Turbocharger Market by Vehicle Type (On-Highway (Passenger Car, LCV, & HCV), Off-Highway (Agricultural Tractors & Construction Vehicles)), Locomotive, Technology (VGT/VMT & Wastegate), Fuel Type (Gasoline & Diesel), & by Region - Forecast to 2020

Description: A turbocharger is a forced induction system that is used to boost the power of an engine. Turbocharger compresses the air that flows in the engine, thereby increasing its volumetric efficiency without actually increasing its overall capacity. Turbochargers are gaining popularity around the globe, given the increasing trend of emissions reduction, increased fuel efficiency, and enhanced engine performance.

These factors can be achieved by reducing vehicle weight, by engine downsizing. The global market in terms of value for on-highway turbocharger is estimated to be USD 13.6 Billion in 2015 and is projected to grow to USD 22.1 Billion by 2020, at a CAGR of 10.21% for the period 2015-2020.

The report covers the global qualitative and quantitative aspects of the on-highway turbocharger market by region, by fuel type, by vehicle type, and by technology. Segmentation includes off-highway turbocharger market by application, which includes agricultural tractors and construction vehicles (Articulated Dump Truck, Rigid Dump Truck, Loader, Crawler Dozer, Excavater, Asphalt Finisher, Motor Grader, Motor Scraper, RTLT-Masted, and RTLT-Telescopic). Apart from this as the diesel locomotive widely use turbochargers, the report also considers locomotive turbocharger as a separate segment in the report.

Turbocharging technology has evolved since its inception. The most widely used turbocharging technologies are wastegate and VGT/VNT. VGT/VNT turbochargers are gaining more popularity than wastegate, as they are highly efficient at low and high speeds; unlike wastegate turbochargers that produce high boost at lower engine speeds. The market for VGT/VNT turbochargers in terms of volume is projected to have a market share of 63.6% by 2020.

The challenge with the manufacturers of turbochargers is to offer cost effective solutions without deterring the performance and quality of the product. OEMs are focussing on global expansion, wherein they can customize product offerings according to local demand. Several turbocharger manufacturers have expanded in China to cater the upcoming local and foreign demand of turbochargers. Major players in the on-highway turbocharger market include BorgWarner Inc. (U.S.), Cummins Inc. (U.S.), Honeywell International Inc. (U.S.), Mitsubishi Heavy Industries Ltd. (Japan), and IHI Corporation (Japan). These key players have adopted expansion as the key strategy.

The objective of this report is to estimate the turbocharger market from 2015 to 2020 for the industry professionals, suppliers and OEMs of the turbocharger market. The report also studies key market players in this industry along with their SWOT analysis. The market dynamics for turbochargers comprising of their drivers, restraints, opportunities, and challenges have also been analysed. PEST analysis and Porter's Five Force Analysis for the global turbocharger market has also been studied in this report to provide enhanced qualitative insights of the turbocharger market.

Target Audience
- Turbocharger manufacturers
- Turbocharger component manufacturers
- Raw material suppliers for turbocharger
- Distributors and suppliers of turbochargers and its components
- Automotive OEMs
- Industry associations and experts

Scope of the Report
The global turbocharger market is studied in terms of volume (‘000 units) and value (USD million) under the following segments.
On-highway turbocharger market, by technology
Variable Geometry Turbocharger (VGT)/ Variable Nozzle Turbine (VNT)
Wastegate turbochargers

On-highway turbocharger market, by region
Asia-Oceania
By fuel type
- Gasoline
- Diesel

By vehicle type
- Passenger car
- LCV
- HCV

Europe
By fuel type
- Gasoline
- Diesel

By vehicle type
- Passenger car
- LCV
- HCV

North America
By fuel type
- Gasoline
- Diesel

By vehicle type
- Passenger car
- LCV
- HCV

RoW
By fuel type
- Gasoline
- Diesel

By vehicle type
- Passenger car
- LCV
- HCV

Off-highway turbocharger market, by application
Agricultural tractors
Construction vehicles

Locomotive turbocharger market, by region
Asia-Oceania
Europe
North America
RoW

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