

# Europe Turbocharger Market to Grow from \$5.81 Billion in 2020 to \$9.49 Billion by 2030, with a CAGR of 5.1%

PORTLAND, OREGAON, UNITED STATES, June 18, 2024 /EINPresswire.com/ -- According to a recent report published by Allied Market Research, titled, "[Europe Turbocharger market](#) by Technology, Application, Material, Fuel Type, and End User: Regional Opportunity Analysis and Industry Forecast, 2021–2030", the Europe Turbocharger market was valued at \$5,811.1 million in 2020, and is projected to reach \$9,492.7 million by 2030, registering a CAGR of 5.1% from 2021 to 2030.

Germany dominates the market presently, followed by Europe Turbocharger market in 2020, and is expected to maintain its dominance during the forecast period. Factors such as improved engine performance and fuel efficiency, government regulations and engine downsizing to reduce vehicle weight drive the growth of the turbocharger market. Moreover, turbocharger installation and excessive rise in engine temperature, owing to overheating issues in turbochargers are the factors expected to hamper the growth of the turbocharger market. However, rise in demand for fuel efficient engines and gasoline engines is expected to supplement the growth of the turbocharger market during the forecast period.

For more information, contact Allied Market Research & request a sample: <https://www.alliedmarketresearch.com/request-sample/919>

Turbocharger is an integral part of internal combustion (IC) engine, which improves its performance by increasing the amount of air intake in the combustion chamber with the help of ejected burnt air. The Europe turbocharger market is expected to exhibit a notable growth in the coming years as these chargers ensure optimum engine performance and enhanced fuel efficiency. Turbochargers swiftly gained popularity as they find wide applications in light commercial vehicles, heavy commercial vehicles, ships & aircraft, heavy duty vehicles, and locomotives, owing to several benefits such as enhanced fuel-efficiency and improved engine performance in terms of power and output.

In today's scenario, fuel efficiency is the biggest concern among consumers as fuel prices are skyrocketing on a regular basis owing to the limited availability of fuel. Performance of vehicle also depends upon engine. Hence, vehicle manufacturers are forced to manufacture efficient engines which can satisfy both the requirements and can deliver improved performance & fuel efficiency at the same time. Turbochargers are primarily turbo-boosted engines that are compact

in size and specifically designed to increase fuel efficiency in compliance with the Corporate Average Fuel Economy standards. In addition, these chargers offer several advantages, for instance, increased air intake in the combustion chamber, high engine performance, and reuse of exhausted air. Turbochargers particularly work best on high engine speeds and do not require any power source to operate. Hence, improved engine performance and fuel efficiency is considered as one of the prime drivers for the [Europe turbocharger market growth](#).

Presently, government regulations provide huge impetus to the Europe turbocharger market growth. These regulations are aimed at reducing greenhouse gas emissions and improving fuel economy. Turbochargers are already a key part of heavy-duty diesel engine technology. However, the need to meet emissions regulations is rapidly driving the use of turbo diesel and turbo gasoline engines for passenger vehicles. For instance, BorgWarner turbochargers are being deployed on the Mercedes-Benz medium-duty, commercial vehicle diesel engines to meet Euro VI standards. Compared with current standards, Euro VI emissions standards challenge engine manufacturers to reduce nitrogen oxides by about 80%.

Persistent growth of turbochargers is predominantly driven by heightened demand for vehicle manufacturers to encounter environmental emission regulations. It is further supported by the increased production of vehicle and ships & aircrafts. In addition, engine downsizing trend is on a rise, owing to the increasing concern of vehicle weight. Currently, fuel economy standards along with enhanced performance has led to turbocharger market growth as the light weight alloy used in the manufacturing of turbocharger that further reduce fuel consumption. Additionally, turbochargers are very compact in size, hence help to reduce engine and overall vehicle size.

The Europe turbocharger market is anticipated to show very impressive growth rate in the future. However, there are still some technology related issues with the turbochargers that limit its market growth. Installation is a crucial factor in the effective working of a turbocharger, so if there is any mistake during the installation of turbocharger, it not only makes the turbocharger ineffective, but also harms the engine. Hence, compatibility of turbochargers with engines is an issue that needs serious observation.

□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□ □□□ : <https://www.alliedmarketresearch.com/european-turbocharger-market/purchase-options>

Turbochargers get easily heated and require some coolant for their proper working. Most of the vehicles which use turbocharger technology run at very high speeds so any heating related or engine malfunction issue could lead the vehicle into dangerous condition. So proper security check and foolproof solution for above conditions is very important for the growth of the market.

Turbocharger market has a huge growth potential as the industry is full of opportunities due to increase in installation of turbochargers in gasoline engines. Currently, almost all the diesel

engine vehicles are equipped with turbocharger technology, unlike their gasoline counterparts. However, in the recent years, turbochargers have found application in gasoline engines as well. In gasoline engines, turbocharging enables downsizing which improves fuel economy by 5-20%. Moreover, electric turbochargers are predicted to be the future of turbocharger technology due to their minimum contribution in environmental pollution. Audi will be among the first automaker to have a production vehicle with an electric turbocharger. The demand and production of vehicles is projected to increase. This works as the major driving force for the turbocharger industry as well.

□□□□□-□□ □□□□□□ □□□□□□□□ :

This COVID-19 pandemic impacted the revenue streams allocated toward R&D and adoption of new technologies.

Amid lockdown, shutdown of various manufacturing facilities and shipping delays has made getting a new and replacements parts a challenge.

Furthermore, low inventory, considerable demand and variation prices for parts has resulted in the price of turbochargers to rise significantly.

Due to COVID-19 pandemic, the fossil-fuel powered vehicles have witnessed low sales volume demand which resulted in drop in revenues for turbocharger.

According to Prateek Yadav, Lead Analyst, Automotive and Transportation at Allied Market Research, "By Application, the light commercial vehicle segment is estimated to dominate the market, in terms of revenue. Whereas, the heavy commercial vehicle segment is projected to grow relatively faster than that of Light commercial vehicle and agriculture and construction segments during the forecast period. Country-wise, Germany is estimated to be the highest revenue contributor and is anticipated to maintain its dominance during the forecast period."

□□□□□□□ □□□□□□ □□□□□□ : <https://www.alliedmarketresearch.com/purchase-enquiry/919>

□□□ □□□□□□□□ □□ □□□ □□□□□□ :

In 2020, by Technology, the Twin turbo technology segment generated the highest revenue.

In 2020, by Application, the light commercial vehicle segment was the highest revenue contributor.

In 2020, by Material, the Aluminum segment was the highest revenue contributor.

In 2020, by Fuel Type, the Diesel segment was the highest revenue contributor.

