

Global PM Sensor for Automotive Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global PM Sensor for Automotive market size is expected to reach \$ 280.7 million by 2029, rising at a market growth of 2.5% CAGR during the forecast period (2023-2029).

Real-Time Monitoring: PM sensors in modern vehicles provide real-time feedback to the engine control unit (ECU) or onboard diagnostics (OBD) system. This information helps optimize combustion and emissions control strategies for better fuel efficiency and reduced emissions.

Advanced Materials: Researchers have been working on developing more advanced and cost-effective PM sensor materials, such as metal oxides and nanomaterials, to enhance sensor performance and durability.

IoT and Connectivity: The rise of connected vehicles and the Internet of Things (IoT) has allowed for remote monitoring and data analysis of PM sensor data. This enables automakers and fleet operators to track and optimize vehicle emissions performance.

Air Quality Improvement: Beyond regulatory compliance, some automakers are marketing vehicles with advanced PM sensors as a means to improve air quality inside the cabin. These sensors can activate air purification systems when high levels of PM are detected.

A PM (Particulate Matter) sensor for automotive applications is a device used to measure and monitor the concentration of particulate matter in the exhaust emissions of vehicles. Particulate matter refers to tiny particles or droplets in the air that can be composed of various materials, including dust, soot, smoke, and other fine particles. In

the context of automotive emissions, it typically refers to the fine particles produced by the combustion of fuel in the engine.

This report studies the global PM Sensor for Automotive production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PM Sensor for Automotive, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of PM Sensor for Automotive that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PM Sensor for Automotive total production and demand, 2018-2029, (K Units)

Global PM Sensor for Automotive total production value, 2018-2029, (USD Million)

Global PM Sensor for Automotive production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PM Sensor for Automotive consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: PM Sensor for Automotive domestic production, consumption, key domestic manufacturers and share

Global PM Sensor for Automotive production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global PM Sensor for Automotive production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PM Sensor for Automotive production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global PM Sensor for Automotive market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Bosch, Paragon, Amphenol Advanced Sensors, BorgWarner, Denso Corporation, Sensirion, Cubic Sensor and Instrument, Valeo Group and Hella, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PM Sensor for Automotive market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global PM Sensor for Automotive Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PM Sensor for Automotive Market, Segmentation by Type

Exhaust PM Sensor

In-cabin PM Sensor

Air-intake PM Sensor

Global PM Sensor for Automotive Market, Segmentation by Application

Passenger Car

Commercial Vehicle

Companies Profiled:

Bosch

Paragon

Amphenol Advanced Sensors

BorgWarner

Denso Corporation

Sensirion

Cubic Sensor and Instrument

Valeo Group

Hella

Key Questions Answered

1. How big is the global PM Sensor for Automotive market?

2. What is the demand of the global PM Sensor for Automotive market?
3. What is the year over year growth of the global PM Sensor for Automotive market?
4. What is the production and production value of the global PM Sensor for Automotive market?
5. Who are the key producers in the global PM Sensor for Automotive market?

Contents

1 SUPPLY SUMMARY

- 1.1 PM Sensor for Automotive Introduction
- 1.2 World PM Sensor for Automotive Supply & Forecast
 - 1.2.1 World PM Sensor for Automotive Production Value (2018 & 2022 & 2029)
 - 1.2.2 World PM Sensor for Automotive Production (2018-2029)
 - 1.2.3 World PM Sensor for Automotive Pricing Trends (2018-2029)
- 1.3 World PM Sensor for Automotive Production by Region (Based on Production Site)
 - 1.3.1 World PM Sensor for Automotive Production Value by Region (2018-2029)
 - 1.3.2 World PM Sensor for Automotive Production by Region (2018-2029)
 - 1.3.3 World PM Sensor for Automotive Average Price by Region (2018-2029)
 - 1.3.4 North America PM Sensor for Automotive Production (2018-2029)
 - 1.3.5 Europe PM Sensor for Automotive Production (2018-2029)
 - 1.3.6 China PM Sensor for Automotive Production (2018-2029)
 - 1.3.7 Japan PM Sensor for Automotive Production (2018-2029)
 - 1.3.8 South Korea PM Sensor for Automotive Production (2018-2029)
 - 1.3.9 India PM Sensor for Automotive Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 PM Sensor for Automotive Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 PM Sensor for Automotive Major Market Trends

