

Europe 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

<https://marketpublishers.com/r/E2985260494FEN.html>

Date: May 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: E2985260494FEN

Abstracts

Europe Automotive Aerodynamic Market is valued approximately USD 6.33 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 4.01% 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 Advancements in autonomous driving are gaining attention towards Europe Automotive Aerodynamic Market. The development of autonomous driving technology is driving new considerations in vehicle aerodynamics. As vehicles become more automated, aerodynamic performance becomes increasingly important for ensuring stability, efficiency, and safety at varying speeds and driving conditions. Automakers are integrating aerodynamic features into autonomous vehicle designs to optimize their performance and energy efficiency.

The Europe Automotive Aerodynamic Market is driven by increasing demand of urban mobility solutions and advancements in simulation technologies to optimize aerodynamic performance across the region. Vehicles with better aerodynamics experience less resistance, leading to improved fuel efficiency and reduced energy consumption, which is particularly important in stop-and-go traffic typical of urban

settings. In addition, simulation technologies facilitate an iterative design process, where engineers can quickly assess the impact of design changes on aerodynamic performance. This iterative approach allows for the exploration of a wide range of design options to find the most aerodynamic configuration. 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 Europe Automotive Aerodynamic market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest regional market owing to factors such as increasing presence of leading automotive manufacturers across the region. Automotive manufacturers often have large production volumes, allowing them to achieve economies of scale in the production of vehicles and components. This scale enables them to invest in advanced aerodynamic technologies, such as wind tunnel testing, computational fluid dynamics (CFD) simulations, and innovative materials. Furthermore, the market in UK, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

SMP Deutschland GmbH

Valeo SA

Polytec Holding AG

HBPO GmbH

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:

Europe

UK

Germany

France

Spain

Italy

ROE

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.

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.

Contents

CHAPTER 1. EUROPE AUTOMOTIVE AERODYNAMIC MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Europe Automotive Aerodynamic Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Application
 - 2.3.2. By System
 - 2.3.3. By Vehicle Type
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. EUROPE AUTOMOTIVE AERODYNAMIC MARKET DYNAMICS

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. EUROPE AUTOMOTIVE AERODYNAMIC MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. EUROPE AUTOMOTIVE AERODYNAMIC MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 5.1. Diffusers
- 5.2. Side Skirts
- 5.3. Spoilers
- 5.4. Wind Deflectors
- 5.5. Grille Shutter
- 5.6. Air Dam
- 5.7. Others

CHAPTER 6. EUROPE AUTOMOTIVE AERODYNAMIC MARKET SIZE & FORECASTS BY SYSTEM 2022-2032

- 6.1. Active System
- 6.2. Passive System

CHAPTER 7. EUROPE AUTOMOTIVE AERODYNAMIC MARKET SIZE & FORECASTS BY VEHICLE TYPE 2022-2032

- 7.1. Passenger Vehicles
- 7.2. Commercial Vehicles

CHAPTER 8. EUROPE AUTOMOTIVE AERODYNAMIC MARKET SIZE & FORECASTS BY COUNTRY 2022-2032

- 8.1. U.K. Automotive Aerodynamic Market
 - 8.1.1. Application breakdown size & forecasts, 2022-2032
 - 8.1.2. System breakdown size & forecasts, 2022-2032
 - 8.1.3. Vehicle Type breakdown size & forecasts, 2022-2032
- 8.2. Germany Automotive Aerodynamic Market
- 8.3. France Automotive Aerodynamic Market
- 8.4. Spain Automotive Aerodynamic Market
- 8.5. Italy Automotive Aerodynamic Market
- 8.6. Rest of Europe Automotive Aerodynamic Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. SMP Deutschland GmbH
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies

- 9.3.2. Valeo SA
- 9.3.3. Polytec Holding AG
- 9.3.4. HBPO GmbH
- 9.3.5. Company
- 9.3.6. Company
- 9.3.7. Company
- 9.3.8. Company
- 9.3.9. Company
- 9.3.10. Company

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Europe Automotive Aerodynamic market, report scope
- TABLE 2. Europe Automotive Aerodynamic market estimates & forecasts by Country 2022-2032 (USD Billion)
- TABLE 3. Europe Automotive Aerodynamic market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 4. Europe Automotive Aerodynamic market estimates & forecasts by System 2022-2032 (USD Billion)
- TABLE 5. Europe Automotive Aerodynamic market estimates & forecasts by Vehicle Type 2022-2032 (USD Billion)
- TABLE 6. Europe Automotive Aerodynamic market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 7. Europe Automotive Aerodynamic market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Europe Automotive Aerodynamic market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Europe Automotive Aerodynamic market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Europe Automotive Aerodynamic market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Europe Automotive Aerodynamic market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Europe Automotive Aerodynamic market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Europe Automotive Aerodynamic market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. Europe Automotive Aerodynamic market by segment, estimates & forecasts, 2022-2032 (USD Billion) Europe Automotive Aerodynamic market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. UK Automotive Aerodynamic market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. UK Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. UK Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 18. Germany Automotive Aerodynamic market estimates & forecasts,

2022-2032 (USD Billion)

TABLE 19. Germany Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Germany Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 21. France Automotive Aerodynamic market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 22. France Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 23. France Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 24. Italy Automotive Aerodynamic market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 25. Italy Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 26. Italy Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 27. Spain Automotive Aerodynamic market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 28. Spain Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 29. Spain Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 30. RoE Automotive Aerodynamic market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 31. RoE Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 32. RoE Automotive Aerodynamic market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 33. List of secondary sources, used in the study of Europe Automotive Aerodynamic Market.

TABLE 34. List of primary sources, used in the study of Europe Automotive Aerodynamic Market.

TABLE 35. Years considered for the study.

TABLE 36. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Europe Automotive Aerodynamic market, research methodology
- FIG 2. Europe Automotive Aerodynamic market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe Automotive Aerodynamic market, key trends 2023
- FIG 5. Europe Automotive Aerodynamic market, growth prospects 2022-2032
- FIG 6. Europe Automotive Aerodynamic market, porters 5 force model
- FIG 7. Europe Automotive Aerodynamic market, pestel analysis
- FIG 8. Europe Automotive Aerodynamic market, value chain analysis
- FIG 9. Europe Automotive Aerodynamic market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Europe Automotive Aerodynamic market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Europe Automotive Aerodynamic market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Europe Automotive Aerodynamic market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Europe Automotive Aerodynamic market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Europe Automotive Aerodynamic market, Country snapshot 2022 & 2032
- FIG 15. Europe Automotive Aerodynamic market 2022 & 2032 (USD Billion)
- FIG 16. Europe Automotive Aerodynamic market, company market share analysis (2023)

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