

Gasoline Direct Injection Systems - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/G205419B1CDEN.html>

Date: November 2018

Pages: 181

Price: US\$ 4,150.00 (Single User License)

ID: G205419B1CDEN

Abstracts

According to Statistics MRC, the Global Gasoline Direct Injection Systems Market is accounted for \$3,589 million in 2017 and is expected to reach \$13,399.35 million by 2026 growing at a CAGR of 15.8% during the forecast period. Some of the key factors driving the market growth include a rise in demand for fuel-efficient, rising the demand for electrical components in a vehicle and improved engine performance & thermal efficiency. On the other side factors such as high cost of GDI system due to elevated pressure components and raise in penetration of electric vehicles hinder the market growth.

Gasoline direct injection (GDI) system is a variety of fuel injection in use in modern 2-stroke and 4-stroke fuel engines. It is extremely pressurized, and injected via a common rail fuel line straight into the combustion chamber of each cylinder, as opposed to conventional multipoint fuel injection that injects fuel into the intake tract or cylinder port. Directly injecting fuel into the combustion chamber requires high-pressure injection, whereas low pressure is used injecting into the intake tract or cylinder port.

By Component, fuel injector is anticipated to have significant growth over the forecast period. It can shift five times quicker than other injectors, providing accurate control over injection intervals in a vehicle. Furthermore, these injectors can also present the response to the ECU on injection interval, by producing minute variation in the electricity used to start them. Such benefits will drive the adoption of these type fuel injectors in automobiles in the coming years, consequently fuelling the growth of the segment.

By Geography, Europe is projected to grow subsequently high than other regions. It is owing to the fact that most of the countries are readily shifting towards high fuel economy technology. Most of the countries In this region has high in fuel economy

readiness index. By considering all these factors, Europe has elevated growth rate in technology development and market growth.

Some of the key players in the Gasoline Direct Injection Systems market are Aptiv, Bajaj Auto Ltd, Bosch, Continental, Delphi, DENSO, Eaton Corporation, GP Performance, Hitachi Automotive Systems, Infineon Technologies, Keihin, Magneti Marelli, MAHLE, Mitsubishi Electric Corp, MSR-Jepsen Technologies, Park-Ohio, Renesas, Robert Bosch, Schaeffler, Stanadyne Holdings, ST Microelectronics, TI Automotive (Heidelberg) and Valeo.

Hybrid Vehicles Covered:

Plug-In Electric Vehicle (PHEV)

Hybrid Electric Vehicle (HEV)

Components Covered:

Fuel Pump

Engine Control Unit (ECU)

Sensors

Fuel Rail

Fuel Injectors

Sale Channels Covered:

Aftermarket

OEM

Technologies Covered:

Gasoline Turbocharger

Gasoline Particulate Filter (GPF)

Engine Types Covered:

V8

V6

I4

I3

Other Engine Types

Stroke Types Covered:

4 Stroke

2 Stroke

Vehicle Types Covered:

Coupe

Pickup trucks

Sedan

Hatchback

SUV/MPVs

Type Covered:

Four-cylinder GDI

Six-cylinder GDI

Other Types

Applications Covered:

Light Trucks

Passenger Vehicle

Commercial Vehicles (CV)

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

WHAT OUR REPORT OFFERS:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments, and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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Note: North America, Europe, Asia Pacific, South America, and Middle East & Africa are represented in the above manner.

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