

Advanced Suspension Control System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global advanced suspension control system market size reached US\$ 13.4 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 22.7 Billion by 2027, exhibiting a growth rate (CAGR) of 8.97% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

An advanced suspension control system refers to an automobile component that is designed to provide enhanced support to the vehicle body. It provides suspension to tires, through springs, shock absorbers and linkages, which connect the vehicle to the wheels and facilitates relative motion between the two. The system can decelerate the speed of the vehicle and minimize suspension deflection, which improves vehicle maneuverability by managing road-holding and ride quality. In comparison to the traditionally used suspension control systems, these advanced variants are more robust and can be used for compact and mid-size cars, along with light and heavy commercial vehicles.

Significant growth in the automotive industry and the increasing demand for lightweight and energy-efficient components, represent as the key factors creating a positive outlook for the market. Furthermore, the rising demand for semi-utility vehicles (SUVs) and luxurious sports cars is also augmenting the market growth. Advanced suspension control systems can adapt to the vehicle's leveling and damping properties, which aid in improving the performance and overall safety and comfort for the driver. Additionally, various technological advancements, such as the development of suspension control systems with minimal tailpipe emissions, are acting as other growth-inducing factors.

Product manufacturers are creating electronically controlled air suspension systems that are integrated with hydraulic and mechanical components for superior oil flow and control of spring and damping forces. Other factors, including improvements in the design and manufacturing techniques of suspension systems, along with extensive research and development (R&D) activities, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global advanced suspension control system market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on system type, component, vehicle, vehicle type and sales channel.

Breakup by System Type:

Semi-Active Suspension System

Active Suspension System

Breakup by Component:

Springs

Shock Dampeners

Struts

Control Arms

Ball Joints

Others

Breakup by Vehicle:

Passenger Cars

Commercial Vehicles

Others

Breakup by Vehicle Type:

Conventional

Gasoline-Based

Diesel-Based

Hybrid

Electric

Breakup by Sales Channel:

OEMs

Aftermarket

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 with some of the key players being BWI Group, Continental AG, Hitachi Automotive Systems Ltd., Infineon Technologies AG, Lord Corporation, Marelli Europe S.P.A., Schaeffler AG, The Mando Corporation, ThyssenKrupp AG and ZF Friedrichshafen AG.

Key Questions Answered in This Report:

How has the global advanced suspension control 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 advanced suspension control system market?

What are the key regional markets?

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

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

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

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

What is the breakup of the market based on the sales channel?

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 advanced suspension control system market and who are the key players?

What is the degree of competition in the industry?

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