

# **Automotive Filter Market Size, Trends, Analysis, and Outlook by Fuel (Gasoline, Diesel, Alternative Fuels), Vehicle (Passenger Car, Commercial Vehicle), Sales Channel (OEM, Aftermarket), by Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Automotive Human-Machine Interface (HMI) Technologies market size is poised to register 12.08% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Automotive Human-Machine Interface (HMI) Technologies market by Application (Passenger Car, Commercial Car), Product (Audio Visual & Navigation, Information Displays, Digital Instrument & Cabin Cluster, Head-up Display, Steering based controls, E-Mirror, Others), Technology (Mechanical Interfaces, Acoustics Interfaces, Visual Interfaces, Haptic Interfaces).

The Automotive Human-Machine Interface (HMI) Technologies Market is poised for profound transformation until 2030, driven by pivotal trends and drivers. With the automotive industry's increasing emphasis on connectivity, automation, and user experience, there's a growing demand for HMI technologies that offer intuitive interaction, seamless integration, and personalized content delivery. This demand is further fueled by consumer preferences for vehicles equipped with advanced infotainment systems, digital cockpits, and augmented reality displays that enhance safety, convenience, and entertainment value. In addition, as vehicle designs evolve toward electrification and autonomous driving, there's a trend toward the development of multimodal HMI solutions that combine touchscreens, voice recognition, gesture control, and haptic feedback to provide drivers and passengers with flexible and intuitive interaction methods. Further, advancements in HMI technology, such as artificial intelligence, natural language processing, and machine learning, are anticipated to enable the development of intelligent HMI systems that adapt to user preferences,

anticipate needs, and provide proactive assistance, enhancing .

### Automotive Human-Machine Interface (HMI) Technologies Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Automotive Human-Machine Interface (HMI) Technologies market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Automotive Human-Machine Interface (HMI) Technologies survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Automotive Human-Machine Interface (HMI) Technologies industry.

### Key market trends defining the global Automotive Human-Machine Interface (HMI) Technologies demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Automotive Human-Machine Interface (HMI) Technologies Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Automotive Human-Machine Interface (HMI) Technologies industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Automotive Human-Machine Interface (HMI) Technologies companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the Automotive Human-Machine Interface (HMI) Technologies industry

Leading Automotive Human-Machine Interface (HMI) Technologies companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Automotive Human-Machine Interface (HMI) Technologies companies.

## Automotive Human-Machine Interface (HMI) Technologies Market Study- Strategic Analysis Review

The Automotive Human-Machine Interface (HMI) Technologies market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

## Automotive Human-Machine Interface (HMI) Technologies Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Automotive Human-Machine Interface (HMI) Technologies industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Automotive Human-Machine Interface (HMI) Technologies Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Automotive Human-Machine Interface (HMI) Technologies Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Automotive Human-Machine Interface (HMI) Technologies market segments. Similarly, Strong end-user demand is

encouraging Canadian Automotive Human-Machine Interface (HMI) Technologies companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Automotive Human-Machine Interface (HMI) Technologies market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe Automotive Human-Machine Interface (HMI) Technologies Market Size Outlook- Companies investing in assessing consumers, categories, competitors, and capabilities**  
The German industry remains the major market for companies in the European Automotive Human-Machine Interface (HMI) Technologies industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Automotive Human-Machine Interface (HMI) Technologies market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Automotive Human-Machine Interface (HMI) Technologies Market Size Outlook- an attractive hub for opportunities for both local and global companies**  
The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Automotive Human-Machine Interface (HMI) Technologies in Asia Pacific. In particular, China, India, and South East Asian Automotive Human-Machine Interface (HMI) Technologies markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Automotive Human-Machine Interface (HMI) Technologies Market Size Outlook- Continued urbanization and rising income levels**  
Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption

growth in the medium to long term.

### Middle East and Africa Automotive Human-Machine Interface (HMI) Technologies

Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Automotive Human-Machine Interface (HMI) Technologies market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Automotive Human-Machine Interface (HMI) Technologies.

