

Diesel Common Rail Injection System Market Report by Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), Fuel Injector Type (Solenoid Injector, Piezoelectric Injector), Engine (Old Diesel Engine, CRDI Engine), Sales Channel (OEMs, Aftermarket), and Region 2024-2032

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Abstracts

The global diesel common rail injection system market size reached US\$ 3.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.8 Billion by 2032, exhibiting a growth rate (CAGR) of 3.2% during 2024-2032.

Common rail refers to a direct fuel injection system used in modern diesel engines. It relies on a fuel pump to maintain pressure and fuel injectors to control the timing and amount of fuel injected. It ensures that the fuel injection atomization or fuel spray is regulated electronically using a programmable control module, which allows multiple injections at any pressure while providing a level of flexibility for better power, fuel consumption, and emission control.

Diesel Common Rail Injection System Market Trends:

There is currently a rise in the demand for diesel engines across the globe due to their better fuel economy and longer shelf life. This, along with the growing utilization of commercial vehicles to transport goods and passengers for increasing profit of an individual or business, represents one of the key factors driving the market. Moreover, key market players are extensively investing in research and development (R&D) activities to introduce enhanced injection technologies. This, coupled with the rising demand for diesel vehicles compared to petrol vehicles due to the lower prices of diesel, is propelling the growth of the market. Besides this, governments of several countries

are implementing stringent regulations to prevent greenhouse gas emissions. In line with this, the increasing employment of diesel common rail injection systems to reduce the emissions of nitrogen dioxide (NO₂) is offering lucrative growth opportunities to industry investors. Apart from this, the growing applications of diesel engines in the heavy construction equipment to achieve a higher torque even at lower speeds and greater revolutions per minute (RPM) is projected to catalyze the employment of diesel common rail injection systems in the construction industry.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global diesel common rail injection system market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on vehicle type, fuel injector type, engine and sales channel.

Breakup by Vehicle Type:

- Passenger Cars
- Light Commercial Vehicles
- Heavy Commercial Vehicles

Breakup by Fuel Injector Type:

- Solenoid Injector
- Piezoelectric Injector

Breakup by Engine:

- Old Diesel Engine
- CRDI Engine

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 along with the profiles of the key players being BorgWarner Inc., Continental AG, Cummins Inc., Dell'Orto S.p.A., DENSO Corporation, Eaton Corporation PLC, Ganser CRS AG, HYUNDAI KEFICO Corporation (Hyundai Motor Company), Magneti Marelli S.p.A. and Robert Bosch GmbH.

Key Questions Answered in This Report

1. How big is the global diesel common rail injection system market?
2. What is the expected growth rate of the global diesel common rail injection system market during 2024-2032?
3. What are the key factors driving the global diesel common rail injection system market?
4. What has been the impact of COVID-19 on the global diesel common rail injection system market?

5. What is the breakup of the global diesel common rail injection system market based on the vehicle type?
6. What are the key regions in the global diesel common rail injection system market?
7. Who are the key players/companies in the global diesel common rail injection system market?

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