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Global Magnetic Field Sensing Sensor Market Growth 2025-2031

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Abstracts

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The global Automotive Active Grille Shutters market size is predicted to grow from US$ 1755 million in 2025 to US$ 2722 million in 2031; it is expected to grow at a CAGR of 7.6% from 2025 to 2031.

Automotive active grille shutters are a system of automatically controlled louvers or vanes positioned in front of a vehicle's radiator. These shutters open and close to regulate airflow to the engine compartment. When cooling is needed, the shutters open to allow air to flow through the radiator. When cooling is not required, such as during warm-up or highway cruising, the shutters close to improve aerodynamics, reducing drag and improving fuel efficiency.

The trend in active grille shutter technology is focused on improving performance, expanding functionality, and reducing complexity. Key trends include: enhanced control algorithms that consider a wider range of parameters, such as engine temperature, vehicle speed, ambient temperature, and even driving style, for more precise airflow management; improved actuator designs for faster opening and closing times, as well as increased durability and reliability in harsh environments; integration with other vehicle systems, such as the climate control system and engine management system, for optimized overall vehicle performance; the use of lighter-weight materials, such as plastics and composites, to reduce weight and improve fuel efficiency; and the development of more compact designs to allow for greater styling flexibility. Furthermore, there's a growing emphasis on predictive control strategies that anticipate cooling needs based on navigation data or traffic conditions, enabling proactive shutter adjustments. The trend is also towards more sophisticated diagnostic capabilities,

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allowing for early detection of potential issues. This aligns with the automotive industry's focus on improving fuel economy, reducing emissions, and enhancing vehicle performance and aerodynamics.

The Automotive Active Grille Shutters (AGS) market is part of the larger trend toward increasing vehicle fuel efficiency, aerodynamics, and reducing emissions. Active grille shutters are a key component in improving the overall performance and efficiency of modern vehicles by optimizing airflow to the engine and cooling systems. These shutters adjust automatically depending on driving conditions, contributing to better fuel economy and reduced environmental impact. As the automotive industry focuses on innovation, fuel efficiency, and emission standards, the active grille shutters market is witnessing significant growth.

Fuel efficiency and CO2 emission reduction are among the top priorities for automakers due to stringent government regulations, especially in regions like the European Union, North America, and China.

Active grille shutters improve aerodynamics by controlling airflow to the engine and cooling systems, reducing drag and fuel consumption, particularly at high speeds. By optimizing airflow, they enhance vehicle performance and contribute to meeting emission reduction standards.

Regulatory frameworks such as Euro 6, CAFE (Corporate Average Fuel Economy) standards, and fuel economy regulations in various countries continue to encourage the adoption of AGS to improve vehicle efficiency.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Active Grille Shutters Industry Forecast” looks at past sales and reviews total world Automotive Active Grille Shutters sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Active Grille Shutters sales for 2025 through 2031. With Automotive Active Grille Shutters sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive Active Grille Shutters industry.

This Insight Report provides a comprehensive analysis of the global Automotive Active Grille Shutters landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Active Grille Shutters portfolios and capabilities, market entry strategies,

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market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Active Grille Shutters market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Active Grille Shutters and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Active Grille Shutters.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Active Grille Shutters market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Visible Type

Non-Visible Type

Segmentation by Application:

Commercial Vehicle

Passenger Vehicle

This report also splits the market by region:

Americas

United States

Canada

Mexico

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- Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
- Middle East & Africa
  - Egypt
  - South Africa
  - Israel
  - Turkey
  - GCC Countries

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The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Rochling

Valeo

Magna International

Wirthwein

SRG Global

Batz

HBPO GmbH

Techniplas

Brose Fahrzeugteile

STARLITE

Mirror Controls International

Huatong Automotive Molding

Tong Yang Group

Sonceboz

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Active Grille Shutters market?

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What factors are driving Automotive Active Grille Shutters market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Active Grille Shutters market opportunities vary by end market size?

