


Gasoline Direct Injection (GDI) System Market \$7.6B in 2020 Projected to Reach \$20.4B by 2030 CAGR of 10.8% (2021-2030)

PORTLAND, OREGAON, UNITED STATES, April 16, 2024 /EINPresswire.com/ -- According to the report published by Allied Market Research, the global [gasoline direct injection \(GDI\) system market](#) has experienced a substantial growth valued at \$7.6 billion in 2020, and is anticipated to reach \$20.4 billion by 2030, generating a CAGR of 10.8%, from 2021 to 2030..



GASOLINE DIRECT INJECTION (GDI) SYSTEM MARKET

OPPORTUNITIES AND FORECAST, 2020 - 2030

Gasoline direct injection (gdi) system market is expected to reach **\$20.4 Billion** in 2030

Growing at a **CAGR of 10.8%** (2021-2030)

Gasoline Direct Injection (GDI) System

□□□□□□□□ □□□□□□□□

Gasoline direct injection (GDI) system injects fuel directly into the combustion chamber at high pressure. GDI precise fuel injection allows for superior control over the air-fuel mixture, leading to improved combustion efficiency, reduced fuel consumption, and lower emissions. In a GDI system, fuel is pressurized using a high-pressure fuel pump and injected straight into the chamber of combustion through a fuel injector located near the spark plug. By delivering fuel directly to the combustion chamber, GDI systems optimize the air-fuel mixture for each engine cycle, resulting in more efficient combustion and overall enhanced engine performance.

□□□□□□□□ □□□□□□ □□□□□□ : <https://www.alliedmarketresearch.com/request-sample/1783>

□□□□□□ □□□□□□□□

The [GDI system market](#) has shown consistent growth in recent years due to various factors. These include the implementation of strict emission regulations, a rise in need for fuel-efficient vehicles, and advancements in engine technology. GDI systems have gained popularity as they deliver fuel directly into the combustion chamber at high pressure, resulting in improved fuel atomization, enhanced combustion efficiency, and reduced fuel consumption.

The market is poised for growth despite challenges such as the substantial value of gasoline direct injection systems and the shift toward vehicle electrification. The integration of GDI

systems in bi-fuel vehicles, technical innovations, and increase in demand for private vehicles in developing nations are expected to drive growth during the projection period.

Automakers are facing the challenge of improving the fuel efficiency of their cars with the

increasing focus on environmental sustainability and fuel costs. GDI systems play a crucial role in

this regard by streamlining the combustion process, resulting in optimal fuel efficiency and lower carbon emissions. As a result, there is an increasing demand for vehicles that are equipped with GDI systems across various segments, including passenger cars, light trucks, and SUVs.

The incorporation of GDI with hybrid and electric powertrains has gained significant attention as

the automotive industry moves toward electrification. GDI technology plays a crucial role in enhancing the combustion efficiency of internal combustion engines (ICE) in hybrid vehicles, thereby complementing electrified powertrains. In addition, GDI systems are effectively utilized in range-extender engines for electric vehicles (EVs), resulting in improved overall efficiency and extended driving range.

The global [gasoline direct injection \(GDI\) system market size](https://www.alliedmarketresearch.com/gasoline-direct-injection-system-gdi-market/purchase-options) is segmented into component,

engine type, vehicle type, and sales channel. Depending on component, the market is classified into fuel injectors, fuel pumps, electronic control units, and others. By engine type, it is divided into 4 cylinder, 6 cylinder, 8 cylinder, and others. According to vehicle type, the market is bifurcated into passenger cars and commercial vehicles. As per sales channel, it is categorized into original equipment manufacturer and aftermarket.

For more information, visit our website: <https://www.alliedmarketresearch.com/gasoline-direct-injection-system-gdi-market/purchase-options>

The industry report provides a comprehensive regional analysis covering Asia-Pacific, North

America, LAMEA, and Europe. In Asia-Pacific, the analysis includes China, Japan, India, South Korea, and the Rest of Asia-Pacific. In North America, the market analysis is conducted across the U.S., Canada, and Mexico. The LAMEA section encompasses the industry analysis in Africa, Latin America, and the Middle East. Moreover, the Europe region focuses on Germany, the UK, France, Italy, and the Rest of Europe.

□□□□□□□□ □□□□□□□□

The report highlights the latest innovations & advancements within the industry and includes comprehensive information about the financial accomplishments of market players. In addition, it includes interviews with key stakeholders in the field, allowing businesses to gain a thorough understanding of the market. These interviews offer valuable perspectives on the strategies implemented by industry players to attain a competitive edge.

□□□□□□□□□□ □□□□□□□□

The competitive analysis in the report contains top market players with their company profiles and strategies adopted by them to sustain the competitive market. These strategies involve partnerships, acquisitions, mergers, collaborations, and new product launches.

□□□□□□□□ □□□□□□ □□□□□□□□ :

Renesas Electronics Corporation(Japan),

Nostrum Energy (U.S.),

GP Performance(Germany),

Infineon Technologies AG (Germany),

Synerject LLC (U.S.)

□□□□□□□□ □□□□□□ □□□□□□ : <https://www.alliedmarketresearch.com/purchase-enquiry/1783>

□□□ □□□□□□□□□□ □□□□□□□□ □□ □□□□ □□□□□□

What are the key factors driving the market growth?

What is the estimated growth rate of the market during the forecast period?

What are the key strategies adopted by leading players?

□□□□□□ □□ :

Allied Market Research (AMR) is a full-service market research and business consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions. AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and

achieve sustainable growth in their respective market domain.

We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+1 5038946022

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/703981767>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.