

Asia Pacific Automotive Aerodynamic Market Size study, By Application (Diffusers, Side Skirts, Spoilers, Wind Deflectors, Grille Shutter, Air Dam, Others), By System (Active System, Passive System), By Vehicle Type (Passenger Vehicles, Commercial Vehicles) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific Automotive Aerodynamic Market is valued approximately USD 8.26 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 5.64% over the forecast period 2024-2032. Automotive Aerodynamic refers to the study and application of airflow principles to design vehicles that minimize air resistance (drag) and improve their efficiency, stability, and performance. It involves understanding how air flows around a vehicle's body, components, and systems, and how these aerodynamic properties affect fuel efficiency, handling, stability, noise, and overall vehicle performance. Furthermore, rising focus on fuel efficiency are gaining attention towards Asia Pacific Automotive Aerodynamic Market. Governments across the Asia Pacific region have been implementing stringent emissions regulations to combat air pollution and reduce carbon emissions. These regulations often include fuel efficiency targets, pushing automakers to explore every avenue for improving vehicle efficiency. Aerodynamics is a key aspect of this, as reducing drag can directly contribute to improved fuel economy and reduced emissions.

The Asia Pacific Automotive Aerodynamic Market is driven by increasing adoption of electric vehicles and rapid urbanization across the region. Many governments are implementing regulations to reduce greenhouse gas emissions and promote the adoption of electric vehicles. These regulations often include stringent fuel economy standards and emissions targets, incentivizing automakers to enhance the aerodynamic

performance of their electric vehicle models to meet regulatory requirements. In addition, aerodynamics plays a crucial role in extending the range of electric vehicles and improving the efficiency of hybrid powertrains, making them more viable options for urban commuters. Additionally, urban mobility solutions such as electric scooters, bicycles, and small electric vehicles also benefit from aerodynamic design enhancements to maximize efficiency and range. However, high installation cost of automotive aerodynamic and Lack of testing mechanism is going to impede the overall demand for the market during the forecast period 2024-2032.

The key Countries considered for the Asia Pacific Automotive Aerodynamic market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market owing to factors such as increasing production of electric vehicles across the region. Electric vehicles offer a clean and eco-friendly alternative to traditional internal combustion engine vehicles. Aerodynamic enhancements contribute to meeting these expectations by optimizing the efficiency and range of electric vehicles, thereby increasing their appeal to consumers. Furthermore, the market in India, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Plastic Omnium Auto Exteriors (I) Pvt Ltd

PU Tech Industry Sdn. Bhd

INOAC Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Application

Diffusers

Side Skirts

Spoilers

Wind Deflectors

Grille Shutter

Air Dam
Others

By System
Active System
Passive System

By Vehicle Type
Passenger Vehicles
Commercial Vehicles
By Region:
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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