How does Automotive Active Grille Shutters break out by Type, by Application?

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Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Magnetic Field Sensing Sensor Annual Sales 2020-2031
  2.1.2 World Current & Future Analysis for Magnetic Field Sensing Sensor by Geographic Region, 2020, 2024 & 2031
  2.1.3 World Current & Future Analysis for Magnetic Field Sensing Sensor by Country/Region, 2020, 2024 & 2031
2.2 Magnetic Field Sensing Sensor Segment by Type
  2.2.1 Magnetoresistive Sensor
  2.2.2 Hall Effect Sensor
2.3 Magnetic Field Sensing Sensor Sales by Type
  2.3.1 Global Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)
  2.3.2 Global Magnetic Field Sensing Sensor Revenue and Market Share by Type (2020-2025)
  2.3.3 Global Magnetic Field Sensing Sensor Sale Price by Type (2020-2025)
2.4 Magnetic Field Sensing Sensor Segment by Application
  2.4.1 Medical Industry
  2.4.2 Consumer Electronics
  2.4.3 Automotive Industry
  2.4.4 Others
2.5 Magnetic Field Sensing Sensor Sales by Application
  2.5.1 Global Magnetic Field Sensing Sensor Sale Market Share by Application (2020-2025)
  2.5.2 Global Magnetic Field Sensing Sensor Revenue and Market Share by Application (2020-2025)

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2.5.3 Global Magnetic Field Sensing Sensor Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Magnetic Field Sensing Sensor Breakdown Data by Company
3.1.1 Global Magnetic Field Sensing Sensor Annual Sales by Company (2020-2025)
3.1.2 Global Magnetic Field Sensing Sensor Sales Market Share by Company (2020-2025)
3.2 Global Magnetic Field Sensing Sensor Annual Revenue by Company (2020-2025)
3.2.1 Global Magnetic Field Sensing Sensor Revenue by Company (2020-2025)
3.2.2 Global Magnetic Field Sensing Sensor Revenue Market Share by Company (2020-2025)
3.3 Global Magnetic Field Sensing Sensor Sale Price by Company
3.4 Key Manufacturers Magnetic Field Sensing Sensor Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Magnetic Field Sensing Sensor Product Location Distribution
3.4.2 Players Magnetic Field Sensing Sensor Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MAGNETIC FIELD SENSING SENSOR BY GEOGRAPHIC REGION

4.1 World Historic Magnetic Field Sensing Sensor Market Size by Geographic Region (2020-2025)
4.1.1 Global Magnetic Field Sensing Sensor Annual Sales by Geographic Region (2020-2025)
4.1.2 Global Magnetic Field Sensing Sensor Annual Revenue by Geographic Region (2020-2025)
4.2 World Historic Magnetic Field Sensing Sensor Market Size by Country/Region (2020-2025)
4.2.1 Global Magnetic Field Sensing Sensor Annual Sales by Country/Region (2020-2025)
4.2.2 Global Magnetic Field Sensing Sensor Annual Revenue by Country/Region (2020-2025)
4.3 Americas Magnetic Field Sensing Sensor Sales Growth

+357 96 030922
info@marketpublishers.com

4.4 APAC Magnetic Field Sensing Sensor Sales Growth
4.5 Europe Magnetic Field Sensing Sensor Sales Growth
4.6 Middle East & Africa Magnetic Field Sensing Sensor Sales Growth

5 AMERICAS

5.1 Americas Magnetic Field Sensing Sensor Sales by Country
  5.1.1 Americas Magnetic Field Sensing Sensor Sales by Country (2020-2025)
  5.1.2 Americas Magnetic Field Sensing Sensor Revenue by Country (2020-2025)
5.2 Americas Magnetic Field Sensing Sensor Sales by Type (2020-2025)
5.3 Americas Magnetic Field Sensing Sensor Sales by Application (2020-2025)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Magnetic Field Sensing Sensor Sales by Region
  6.1.1 APAC Magnetic Field Sensing Sensor Sales by Region (2020-2025)
  6.1.2 APAC Magnetic Field Sensing Sensor Revenue by Region (2020-2025)
6.2 APAC Magnetic Field Sensing Sensor Sales by Type (2020-2025)
6.3 APAC Magnetic Field Sensing Sensor Sales by Application (2020-2025)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

