

Automotive Ignition System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global automotive ignition system market size reached US\$ 7.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 12.1 Billion by 2028, exhibiting a growth rate (CAGR) of 7.8% during 2022-2028.

The automotive ignition system refers to an ignition circuit that generates sparks or heat in automobiles. The three common methods of ignition used in these systems include compression ignition, simultaneous ignition and coil-on-plug (COP) ignition. They consist of an ignition switch, ignition coil, distributor, high tension cable and spark plug. These components supply high voltage current to the spark plugs in the engine cylinders, which produces electric sparks in the gaps between spark plugs. The heat generated from these sparks further ignites the compressed air-fuel mixture in the combustion chamber, thereby powering the vehicle. As a result, automotive ignition systems find extensive applications in petrol engine vehicles, such as passenger cars, motorcycles, light and heavy commercial vehicles (L/HCVs).

The growing automotive industry across the globe represents one of the key factors driving the market growth. Due to rising environmental consciousness among the masses, there is an increasing demand for ignition systems that offer improved operational efficiency and fuel economy. This, along with the widespread adoption of laser ignition systems, is also favoring the market growth. Various technological advancements, such as rapid electrification of the automotive industry and the development of electronic ignition systems integrated with sensors, switches and transistors, are acting as other growth-inducing factors. In comparison to the traditionally used mechanical systems, these modern variants offer improved horsepower levels and more accurate and reliable flow of current. Other factors, including the implementation of favorable government policies to manage the levels of carbon emissions into the environment, along with rising expenditure capacities of

consumers, 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 automotive ignition system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on engine type, ignition type, component, vehicle type and sales channel.

Breakup by Engine Type:

Gasoline

Diesel

Breakup by Ignition Type:

Coil on Plug Ignition

Simultaneous Ignition

Compression Ignition

Breakup by Component:

Ignition Switch

Spark Plug

Glow Plug

Ignition Coil

Others

Breakup by Vehicle Type:

Passenger Cars

Commercial Vehicle

Others

Breakup by Sales Channel:

OEM

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 report has also analysed the competitive landscape of the market with some of the key players being BorgWarner Inc., Continental AG (Schaeffler Group), Denso Corporation, Diamond Electric Mfg. Co. Ltd., Federal-Mogul Corporation (Tenneco Inc.), Hitachi Ltd., Mitsubishi Electric Corporation, NGK Spark Plug Co. Ltd., Robert Bosch Gmbh and Valeo.

Key Questions Answered in This Report:

How has the global automotive ignition 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 automotive ignition system market?

What are the key regional markets?

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

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

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

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 automotive ignition system market and who are the key players?

What is the degree of competition in the industry?

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