2 DEMAND SUMMARY

- 2.1 World PM Sensor for Automotive Demand (2018-2029)
- 2.2 World PM Sensor for Automotive Consumption by Region
 - 2.2.1 World PM Sensor for Automotive Consumption by Region (2018-2023)
 - 2.2.2 World PM Sensor for Automotive Consumption Forecast by Region (2024-2029)
- 2.3 United States PM Sensor for Automotive Consumption (2018-2029)
- 2.4 China PM Sensor for Automotive Consumption (2018-2029)
- 2.5 Europe PM Sensor for Automotive Consumption (2018-2029)
- 2.6 Japan PM Sensor for Automotive Consumption (2018-2029)
- 2.7 South Korea PM Sensor for Automotive Consumption (2018-2029)
- 2.8 ASEAN PM Sensor for Automotive Consumption (2018-2029)
- 2.9 India PM Sensor for Automotive Consumption (2018-2029)

3 WORLD PM SENSOR FOR AUTOMOTIVE MANUFACTURERS COMPETITIVE

ANALYSIS

- 3.1 World PM Sensor for Automotive Production Value by Manufacturer (2018-2023)
- 3.2 World PM Sensor for Automotive Production by Manufacturer (2018-2023)
- 3.3 World PM Sensor for Automotive Average Price by Manufacturer (2018-2023)
- 3.4 PM Sensor for Automotive Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global PM Sensor for Automotive Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for PM Sensor for Automotive in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for PM Sensor for Automotive in 2022
- 3.6 PM Sensor for Automotive Market: Overall Company Footprint Analysis
 - 3.6.1 PM Sensor for Automotive Market: Region Footprint
 - 3.6.2 PM Sensor for Automotive Market: Company Product Type Footprint
 - 3.6.3 PM Sensor for Automotive Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: PM Sensor for Automotive Production Value Comparison
 - 4.1.1 United States VS China: PM Sensor for Automotive Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: PM Sensor for Automotive Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: PM Sensor for Automotive Production Comparison
 - 4.2.1 United States VS China: PM Sensor for Automotive Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: PM Sensor for Automotive Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: PM Sensor for Automotive Consumption Comparison
 - 4.3.1 United States VS China: PM Sensor for Automotive Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: PM Sensor for Automotive Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based PM Sensor for Automotive Manufacturers and Market Share,

2018-2023

4.4.1 United States Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers PM Sensor for Automotive Production Value (2018-2023)

4.4.3 United States Based Manufacturers PM Sensor for Automotive Production (2018-2023)

4.5 China Based PM Sensor for Automotive Manufacturers and Market Share

4.5.1 China Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers PM Sensor for Automotive Production Value (2018-2023)

4.5.3 China Based Manufacturers PM Sensor for Automotive Production (2018-2023)

4.6 Rest of World Based PM Sensor for Automotive Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers PM Sensor for Automotive Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers PM Sensor for Automotive Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World PM Sensor for Automotive Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Exhaust PM Sensor

5.2.2 In-cabin PM Sensor

5.2.3 Air-intake PM Sensor

5.3 Market Segment by Type

5.3.1 World PM Sensor for Automotive Production by Type (2018-2029)

5.3.2 World PM Sensor for Automotive Production Value by Type (2018-2029)

5.3.3 World PM Sensor for Automotive Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World PM Sensor for Automotive Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Passenger Car