7 EUROPE

7.1 Europe Magnetic Field Sensing Sensor by Country
  7.1.1 Europe Magnetic Field Sensing Sensor Sales by Country (2020-2025)
  7.1.2 Europe Magnetic Field Sensing Sensor Revenue by Country (2020-2025)
7.2 Europe Magnetic Field Sensing Sensor Sales by Type (2020-2025)
7.3 Europe Magnetic Field Sensing Sensor Sales by Application (2020-2025)
7.4 Germany

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7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Magnetic Field Sensing Sensor by Country
  8.1.1 Middle East & Africa Magnetic Field Sensing Sensor Sales by Country (2020-2025)
  8.1.2 Middle East & Africa Magnetic Field Sensing Sensor Revenue by Country (2020-2025)
8.2 Middle East & Africa Magnetic Field Sensing Sensor Sales by Type (2020-2025)
8.3 Middle East & Africa Magnetic Field Sensing Sensor Sales by Application (2020-2025)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of Magnetic Field Sensing Sensor
10.3 Manufacturing Process Analysis of Magnetic Field Sensing Sensor
10.4 Industry Chain Structure of Magnetic Field Sensing Sensor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels

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info@marketpublishers.com

11.2 Magnetic Field Sensing Sensor Distributors
11.3 Magnetic Field Sensing Sensor Customer

12 WORLD FORECAST REVIEW FOR MAGNETIC FIELD SENSING SENSOR BY GEOGRAPHIC REGION

12.1 Global Magnetic Field Sensing Sensor Market Size Forecast by Region
  12.1.1 Global Magnetic Field Sensing Sensor Forecast by Region (2026-2031)
  12.1.2 Global Magnetic Field Sensing Sensor Annual Revenue Forecast by Region (2026-2031)
12.2 Americas Forecast by Country (2026-2031)
12.3 APAC Forecast by Region (2026-2031)
12.4 Europe Forecast by Country (2026-2031)
12.5 Middle East & Africa Forecast by Country (2026-2031)
12.6 Global Magnetic Field Sensing Sensor Forecast by Type (2026-2031)
12.7 Global Magnetic Field Sensing Sensor Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 TDK Corporation
  13.1.1 TDK Corporation Company Information
  13.1.2 TDK Corporation Magnetic Field Sensing Sensor Product Portfolios and Specifications
  13.1.3 TDK Corporation Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
  13.1.4 TDK Corporation Main Business Overview
  13.1.5 TDK Corporation Latest Developments
13.2 Infineon Technologies
  13.2.1 Infineon Technologies Company Information
  13.2.2 Infineon Technologies Magnetic Field Sensing Sensor Product Portfolios and Specifications
  13.2.3 Infineon Technologies Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
  13.2.4 Infineon Technologies Main Business Overview
  13.2.5 Infineon Technologies Latest Developments
13.3 Honeywell International
  13.3.1 Honeywell International Company Information
  13.3.2 Honeywell International Magnetic Field Sensing Sensor Product Portfolios and Specifications

