

Automotive Fuel Injection Systems Market by Technology (Port Fuel, Gasoline Direct, & Direct Diesel), Fuel Type (Gasoline & Diesel), Region (APAC, Europe, North America, & RoW), Vehicle Type (PC, LCV, & HCV), and by Component - Trends & Forecast to 2020

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Abstracts

The demand for automotive fuel injection system is governed by global vehicle production. Improved fuel efficiency & power output, reliability, ability to accommodate alternative fuels, and stringent exhaust emissions are some of the factors that are driving the demand for fuel injection systems in the automobile industry. Rising demand from countries such as China, India, and Brazil for two -wheelers is creating new growth opportunities for fuel injection systems. The overall demand of fuel injection system is expected to increase at a promising rate in the future.

The purpose of the fuel injection system is to calibrate and optimize the fuel/air ratio that enters the engine of a vehicle. The injection system consists of electronic components and sensors. It must be well-calibrated to maximize engine power & efficiency and to reduce gas consumption. The fuel injection system in gasoline engine cars is mostly indirect, with gasoline being injected into the inlet manifold or inlet port rather than directly into the combustion chambers. This ensures that the fuel is well mixed with the air before it enters the chamber. However, gasoline direct injection is an advanced injection system for gasoline engines that offers improved performances, and significant reductions in fuel consumption and emissions. Most of the diesel engines, however, use direct injection where diesel is injected directly into the cylinder filled with compressed air.

This report estimates the global automotive fuel injection market for 2015 and projects demand for the same by 2020. It provides detailed qualitative and quantitative analysis of the global market. The report also provides a qualitative outlook for off-highway fuel injection systems. The research methodology used in the report involves utilization of various secondary sources, such as automotive associations, company websites, encyclopedias, directories, and databases to identify and collect information useful for an extensive and commercial market study. Primary sources, such as experts from relevant industries and suppliers have been interviewed to obtain and verify critical information as well as to assess the future prospects of the automotive fuel injection market.

The report segments the market based on vehicle types (passenger car, light commercial vehicles, and heavy commercial vehicles), by region (Asia-Pacific, Europe, North America, and rest of the world), fuel types (gasoline and diesel), by technology (port injection, gasoline direct injection, and diesel direct injection), components (injectors, ECU, pressure regulators, and fuel pumps), and provides market forecast in terms of volume (in thousand units) and value (USD million) for above mentioned segments. The report also covers Porter's Five Forces Analysis, value chain, and qualitative data about drivers, restraints, and opportunities presented by the global fuel injection system market.

SCOPE OF THE REPORT

The global fuel injection system market is analyzed in terms of volume (thousand units) and value (USD million) for the mentioned segments.

SCOPE OF THE REPORT

By Region

Asia-Pacific

Europe

North America

RoW

By Components

Fuel injectors

Electronic Control Unit (ECU)

Fuel Pressure Regulator (FPR)

Fuel pump

By Vehicle Types

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

By Engine Types

Gasoline/Petrol

Diesel

By Technology

Gasoline injection

Port fuel injection

Direct injection

Diesel injection

Direct injection

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