6.2.2 Commercial Vehicle

6.3 Market Segment by Application

6.3.1 World PM Sensor for Automotive Production by Application (2018-2029)

6.3.2 World PM Sensor for Automotive Production Value by Application (2018-2029)

6.3.3 World PM Sensor for Automotive Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Bosch

7.1.1 Bosch Details

7.1.2 Bosch Major Business

7.1.3 Bosch PM Sensor for Automotive Product and Services

7.1.4 Bosch PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Bosch Recent Developments/Updates

7.1.6 Bosch Competitive Strengths & Weaknesses

7.2 Paragon

7.2.1 Paragon Details

7.2.2 Paragon Major Business

7.2.3 Paragon PM Sensor for Automotive Product and Services

7.2.4 Paragon PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Paragon Recent Developments/Updates

7.2.6 Paragon Competitive Strengths & Weaknesses

7.3 Amphenol Advanced Sensors

7.3.1 Amphenol Advanced Sensors Details

7.3.2 Amphenol Advanced Sensors Major Business

7.3.3 Amphenol Advanced Sensors PM Sensor for Automotive Product and Services

7.3.4 Amphenol Advanced Sensors PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Amphenol Advanced Sensors Recent Developments/Updates

7.3.6 Amphenol Advanced Sensors Competitive Strengths & Weaknesses

7.4 BorgWarner

7.4.1 BorgWarner Details

7.4.2 BorgWarner Major Business

7.4.3 BorgWarner PM Sensor for Automotive Product and Services

7.4.4 BorgWarner PM Sensor for Automotive Production, Price, Value, Gross Margin

and Market Share (2018-2023)

7.4.5 BorgWarner Recent Developments/Updates

7.4.6 BorgWarner Competitive Strengths & Weaknesses

7.5 Denso Corporation

7.5.1 Denso Corporation Details

7.5.2 Denso Corporation Major Business

7.5.3 Denso Corporation PM Sensor for Automotive Product and Services

7.5.4 Denso Corporation PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Denso Corporation Recent Developments/Updates

7.5.6 Denso Corporation Competitive Strengths & Weaknesses

7.6 Sensirion

7.6.1 Sensirion Details

7.6.2 Sensirion Major Business

7.6.3 Sensirion PM Sensor for Automotive Product and Services

7.6.4 Sensirion PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 Sensirion Recent Developments/Updates

7.6.6 Sensirion Competitive Strengths & Weaknesses

7.7 Cubic Sensor and Instrument

7.7.1 Cubic Sensor and Instrument Details

7.7.2 Cubic Sensor and Instrument Major Business

7.7.3 Cubic Sensor and Instrument PM Sensor for Automotive Product and Services

7.7.4 Cubic Sensor and Instrument PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Cubic Sensor and Instrument Recent Developments/Updates

7.7.6 Cubic Sensor and Instrument Competitive Strengths & Weaknesses

7.8 Valeo Group

7.8.1 Valeo Group Details

7.8.2 Valeo Group Major Business

7.8.3 Valeo Group PM Sensor for Automotive Product and Services

7.8.4 Valeo Group PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 Valeo Group Recent Developments/Updates

7.8.6 Valeo Group Competitive Strengths & Weaknesses

7.9 Hella

7.9.1 Hella Details

7.9.2 Hella Major Business

7.9.3 Hella PM Sensor for Automotive Product and Services

7.9.4 Hella PM Sensor for Automotive Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Hella Recent Developments/Updates

7.9.6 Hella Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 PM Sensor for Automotive Industry Chain

8.2 PM Sensor for Automotive Upstream Analysis

8.2.1 PM Sensor for Automotive Core Raw Materials

8.2.2 Main Manufacturers of PM Sensor for Automotive Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 PM Sensor for Automotive Production Mode

8.6 PM Sensor for Automotive Procurement Model

8.7 PM Sensor for Automotive Industry Sales Model and Sales Channels

8.7.1 PM Sensor for Automotive Sales Model

8.7.2 PM Sensor for Automotive Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World PM Sensor for Automotive Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World PM Sensor for Automotive Production Value by Region (2018-2023) & (USD Million)

Table 3. World PM Sensor for Automotive Production Value by Region (2024-2029) & (USD Million)