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13.3.3 Honeywell International Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.3.4 Honeywell International Main Business Overview
13.3.5 Honeywell International Latest Developments
13.4 Allegro MicroSystems
13.4.1 Allegro MicroSystems Company Information
13.4.2 Allegro MicroSystems Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.4.3 Allegro MicroSystems Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.4.4 Allegro MicroSystems Main Business Overview
13.4.5 Allegro MicroSystems Latest Developments
13.5 TE Connectivity
13.5.1 TE Connectivity Company Information
13.5.2 TE Connectivity Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.5.3 TE Connectivity Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.5.4 TE Connectivity Main Business Overview
13.5.5 TE Connectivity Latest Developments
13.6 NXP Semiconductors
13.6.1 NXP Semiconductors Company Information
13.6.2 NXP Semiconductors Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.6.3 NXP Semiconductors Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.6.4 NXP Semiconductors Main Business Overview
13.6.5 NXP Semiconductors Latest Developments
13.7 Melexis
13.7.1 Melexis Company Information
13.7.2 Melexis Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.7.3 Melexis Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.7.4 Melexis Main Business Overview
13.7.5 Melexis Latest Developments
13.8 AMS OSRAM
13.8.1 AMS OSRAM Company Information
13.8.2 AMS OSRAM Magnetic Field Sensing Sensor Product Portfolios and Specifications

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info@marketpublishers.com

13.8.3 AMS OSRAM Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.8.4 AMS OSRAM Main Business Overview
13.8.5 AMS OSRAM Latest Developments
13.9 Pressure Profile Systems
13.9.1 Pressure Profile Systems Company Information
13.9.2 Pressure Profile Systems Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.9.3 Pressure Profile Systems Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.9.4 Pressure Profile Systems Main Business Overview
13.9.5 Pressure Profile Systems Latest Developments
13.10 Sensata Technologies
13.10.1 Sensata Technologies Company Information
13.10.2 Sensata Technologies Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.10.3 Sensata Technologies Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.10.4 Sensata Technologies Main Business Overview
13.10.5 Sensata Technologies Latest Developments
13.11 Baumer Group
13.11.1 Baumer Group Company Information
13.11.2 Baumer Group Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.11.3 Baumer Group Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.11.4 Baumer Group Main Business Overview
13.11.5 Baumer Group Latest Developments
13.12 Aichi Steel Corporation
13.12.1 Aichi Steel Corporation Company Information
13.12.2 Aichi Steel Corporation Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.12.3 Aichi Steel Corporation Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.12.4 Aichi Steel Corporation Main Business Overview
13.12.5 Aichi Steel Corporation Latest Developments
13.13 Tacterion GmbH
13.13.1 Tacterion GmbH Company Information
13.13.2 Tacterion GmbH Magnetic Field Sensing Sensor Product Portfolios and

+357 96 030922
info@marketpublishers.com

Specifications
13.13.3 Tacterion GmbH Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.13.4 Tacterion GmbH Main Business Overview
13.13.5 Tacterion GmbH Latest Developments
13.14 Omron
13.14.1 Omron Company Information
13.14.2 Omron Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.14.3 Omron Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.14.4 Omron Main Business Overview
13.14.5 Omron Latest Developments
13.15 Murata Manufacturing
13.15.1 Murata Manufacturing Company Information
13.15.2 Murata Manufacturing Magnetic Field Sensing Sensor Product Portfolios and Specifications
13.15.3 Murata Manufacturing Magnetic Field Sensing Sensor Sales, Revenue, Price and Gross Margin (2020-2025)
13.15.4 Murata Manufacturing Main Business Overview
13.15.5 Murata Manufacturing Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Magnetic Field Sensing Sensor Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & ($ millions)
Table 2. Magnetic Field Sensing Sensor Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & ($ millions)
Table 3. Major Players of Magnetoresistive Sensor
Table 4. Major Players of Hall Effect Sensor
Table 5. Global Magnetic Field Sensing Sensor Sales by Type (2020-2025) & (K Units)
Table 6. Global Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)
Table 7. Global Magnetic Field Sensing Sensor Revenue by Type (2020-2025) & ($ million)
Table 8. Global Magnetic Field Sensing Sensor Revenue Market Share by Type (2020-2025)
Table 9. Global Magnetic Field Sensing Sensor Sale Price by Type (2020-2025) & (US$/Unit)
Table 10. Global Magnetic Field Sensing Sensor Sale by Application (2020-2025) & (K Units)
Table 11. Global Magnetic Field Sensing Sensor Sale Market Share by Application (2020-2025)
Table 12. Global Magnetic Field Sensing Sensor Revenue by Application (2020-2025) & ($ million)
Table 13. Global Magnetic Field Sensing Sensor Revenue Market Share by Application (2020-2025)
Table 14. Global Magnetic Field Sensing Sensor Sale Price by Application (2020-2025) & (US$/Unit)
Table 15. Global Magnetic Field Sensing Sensor Sales by Company (2020-2025) & (K Units)
Table 16. Global Magnetic Field Sensing Sensor Sales Market Share by Company (2020-2025)
Table 17. Global Magnetic Field Sensing Sensor Revenue by Company (2020-2025) & ($ millions)
Table 18. Global Magnetic Field Sensing Sensor Revenue Market Share by Company (2020-2025)
Table 19. Global Magnetic Field Sensing Sensor Sale Price by Company (2020-2025) & (US$/Unit)