### Automotive Human-Machine Interface (HMI) Technologies Market Company Profiles

The global Automotive Human-Machine Interface (HMI) Technologies market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are 3M Company, ALPS ALPINE CO. Ltd, Altran Technologies S.A., Clarion Co. Ltd, Continental AG, Delphi Technologies, Elektrobit, Luxoft, Magneti Marelli S.p.A., Synaptics Inc, Valeo S.A., Visteon Corp.

### Recent Automotive Human-Machine Interface (HMI) Technologies Market Developments

The global Automotive Human-Machine Interface (HMI) Technologies market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

### Automotive Human-Machine Interface (HMI) Technologies Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

**Market Segmentation:**

Application

Passenger Car

-Economic

-Luxury

Commercial Car

Product

Audio Visual &amp; Navigation

Information Displays

Digital Instrument &amp; Cabin Cluster

Head-up Display

Steering based controls

E-Mirror

Others

Technology

Mechanical Interfaces

Acoustics Interfaces

Visual Interfaces

Haptic Interfaces

**Geographical Segmentation:**

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

**Companies**

3M Company

ALPS ALPINE CO. Ltd

Altran Technologies S.A.

Clarion Co. Ltd

Continental AG

Delphi Technologies

Elektrobit

Luxoft

Magneti Marelli S.p.A.

Synaptics Inc

Valeo S.A.

Visteon Corp.

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Automotive Filter Market Overview and Key Findings, 2024
- 1.2 Automotive Filter Market Size and Growth Outlook, 2021- 2030
- 1.3 Automotive Filter Market Growth Opportunities to 2030
- 1.4 Key Automotive Filter Market Trends and Challenges
  - 1.4.1 Automotive Filter Market Drivers and Trends
  - 1.4.2 Automotive Filter Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Automotive Filter Companies

### 2. AUTOMOTIVE FILTER MARKET SIZE OUTLOOK TO 2030

- 2.1 Automotive Filter Market Size Outlook, USD Million, 2021- 2030
- 2.2 Automotive Filter Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. AUTOMOTIVE FILTER MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. AUTOMOTIVE FILTER MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - Fuel
    - Gasoline
    - Diesel
    - Alternative Fuels



Vehicle

Passenger Car

Commercial Vehicle

Sales Channel

OEM

Aftermarket

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Automotive Filter Market, 2025

5.2 Asia Pacific Automotive Filter Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Automotive Filter Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Automotive Filter Market, 2025

5.5 Europe Automotive Filter Market Size Outlook by Type, 2021- 2030

5.6 Europe Automotive Filter Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Automotive Filter Market, 2025

5.8 North America Automotive Filter Market Size Outlook by Type, 2021- 2030

5.9 North America Automotive Filter Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Automotive Filter Market, 2025

5.11 South America Pacific Automotive Filter Market Size Outlook by Type, 2021- 2030

5.12 South America Automotive Filter Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Automotive Filter Market, 2025

5.14 Middle East Africa Automotive Filter Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Automotive Filter Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

6.1 US Automotive Filter Market Size Outlook and Revenue Growth Forecasts

6.2 US Automotive Filter Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Automotive Filter Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Automotive Filter Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Automotive Filter Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

- 6.10 France Automotive Filter Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Automotive Filter Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Automotive Filter Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Automotive Filter Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Automotive Filter Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Automotive Filter Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Automotive Filter Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Automotive Filter Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Automotive Filter Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Automotive Filter Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Automotive Filter Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Automotive Filter Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Automotive Filter Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Automotive Filter Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Automotive Filter Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Automotive Filter Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Automotive Filter Industry Drivers and Opportunities

## **7. AUTOMOTIVE FILTER MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. AUTOMOTIVE FILTER COMPANY PROFILES**

- 8.1 Profiles of Leading Automotive Filter Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics
- A. Kayser Automotive Systems GmbH
- Ahlstrom-Munksjö Oyj
- Alco Filters Ltd
- Cummins Inc
- Denso Corp
- Donaldson Company Inc
- Hengst SE
- Mahle GmbH
- Mann+Hummel GmbH
- Parker Hannifin Corp
- Robert Bosch GmbH
- Sogefi Group

## **9. APPENDIX**

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions
- 9.5 Contact Information

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