Table 4. World PM Sensor for Automotive Production Value Market Share by Region (2018-2023)

Table 5. World PM Sensor for Automotive Production Value Market Share by Region (2024-2029)

Table 6. World PM Sensor for Automotive Production by Region (2018-2023) & (K Units)

Table 7. World PM Sensor for Automotive Production by Region (2024-2029) & (K Units)

Table 8. World PM Sensor for Automotive Production Market Share by Region (2018-2023)

Table 9. World PM Sensor for Automotive Production Market Share by Region (2024-2029)

Table 10. World PM Sensor for Automotive Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World PM Sensor for Automotive Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. PM Sensor for Automotive Major Market Trends

Table 13. World PM Sensor for Automotive Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World PM Sensor for Automotive Consumption by Region (2018-2023) & (K Units)

Table 15. World PM Sensor for Automotive Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World PM Sensor for Automotive Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key PM Sensor for Automotive Producers in 2022

Table 18. World PM Sensor for Automotive Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key PM Sensor for Automotive Producers in 2022

Table 20. World PM Sensor for Automotive Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global PM Sensor for Automotive Company Evaluation Quadrant

Table 22. World PM Sensor for Automotive Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and PM Sensor for Automotive Production Site of Key Manufacturer

Table 24. PM Sensor for Automotive Market: Company Product Type Footprint

Table 25. PM Sensor for Automotive Market: Company Product Application Footprint

Table 26. PM Sensor for Automotive Competitive Factors

Table 27. PM Sensor for Automotive New Entrant and Capacity Expansion Plans

Table 28. PM Sensor for Automotive Mergers & Acquisitions Activity

Table 29. United States VS China PM Sensor for Automotive Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China PM Sensor for Automotive Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China PM Sensor for Automotive Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers PM Sensor for Automotive Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers PM Sensor for Automotive Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers PM Sensor for Automotive Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers PM Sensor for Automotive Production Market Share (2018-2023)

Table 37. China Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers PM Sensor for Automotive Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers PM Sensor for Automotive Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers PM Sensor for Automotive Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers PM Sensor for Automotive Production Market Share (2018-2023)

Table 42. Rest of World Based PM Sensor for Automotive Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers PM Sensor for Automotive Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers PM Sensor for Automotive Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers PM Sensor for Automotive Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers PM Sensor for Automotive Production Market Share (2018-2023)

Table 47. World PM Sensor for Automotive Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World PM Sensor for Automotive Production by Type (2018-2023) & (K Units)

Table 49. World PM Sensor for Automotive Production by Type (2024-2029) & (K Units)

Table 50. World PM Sensor for Automotive Production Value by Type (2018-2023) & (USD Million)

Table 51. World PM Sensor for Automotive Production Value by Type (2024-2029) & (USD Million)

Table 52. World PM Sensor for Automotive Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World PM Sensor for Automotive Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World PM Sensor for Automotive Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World PM Sensor for Automotive Production by Application (2018-2023) & (K Units)

Table 56. World PM Sensor for Automotive Production by Application (2024-2029) & (K Units)

Table 57. World PM Sensor for Automotive Production Value by Application (2018-2023) & (USD Million)

Table 58. World PM Sensor for Automotive Production Value by Application (2024-2029) & (USD Million)

Table 59. World PM Sensor for Automotive Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World PM Sensor for Automotive Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Bosch Basic Information, Manufacturing Base and Competitors

Table 62. Bosch Major Business

Table 63. Bosch PM Sensor for Automotive Product and Services

Table 64. Bosch PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Bosch Recent Developments/Updates

Table 66. Bosch Competitive Strengths & Weaknesses

Table 67. Paragon Basic Information, Manufacturing Base and Competitors

Table 68. Paragon Major Business

Table 69. Paragon PM Sensor for Automotive Product and Services

Table 70. Paragon PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Paragon Recent Developments/Updates

Table 72. Paragon Competitive Strengths & Weaknesses

Table 73. Amphenol Advanced Sensors Basic Information, Manufacturing Base and Competitors