+357 96 030922
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Table 20. Key Manufacturers Magnetic Field Sensing Sensor Producing Area Distribution and Sales Area
Table 21. Players Magnetic Field Sensing Sensor Products Offered
Table 22. Magnetic Field Sensing Sensor Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 23. New Products and Potential Entrants
Table 24. Market M&A Activity & Strategy
Table 25. Global Magnetic Field Sensing Sensor Sales by Geographic Region (2020-2025) & (K Units)
Table 26. Global Magnetic Field Sensing Sensor Sales Market Share Geographic Region (2020-2025)
Table 27. Global Magnetic Field Sensing Sensor Revenue by Geographic Region (2020-2025) & ($ millions)
Table 28. Global Magnetic Field Sensing Sensor Revenue Market Share by Geographic Region (2020-2025)
Table 29. Global Magnetic Field Sensing Sensor Sales by Country/Region (2020-2025) & (K Units)
Table 30. Global Magnetic Field Sensing Sensor Sales Market Share by Country/Region (2020-2025)
Table 31. Global Magnetic Field Sensing Sensor Revenue by Country/Region (2020-2025) & ($ millions)
Table 32. Global Magnetic Field Sensing Sensor Revenue Market Share by Country/Region (2020-2025)
Table 33. Americas Magnetic Field Sensing Sensor Sales by Country (2020-2025) & (K Units)
Table 34. Americas Magnetic Field Sensing Sensor Sales Market Share by Country (2020-2025)
Table 35. Americas Magnetic Field Sensing Sensor Revenue by Country (2020-2025) & ($ millions)
Table 36. Americas Magnetic Field Sensing Sensor Sales by Type (2020-2025) & (K Units)
Table 37. Americas Magnetic Field Sensing Sensor Sales by Application (2020-2025) & (K Units)
Table 38. APAC Magnetic Field Sensing Sensor Sales by Region (2020-2025) & (K Units)
Table 39. APAC Magnetic Field Sensing Sensor Sales Market Share by Region (2020-2025)
Table 40. APAC Magnetic Field Sensing Sensor Revenue by Region (2020-2025) & ($ millions)

