

# Global Automotive Shielding Market Size study & Forecast, by Vehicle Type (Passenger Cars, Commercial Vehicles), by Shielding Type (Heat Shielding, Electromagnetic Induction Shielding) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GADCDF758DAFEN.html>

Date: October 2023

Pages: 200

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

ID: GADCDF758DAFEN

## Abstracts

Global Automotive Shielding Market is valued at approximately USD xx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2023-2030. Automotive shielding refers to the use of various materials and techniques to protect the electrical and electronic components in vehicles from electromagnetic interference (EMI) and other external influences. These shields are designed to minimize the impact of electromagnetic radiation, radio frequency interference (RFI), and other unwanted signals on sensitive electronic systems within the vehicle. The Automotive Shielding market is expanding because of factors such as increasing vehicle production and rising demand for electric vehicles. Automotive shielding can be achieved through various techniques, including shielding enclosures, conductive gaskets, cable shielding, and conductive coatings.

Automobile suppliers and manufacturers might raise their spending on superior shielding materials and technologies as demand for automobiles grows. Which can lead to innovations that increase shielding efficiency, reduce the weight, and improve overall vehicle performance. According to Statista, in 2022, around 85 million automobiles were manufactured worldwide. This figure represents an increase of around 6% over the previous year. China, Japan, and Germany were the largest manufacturers of cars and commercial vehicles in 2022. Furthermore, the volume of motor vehicles produced in India in 2022 accounts for over 5.5 million, a rise from 4.4 million in 2021. Another important factor that drives the Automotive Shielding market is the increasing demand for electric vehicles. Electric vehicles rely on various communication systems, such as

Controller Area Network and Local Interconnect Network, to exchange data between different electronic modules. Shielding is crucial to maintain signal integrity and prevent data corruption caused by electromagnetic interference. In addition, as per Statista, Battery-electric vehicle sales account for 7.3 million in 2022, an increase from 4.6 million in 2021. Moreover, increase demand for advanced electronics technologies and increasing penetration of infotainment systems are anticipated to create lucrative growth opportunities for the market over the forecast period. However, stringent environmental regulations and the high cost of Automotive Shielding stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Automotive Shielding Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the rapid development of connected mobility and smart transportation systems in countries such as Japan and China are the foremost reasons for the growth of the market in the region. The region's dominant performance is anticipated to propel the overall demand of Automotive Shielding. Furthermore, Europe is expected to grow fastest during the forecast period, owing to factors such as rising emissions levels, the government has enforced resilient emission standards and made it necessary to deploy modern safety features and distinctive interior systems to improve vehicle fuel efficiency and safety in the region.

Major market player included in this report are:

Dana Limited

3M

ElringKlinger AG

Marian, Inc

Schaffner Holding AG

Parker Hannifin Corp

Tenneco Inc

Tech-Etch, Inc

Henkel AG & Co. KGaA

Morgan Advanced Materials plc

Recent Developments in the Market:

In April 2023, Parker Hannifin Corporation's Chomerics Division introduced SOFT-SHIELD 3800, an electrically conductive fabric over silicone foam EMI shielding and electrical grounding gasket for low closure force and high temperature electronics applications. SOFT SHIELD 3800 profiles, the first of its kind to hit the market, come in complicated and distinctive non-rectangular shapes, and are an expansion of the existing SOFT-SHIELD 3700 series' traditional rectangular profiles. SOFT-SHIELD 3800 and 3700 are both cost-effective EMI shielding and grounding solutions for a wide range of electronics applications. The product provides 100 dB shielding effectiveness from 20 MHz to 10 GHz.

