

Global Cylinder Deactivation System Market by component (Engine Control Unit, Valve Solenoid, Electronic Throttle Control) by Valve Actuation Method (Overhead Camshaft & Pushrod Design), By Number of cylinders (4 Cylinders, 6 Cylinders and Above), by Fuel Type (Gasoline & Diesel), by Vehicle Type (Passenger Vehicle & LCV), Regional Forecasts 2021-2027

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Abstracts

Global Cylinder Deactivation System Market is valued approximately at USD 4.6 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 1.9% over the forecast period 2021-2027. When the automobile is cruising, cylinder valves are activated by a solenoid and restrict air and fuel from entering the engine. When the engine's full power is not required, combustion takes place only in half of the engine and substantially less fuel is used, resulting in increased fuel efficiency and lower CO2 emissions. Cylinder deactivation also lowers fuel combustion and emissions. Governments of numerous countries are becoming increasingly worried about the impact of increased automobile use on the environment. As a result, they have imposed several of the new regulations on manufacturers, while several emerging countries have demanded that their engine standards be upgraded. Over the projected period, this is expected to fuel the expansion of the cylinder deactivation system market. For instance, In October 2019, Eaton revealed its regulatory test cycles and real-world use of its cylinder-deactivation (CDA) technology. Between 2024 and 2027, the CDA can play a critical role in aiding commercial vehicle manufacturers in achieving or exceeding US emissions requirements. The company is a long-time leader in CDA technology, which is now installed in over 14 million passenger vehicles across the world. By 2024,

Eaton's CDA technology will be available for commercial vehicles in single- and double-overhead cam engines, as well as cam-in-block engines. However, Excessive Oil Consumption in Vehicles, may impede market growth over the forecast period of 2021-2027.

North America is dominating the cylinder deactivation system market. Cylinder deactivation technology has already been used by leading manufacturers in the region. In addition, the North American market for light commercial vehicles is the largest. Light commercial vehicle sales are constantly rising. Regulatory mandates for vehicle emissions have also fueled the demand for advanced technology.

Major market player included in this report are:

Robert Bosch
Delphi Technologies
Schaeffler AG
Delphi Technologies
Schaeffler AG
Eaton Corporation
Continental AG
Denso Corporation
Valeo Automaker Company
FEV Europe GmbH
Mitsubishi Electric Corporation
Hitachi Multinational conglomerate company

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:
Engine Control Unit
Valve Solenoid

Electronic Throttle Control

By valve actuation method:

Overhead Camshaft Design

Pushrod Design

By Number of cylinders

4 Cylinders

6 Cylinders and Above

By Fuel type:

Gasoline

diesel

By vehicle type:

Passenger vehicle

Light commercial vehicle

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Global Cylinder Deactivation System Market by component (Engine Control Unit, Valve Solenoid, Electronic Throt...

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Cylinder Deactivation System Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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