

Global Turbocharger Market by Vehicle type (On-Highway Vehicles: Passenger Car, Light Duty Vehicle, Medium & Heavy Duty Vehicle, and Off-Highway Vehicles: Tractor and Construction Equipment), by Charger Type (Turbocharger and Supercharger), by Technology (VGT/VNT, Wastegate, and Twin Turbo), by Fuel Type (Gasoline and Diesel), by Region (North America, Europe, Asia-Pacific, and RoW), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016-2021

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# **Abstracts**

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the global turbocharger market in the transportation industry over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Global Turbocharger Market in the Transportation Industry: Highlights

The global turbocharger market in the transportation industry offers a robust growth opportunity and is likely to witness a double digit growth of 10.8% (CAGR) during the forecast period of 2016 to 2021. Growing vehicle production coupled with the requirement for automakers to meet global environment emission and fuel efficiency regulations are the prime drivers of the turbocharger market. Increasing



penetration/installation rates of turbochargers in the gasoline engine powered vehicles is the driving force of the market during the forecast period.

The fuel efficiency and environment emission regulations in many developed and developing countries are putting pressure on automakers to either reduce the vehicle weight or downsize the engine to achieve the targets. The Automakers are downsizing engines to satisfy the stringent global fuel economy and emission regulations and customer demand for better performing vehicles. Turbochargers help downsized engines improve fuel economy by 20% to 40% as compared to larger, naturally aspirated engines.

Variable geometry turbocharger (VGT), also known as variable nozzle turbine (VNT) is the most widely used turbocharger worldwide. VGT/VNT is more efficient than traditional wastegate turbochargers and will continue to gain market share during the forecast period. VGT/VNT is well suited both for diesel as well as gasoline powered engines.

Asia-Pacific is likely to remain the largest market for turbochargers in the next five years, driven by demand in emerging economies, such as China and India. China is the world's fastest growing automotive market and is projected to increase the turbocharger installation rates in its new vehicles from current 28% to 49% in the year 2021. This will lead to almost twofold increase in the demand of turbochargers in China in a span of five years.

North America is another growing market for turbochargers, driven by the demand for light weighting and engine downsizing in new vehicles to meet the CAF? standards. European turbochargers market is likely to witness a modest growth in the next five years. This region owns the world's largest turbo diesel fleet and the highest turbocharger installation rates worldwide.

Most of the major turbocharger manufacturers have already set up their manufacturing plants in China to tap the regional growth potential. India, Japan, and South Korea have also joined the row and are projected to increase installation rates of turbochargers in the new vehicles. Apart from China, significant demand of turbochargers is expected to be generated from these countries in the next five years.

Transportation industry stakeholders are continuously trying hard to address the challenges related to the turbochargers, which are production of cost effective turbochargers without sacrificing its performance and mitigating the noise generated by



turbochargers.

The supply chain of this market comprises raw material suppliers, turbocharger component manufacturers, turbocharger manufacturers, distributors, and Automotive OEMs. The key On-highway OEMs are Daimler, General Motors, Toyota, Nissan, and Ford and the key off-highway OEMs are Caterpillar, Hitachi Construction Machinery, Komatsu, Hitachi Construction Machinery, Hyundai Heavy Industries, and Volvo Construction Equipment.

The global turbocharger market in the transportation industry is a highly consolidated market. The key turbocharger manufacturers are Honeywell International, Cummins, Continental AG, BorgWarner, Mitsubishi Heavy Industries, and IHI Corporation. New product development, custom product offering, and regional expansion are the key strategies adopted by the key players to gain competitive edge in the market.

# **RESEARCH METHODOLOGY**

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 2,000 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. More than 20 detailed primary interviews with the market players across the value chain in the all four regions and industry experts have been executed to obtain both the qualitative and quantitative insights.

#### **REPORT FEATURES**

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis



Market trend and forecast analysis

Market segment trend and forecast

Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends of the carbon brakes market

Strategic growth opportunities for the existing and new players

Key success factors

The global turbocharger market in the transportation industry is segmented into the following categories.

Global Turbocharger Market in the Transportation Industry by Vehicle Type:

**On-Highway Vehicles** 

Passenger Car

Region

North America

Europe

Asia-Pacific

Rest of the

Technology



#### VGT/VNT

Wastegate

Twin Turbo

Light Duty Vehicles

Region

North America

Europe

Asia-Pacific

Rest of the

Technology

VGT/VNT

Wastegate

Twin Turbo

Medium & Heavy Duty Vehicles

Region

orth America

urope

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est of the

Technology

GT/VNT

/astegate

Twin Turbo

ff-Highway Vehicles

Tractor

Region

orth America

urope

sia-Pacific

est of the

Technology

GT/VNT

/astegate



Twin Turbo

**Construction Equipment** 

Region

orth America

urope

sia-Pacific

est of the

Technology

GT/VNT

/astegate

Twin Turbo Global Turbocharger Market by Charger Type: Turbocharger

Supercharger Global Turbocharger Market by Fuel Type: Gasoline

Diesel Global Turbocharger Market by Technology: VGT/VNT

Region

North America



Europe

Asia-Pacific

Rest of the

Vehicle Type

**On-Highway** 

**Off-Highway** 

Wastegate

Region

North America

Europe

Asia-Pacific

Rest of the

Vehicle Type

**On-Highway** 

Off-Highway

Twin Turbo

Region

North America

Europe



Asia-Pacific

Rest of the

Vehicle Type

**On-Highway** 

Off-Highway Global Turbocharger Market by Region: North America

US

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Russia

Rest of the Europe

Asia-Pacific

China

Japan



South Korea

India

Rest of the Asia-Pacific

Rest of the World

Latin America

#### Middle East REPORT CUSTOMIZATION OPTIONS

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

**Company Profiling** 

Detailed profiling of additional market players (up to 3)

SWOT analysis of key players (up to 3)

#### Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio,

geographical reach, regional presence, and strategic alliances

Custom Research: Stratview research offers custom research services across the sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your enquiry at sales@stratviewresearch.com.



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- **IHI** Corporation



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