
Description: The automotive heat exchanger market in Germany is expected to reach $3.62 billion by 2017, growing at a CAGR of 8.87% till 2020. The growth in the passenger vehicle segment in the country has a significant influence in the growth of the European Heat Exchanger Market. Germany has accounted for more than 30% share in the passenger cars manufactured in Europe. Increased adoption of energy-efficient components, due to stringent emission norms is one of the key propellants driving the growth of the automotive market. The increased concern among the OEMs for fuel economy makes them emphasise on lightweight automotive material. The demand for automotive light weight material has made the heat exchanger manufacturers focus on energy-efficient and lighter materials in the manufacturing of heat exchangers. The increased demand for electric and hybrid vehicles is also significantly deriving the growth of the market. Hybrid and Electric vehicles requires low-temperature heat exchangers along with normal heat exchangers for regulated battery cooling.

The revival of the Germany automotive sector is a huge propellant in the growth of the heat exchanger market. Germany's automotive sector has emerged as the country's most innovative industry sector, accounting for one third of total German industry R&D expenditure of EUR 56 billion in 2014. German automotive companies are responsible for more than 60 percent of R&D growth in Europe. Automotive engineers in Germany are hard at work, improving internal combustion engine efficiency developing alternative drive technologies (including electric, hybrid, and fuel cell cars), and also adapting lightweight materials and electronics. Increased investment in R&D has also brought about significant evolution in the manufacturing of automotive heat exchanger.

Heat exchangers used in today's automobiles are based on tube / fin designs. Numerous tube/ fin designs aluminium automotive heat exchangers are built by the prominent vendors in Germany For instance, Mahle Behr GmbH & Co has designed numerous varieties of aluminium automotive heat exchanger with tubular and fin shaped designs. Similarly, Novellis use advanced and innovative technologies like flex caster continuous casting technology, TRC technology fusion, TM multi-layer casting technology, DC processing technology in the making of superior but lightweight aluminium sheets for heat exchangers exclusively in the HVAC system. The growing popularity of aluminium in the automotive heat exchanger market is also driven by the high thermal conductivity of aluminium coupled with the corrosion- resistance feature of aluminium.

The market is segmented on the basis of application, design type and by vehicle type. The automotive radiator leads the market with a share of around of 48% in the application type. The growth in the electric passenger vehicle segment would also be the highest among the vehicle types. The automotive heat exchanger market is fragmented and highly competitive with the presence of a large number of small sale and medium vendors. Denso, Valeo, Visteon, Mahle are the dominant players in the market.

The Report Offers:

- Market Definition along with identification of key drivers and restraints for the market.
- Market analysis with region specific assessments and competition analysis on the market
- Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies, which can influence the market.
- Extensively researched competitive landscape section with profiles of major companies along with their strategic initiatives and market shares. 
- Identification and analysis of the Macro and Micro factors that affect the industry.

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