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Table 41. APAC Magnetic Field Sensing Sensor Sales by Type (2020-2025) & (K Units)
Table 42. APAC Magnetic Field Sensing Sensor Sales by Application (2020-2025) & (K Units)
Table 43. Europe Magnetic Field Sensing Sensor Sales by Country (2020-2025) & (K Units)
Table 44. Europe Magnetic Field Sensing Sensor Revenue by Country (2020-2025) & ($ millions)
Table 45. Europe Magnetic Field Sensing Sensor Sales by Type (2020-2025) & (K Units)
Table 46. Europe Magnetic Field Sensing Sensor Sales by Application (2020-2025) & (K Units)
Table 47. Middle East & Africa Magnetic Field Sensing Sensor Sales by Country (2020-2025) & (K Units)
Table 48. Middle East & Africa Magnetic Field Sensing Sensor Revenue Market Share by Country (2020-2025)
Table 49. Middle East & Africa Magnetic Field Sensing Sensor Sales by Type (2020-2025) & (K Units)
Table 50. Middle East & Africa Magnetic Field Sensing Sensor Sales by Application (2020-2025) & (K Units)
Table 51. Key Market Drivers & Growth Opportunities of Magnetic Field Sensing Sensor
Table 52. Key Market Challenges & Risks of Magnetic Field Sensing Sensor
Table 53. Key Industry Trends of Magnetic Field Sensing Sensor
Table 54. Magnetic Field Sensing Sensor Raw Material
Table 55. Key Suppliers of Raw Materials
Table 56. Magnetic Field Sensing Sensor Distributors List
Table 57. Magnetic Field Sensing Sensor Customer List
Table 58. Global Magnetic Field Sensing Sensor Sales Forecast by Region (2026-2031) & (K Units)
Table 59. Global Magnetic Field Sensing Sensor Revenue Forecast by Region (2026-2031) & ($ millions)
Table 60. Americas Magnetic Field Sensing Sensor Sales Forecast by Country (2026-2031) & (K Units)
Table 61. Americas Magnetic Field Sensing Sensor Annual Revenue Forecast by Country (2026-2031) & ($ millions)
Table 62. APAC Magnetic Field Sensing Sensor Sales Forecast by Region (2026-2031) & (K Units)
Table 63. APAC Magnetic Field Sensing Sensor Annual Revenue Forecast by Region (2026-2031) & ($ millions)
Table 64. Europe Magnetic Field Sensing Sensor Sales Forecast by Country

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(2026-2031) & (K Units)
Table 65. Europe Magnetic Field Sensing Sensor Revenue Forecast by Country (2026-2031) & ($ millions)
Table 66. Middle East & Africa Magnetic Field Sensing Sensor Sales Forecast by Country (2026-2031) & (K Units)
Table 67. Middle East & Africa Magnetic Field Sensing Sensor Revenue Forecast by Country (2026-2031) & ($ millions)
Table 68. Global Magnetic Field Sensing Sensor Sales Forecast by Type (2026-2031) & (K Units)
Table 69. Global Magnetic Field Sensing Sensor Revenue Forecast by Type (2026-2031) & ($ millions)
Table 70. Global Magnetic Field Sensing Sensor Sales Forecast by Application (2026-2031) & (K Units)
Table 71. Global Magnetic Field Sensing Sensor Revenue Forecast by Application (2026-2031) & ($ millions)
Table 72. TDK Corporation Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 73. TDK Corporation Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 74. TDK Corporation Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 75. TDK Corporation Main Business
Table 76. TDK Corporation Latest Developments
Table 77. Infineon Technologies Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 78. Infineon Technologies Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 79. Infineon Technologies Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 80. Infineon Technologies Main Business
Table 81. Infineon Technologies Latest Developments
Table 82. Honeywell International Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 83. Honeywell International Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 84. Honeywell International Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 85. Honeywell International Main Business
Table 86. Honeywell International Latest Developments

+357 96 030922
info@marketpublishers.com

Table 87. Allegro MicroSystems Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 88. Allegro MicroSystems Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 89. Allegro MicroSystems Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 90. Allegro MicroSystems Main Business
Table 91. Allegro MicroSystems Latest Developments
Table 92. TE Connectivity Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 93. TE Connectivity Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 94. TE Connectivity Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 95. TE Connectivity Main Business
Table 96. TE Connectivity Latest Developments
Table 97. NXP Semiconductors Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 98. NXP Semiconductors Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 99. NXP Semiconductors Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 100. NXP Semiconductors Main Business
Table 101. NXP Semiconductors Latest Developments
Table 102. Melexis Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 103. Melexis Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 104. Melexis Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 105. Melexis Main Business
Table 106. Melexis Latest Developments
Table 107. AMS OSRAM Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 108. AMS OSRAM Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 109. AMS OSRAM Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 110. AMS OSRAM Main Business

