

Autonomous Bus Door System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global autonomous bus door system market size reached US\$ 205.4 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 396.9 Million by 2028, exhibiting a growth rate (CAGR) of 11.6% during 2022-2028.

An autonomous bus door system is designed to eliminate human intervention and automatically operate the opening and closing of the bus doors. It relies on a combination of software and technologies like artificial intelligence (AI), light detection and ranging (LiDAR), radio detection and ranging (RADAR), cameras, and sensors to detect an individual within a specified proximity of the door. It assists in protecting doors from slamming and providing additional comfort and safety to passengers. As a result, its demand is escalating around the world.

Autonomous Bus Door System Market Trends:

The increasing demand for bus rapid transit (BRT) systems across the globe represent one of the key factors impelling the market growth. Apart from this, conventional, manually operated bus door systems are unsafe and incapable of ensuring passenger safety. They have led to a rise in the number of fatal accidents worldwide. As a result, autonomous bus door systems are gaining traction on account of their reduced traffic congestion benefits. Moreover, governing agencies of several countries are implementing stringent regulations to install autonomous bus door systems, which is positively influencing their sales across the globe. Furthermore, the increasing adoption of advanced driver assistance systems (ADAS) in autonomous bus door systems is preventing accidents. This, along with the escalating demand for fuel-efficient, high-performance and low-emission vehicles and significant investments in the transportation infrastructure, is creating a favorable market outlook. However, the outbreak of the highly contagious coronavirus disease and subsequent imposition of lockdowns in various economies to prevent the spread of the infection has severely affected the

growth of the market. The industry is projected to experience growth once restrictions are uplifted and operations in manufacturing units resume.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global autonomous bus door system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on bus type, door type, mechanism and propulsion type.

Breakup by Bus Type:

Shuttle Bus

City Bus

Intercity Bus

Coach

BRT Bus

Breakup by Door Type:

Conventional Doors

Folding Doors

Sliding Plug Doors

Coach Doors

Inward Gliding Doors

Breakup by Mechanism:

Pneumatic

Electric

Breakup by Propulsion Type:

IC Engine

Electric Engine

Breakup by Region:

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

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Circle Bus Door Systems Co. Ltd., Continental AG, Daimler AG, Ferro Doors A/S, KBT GmbH, Masats LLC, Scania AB (Volkswagen AG), Schaltbau Holding AG, Transport Door Solutions Ltd. (McGregor Young Group) and Ventura Systems CV.

Key Questions Answered in This Report:

How has the global autonomous bus door system market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global autonomous bus door system market?

What are the key regional markets?

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

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

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

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

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global autonomous bus door system market and who are the key players?

What is the degree of competition in the industry?

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