Global Automotive Shielding Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Vehicle Type, Shielding Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Vehicle Type

Passenger Cars

Commercial Vehicles

By Shielding Type

Heat Shielding

Electromagnetic Induction Shielding

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Automotive Shielding Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Automotive Shielding Market, by Vehicle Type, 2020-2030 (USD Billion)
  - 1.2.3. Automotive Shielding Market, by Shielding Type, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL AUTOMOTIVE SHIELDING MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL AUTOMOTIVE SHIELDING MARKET DYNAMICS**

- 3.1. Automotive Shielding Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing vehicles production
    - 3.1.1.2. Rising demand for electric vehicles
  - 3.1.2. Market Challenges
    - 3.1.2.1. Stringent environment regulations
    - 3.1.2.2. High cost of Automotive Shielding
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increase demand for advanced electronics technologies
    - 3.1.3.2. Increasing penetration of infotainment systems

### **CHAPTER 4. GLOBAL AUTOMOTIVE SHIELDING 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL AUTOMOTIVE SHIELDING MARKET, BY VEHICLE TYPE**

- 5.1. Market Snapshot
- 5.2. Global Automotive Shielding Market by Vehicle Type, Performance - Potential Analysis
- 5.3. Global Automotive Shielding Market Estimates & Forecasts by Vehicle Type 2020-2030 (USD Billion)
- 5.4. Automotive Shielding Market, Sub Segment Analysis
  - 5.4.1. Passenger Cars
  - 5.4.2. Commercial Vehicles

## **CHAPTER 6. GLOBAL AUTOMOTIVE SHIELDING MARKET, BY SHIELDING TYPE**

- 6.1. Market Snapshot
- 6.2. Global Automotive Shielding Market by Shielding Type, Performance - Potential Analysis
- 6.3. Global Automotive Shielding Market Estimates & Forecasts by Shielding Type 2020-2030 (USD Billion)
- 6.4. Automotive Shielding Market, Sub Segment Analysis

- 6.4.1. Heat Shielding
- 6.4.2. Electromagnetic Induction Shielding

## **CHAPTER 7. GLOBAL AUTOMOTIVE SHIELDING MARKET, REGIONAL ANALYSIS**

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Automotive Shielding Market, Regional Market Snapshot
- 7.4. North America Automotive Shielding Market
  - 7.4.1. U.S. Automotive Shielding Market
    - 7.4.1.1. Vehicle Type breakdown estimates & forecasts, 2020-2030
    - 7.4.1.2. Shielding Type breakdown estimates & forecasts, 2020-2030
  - 7.4.2. Canada Automotive Shielding Market
- 7.5. Europe Automotive Shielding Market Snapshot
  - 7.5.1. U.K. Automotive Shielding Market
  - 7.5.2. Germany Automotive Shielding Market
  - 7.5.3. France Automotive Shielding Market
  - 7.5.4. Spain Automotive Shielding Market
  - 7.5.5. Italy Automotive Shielding Market
  - 7.5.6. Rest of Europe Automotive Shielding Market
- 7.6. Asia-Pacific Automotive Shielding Market Snapshot
  - 7.6.1. China Automotive Shielding Market
  - 7.6.2. India Automotive Shielding Market
  - 7.6.3. Japan Automotive Shielding Market
  - 7.6.4. Australia Automotive Shielding Market
  - 7.6.5. South Korea Automotive Shielding Market
  - 7.6.6. Rest of Asia Pacific Automotive Shielding Market
- 7.7. Latin America Automotive Shielding Market Snapshot
  - 7.7.1. Brazil Automotive Shielding Market
  - 7.7.2. Mexico Automotive Shielding Market
- 7.8. Middle East & Africa Automotive Shielding Market
  - 7.8.1. Saudi Arabia Automotive Shielding Market
  - 7.8.2. South Africa Automotive Shielding Market
  - 7.8.3. Rest of Middle East & Africa Automotive Shielding Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company



- 8.1.2. Company
- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Dana Limited
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Recent Developments
  - 8.3.2. 3M
  - 8.3.3. ElringKlinger AG
  - 8.3.4. Marian, Inc
  - 8.3.5. Schaffner Holding AG
  - 8.3.6. Parker Hannifin Corp
  - 8.3.7. Tenneco Inc
  - 8.3.8. Tech-Etch, Inc
  - 8.3.9. Henkel AG & Co. KGaA
  - 8.3.10. Morgan Advanced Materials plc

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

## I would like to order

Product name: Global Automotive Shielding Market Size study & Forecast, by Vehicle Type (Passenger Cars, Commercial Vehicles), by Shielding Type (Heat Shielding, Electromagnetic Induction Shielding) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GADCDF758DAFEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GADCDF758DAFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970