+357 96 030922
info@marketpublishers.com

Table 111. AMS OSRAM Latest Developments
Table 112. Pressure Profile Systems Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 113. Pressure Profile Systems Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 114. Pressure Profile Systems Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 115. Pressure Profile Systems Main Business
Table 116. Pressure Profile Systems Latest Developments
Table 117. Sensata Technologies Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 118. Sensata Technologies Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 119. Sensata Technologies Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 120. Sensata Technologies Main Business
Table 121. Sensata Technologies Latest Developments
Table 122. Baumer Group Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 123. Baumer Group Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 124. Baumer Group Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 125. Baumer Group Main Business
Table 126. Baumer Group Latest Developments
Table 127. Aichi Steel Corporation Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 128. Aichi Steel Corporation Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 129. Aichi Steel Corporation Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 130. Aichi Steel Corporation Main Business
Table 131. Aichi Steel Corporation Latest Developments
Table 132. Tacterion GmbH Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 133. Tacterion GmbH Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 134. Tacterion GmbH Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)

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Table 135. Tacterion GmbH Main Business
Table 136. Tacterion GmbH Latest Developments
Table 137. Omron Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 138. Omron Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 139. Omron Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 140. Omron Main Business
Table 141. Omron Latest Developments
Table 142. Murata Manufacturing Basic Information, Magnetic Field Sensing Sensor Manufacturing Base, Sales Area and Its Competitors
Table 143. Murata Manufacturing Magnetic Field Sensing Sensor Product Portfolios and Specifications
Table 144. Murata Manufacturing Magnetic Field Sensing Sensor Sales (K Units), Revenue ($ Million), Price (US$/Unit) and Gross Margin (2020-2025)
Table 145. Murata Manufacturing Main Business
Table 146. Murata Manufacturing Latest Developments

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List Of Figures

LIST OF FIGURES

Figure 1. Picture of Magnetic Field Sensing Sensor
Figure 2. Magnetic Field Sensing Sensor Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Magnetic Field Sensing Sensor Sales Growth Rate 2020-2031 (K Units)
Figure 7. Global Magnetic Field Sensing Sensor Revenue Growth Rate 2020-2031 ($ millions)
Figure 8. Magnetic Field Sensing Sensor Sales by Geographic Region (2020, 2024 & 2031) & ($ millions)
Figure 9. Magnetic Field Sensing Sensor Sales Market Share by Country/Region (2024)
Figure 10. Magnetic Field Sensing Sensor Sales Market Share by Country/Region (2020, 2024 & 2031)
Figure 11. Product Picture of Magnetoresistive Sensor
Figure 12. Product Picture of Hall Effect Sensor
Figure 13. Global Magnetic Field Sensing Sensor Sales Market Share by Type in 2025
Figure 14. Global Magnetic Field Sensing Sensor Revenue Market Share by Type (2020-2025)
Figure 15. Magnetic Field Sensing Sensor Consumed in Medical Industry
Figure 16. Global Magnetic Field Sensing Sensor Market: Medical Industry (2020-2025) & (K Units)
Figure 17. Magnetic Field Sensing Sensor Consumed in Consumer Electronics
Figure 18. Global Magnetic Field Sensing Sensor Market: Consumer Electronics (2020-2025) & (K Units)
Figure 19. Magnetic Field Sensing Sensor Consumed in Automotive Industry
Figure 20. Global Magnetic Field Sensing Sensor Market: Automotive Industry (2020-2025) & (K Units)
Figure 21. Magnetic Field Sensing Sensor Consumed in Others
Figure 22. Global Magnetic Field Sensing Sensor Market: Others (2020-2025) & (K Units)
Figure 23. Global Magnetic Field Sensing Sensor Sale Market Share by Application (2024)
Figure 24. Global Magnetic Field Sensing Sensor Revenue Market Share by Application in 2025

