End-user Type

5.4.1 OEM

5.4.2 Aftermarket

5.5 By Geography

5.5.1 North America

5.5.1.1 United States

5.5.1.2 Canada

5.5.1.3 Rest of North America

5.5.2 Europe

5.5.2.1 Germany

5.5.2.2 United Kingdom

5.5.2.3 France

5.5.2.4 Russia

5.5.2.5 Spain

5.5.2.6 Rest of Europe

5.5.3 Asia-Pacific

5.5.3.1 India

5.5.3.2 China

5.5.3.3 Japan

5.5.3.4 South Korea

5.5.3.5 Rest of Asia-Pacific

5.5.4 South America

5.5.4.1 Brazil

5.5.4.2 Argentina

5.5.4.3 Rest of South America

5.5.5 Middle East and Africa

5.5.5.1 United Arab Emirates

5.5.5.2 Saudi Arabia

5.5.5.3 Rest of Middle East and Africa

6 COMPETITIVE LANDSCAPE

6.1 Vendor Market Share

6.2 Company Profiles

6.2.1 ZF Friedrichshafen AG

6.2.2 Autoliv Inc.

6.2.3 Ashimori Industry Co. Ltd

6.2.4 Joyson Safety Systems

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- 6.2.5 ITW Automotive Products GmbH
- 6.2.6 Continental AG
- 6.2.7 Hyundai Mobis Co. Ltd
- 6.2.8 Special Devices Inc.
- 6.2.9 Iron Force Industrial Co. Ltd
- 6.2.10 Tokai Rika Co. Ltd
- 6.2.11 Hasco Co. Ltd

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

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