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Figure 25. Magnetic Field Sensing Sensor Sales by Company in 2025 (K Units)
Figure 26. Global Magnetic Field Sensing Sensor Sales Market Share by Company in 2025
Figure 27. Magnetic Field Sensing Sensor Revenue by Company in 2025 ($ millions)
Figure 28. Global Magnetic Field Sensing Sensor Revenue Market Share by Company in 2025
Figure 29. Global Magnetic Field Sensing Sensor Sales Market Share by Geographic Region (2020-2025)
Figure 30. Global Magnetic Field Sensing Sensor Revenue Market Share by Geographic Region in 2025
Figure 31. Americas Magnetic Field Sensing Sensor Sales 2020-2025 (K Units)
Figure 32. Americas Magnetic Field Sensing Sensor Revenue 2020-2025 ($ millions)
Figure 33. APAC Magnetic Field Sensing Sensor Sales 2020-2025 (K Units)
Figure 34. APAC Magnetic Field Sensing Sensor Revenue 2020-2025 ($ millions)
Figure 35. Europe Magnetic Field Sensing Sensor Sales 2020-2025 (K Units)
Figure 36. Europe Magnetic Field Sensing Sensor Revenue 2020-2025 ($ millions)
Figure 37. Middle East & Africa Magnetic Field Sensing Sensor Sales 2020-2025 (K Units)
Figure 38. Middle East & Africa Magnetic Field Sensing Sensor Revenue 2020-2025 ($ millions)
Figure 39. Americas Magnetic Field Sensing Sensor Sales Market Share by Country in 2025
Figure 40. Americas Magnetic Field Sensing Sensor Revenue Market Share by Country (2020-2025)
Figure 41. Americas Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)
Figure 42. Americas Magnetic Field Sensing Sensor Sales Market Share by Application (2020-2025)
Figure 43. United States Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 44. Canada Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 45. Mexico Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 46. Brazil Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 47. APAC Magnetic Field Sensing Sensor Sales Market Share by Region in 2025
Figure 48. APAC Magnetic Field Sensing Sensor Revenue Market Share by Region

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(2020-2025)
Figure 49. APAC Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)
Figure 50. APAC Magnetic Field Sensing Sensor Sales Market Share by Application (2020-2025)
Figure 51. China Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 52. Japan Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 53. South Korea Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 54. Southeast Asia Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 55. India Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 56. Australia Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 57. China Taiwan Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 58. Europe Magnetic Field Sensing Sensor Sales Market Share by Country in 2025
Figure 59. Europe Magnetic Field Sensing Sensor Revenue Market Share by Country (2020-2025)
Figure 60. Europe Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)
Figure 61. Europe Magnetic Field Sensing Sensor Sales Market Share by Application (2020-2025)
Figure 62. Germany Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 63. France Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 64. UK Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 65. Italy Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 66. Russia Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 67. Middle East & Africa Magnetic Field Sensing Sensor Sales Market Share by Country (2020-2025)
Figure 68. Middle East & Africa Magnetic Field Sensing Sensor Sales Market Share by Type (2020-2025)

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Figure 69. Middle East & Africa Magnetic Field Sensing Sensor Sales Market Share by Application (2020-2025)
Figure 70. Egypt Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 71. South Africa Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 72. Israel Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 73. Turkey Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 74. GCC Countries Magnetic Field Sensing Sensor Revenue Growth 2020-2025 ($ millions)
Figure 75. Manufacturing Cost Structure Analysis of Magnetic Field Sensing Sensor in 2025
Figure 76. Manufacturing Process Analysis of Magnetic Field Sensing Sensor
Figure 77. Industry Chain Structure of Magnetic Field Sensing Sensor
Figure 78. Channels of Distribution
Figure 79. Global Magnetic Field Sensing Sensor Sales Market Forecast by Region (2026-2031)
Figure 80. Global Magnetic Field Sensing Sensor Revenue Market Share Forecast by Region (2026-2031)
Figure 81. Global Magnetic Field Sensing Sensor Sales Market Share Forecast by Type (2026-2031)
Figure 82. Global Magnetic Field Sensing Sensor Revenue Market Share Forecast by Type (2026-2031)
Figure 83. Global Magnetic Field Sensing Sensor Sales Market Share Forecast by Application (2026-2031)
Figure 84. Global Magnetic Field Sensing Sensor Revenue Market Share Forecast by Application (2026-2031)

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