Table 74. Amphenol Advanced Sensors Major Business

Table 75. Amphenol Advanced Sensors PM Sensor for Automotive Product and Services

Table 76. Amphenol Advanced Sensors PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Amphenol Advanced Sensors Recent Developments/Updates

Table 78. Amphenol Advanced Sensors Competitive Strengths & Weaknesses

Table 79. BorgWarner Basic Information, Manufacturing Base and Competitors

Table 80. BorgWarner Major Business

Table 81. BorgWarner PM Sensor for Automotive Product and Services

Table 82. BorgWarner PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. BorgWarner Recent Developments/Updates

Table 84. BorgWarner Competitive Strengths & Weaknesses

Table 85. Denso Corporation Basic Information, Manufacturing Base and Competitors

Table 86. Denso Corporation Major Business

Table 87. Denso Corporation PM Sensor for Automotive Product and Services

Table 88. Denso Corporation PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Denso Corporation Recent Developments/Updates

Table 90. Denso Corporation Competitive Strengths & Weaknesses

Table 91. Sensirion Basic Information, Manufacturing Base and Competitors

Table 92. Sensirion Major Business

Table 93. Sensirion PM Sensor for Automotive Product and Services

Table 94. Sensirion PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Sensirion Recent Developments/Updates

Table 96. Sensirion Competitive Strengths & Weaknesses

Table 97. Cubic Sensor and Instrument Basic Information, Manufacturing Base and Competitors

Table 98. Cubic Sensor and Instrument Major Business

Table 99. Cubic Sensor and Instrument PM Sensor for Automotive Product and Services

Table 100. Cubic Sensor and Instrument PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Cubic Sensor and Instrument Recent Developments/Updates

Table 102. Cubic Sensor and Instrument Competitive Strengths & Weaknesses

Table 103. Valeo Group Basic Information, Manufacturing Base and Competitors

Table 104. Valeo Group Major Business

Table 105. Valeo Group PM Sensor for Automotive Product and Services

Table 106. Valeo Group PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Valeo Group Recent Developments/Updates

Table 108. Hella Basic Information, Manufacturing Base and Competitors

Table 109. Hella Major Business

Table 110. Hella PM Sensor for Automotive Product and Services

Table 111. Hella PM Sensor for Automotive Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 112. Global Key Players of PM Sensor for Automotive Upstream (Raw Materials)

Table 113. PM Sensor for Automotive Typical Customers

Table 114. PM Sensor for Automotive Typical Distributors

List of Figure

Figure 1. PM Sensor for Automotive Picture

Figure 2. World PM Sensor for Automotive Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World PM Sensor for Automotive Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 5. World PM Sensor for Automotive Average Price (2018-2029) & (US\$/Unit)

Figure 6. World PM Sensor for Automotive Production Value Market Share by Region

(2018-2029)

Figure 7. World PM Sensor for Automotive Production Market Share by Region

(2018-2029)

Figure 8. North America PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 9. Europe PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 10. China PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 11. Japan PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 12. South Korea PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 13. India PM Sensor for Automotive Production (2018-2029) & (K Units)

Figure 14. PM Sensor for Automotive Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 17. World PM Sensor for Automotive Consumption Market Share by Region
(2018-2029)

Figure 18. United States PM Sensor for Automotive Consumption (2018-2029) & (K
Units)

Figure 19. China PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 20. Europe PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 21. Japan PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 22. South Korea PM Sensor for Automotive Consumption (2018-2029) & (K
Units)

Figure 23. ASEAN PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 24. India PM Sensor for Automotive Consumption (2018-2029) & (K Units)

Figure 25. Producer Shipments of PM Sensor for Automotive by Manufacturer Revenue
(\$MM) and Market Share (%): 2022

Figure 26. Global Four-firm Concentration Ratios (CR4) for PM Sensor for Automotive
Markets in 2022

Figure 27. Global Four-firm Concentration Ratios (CR8) for PM Sensor for Automotive
Markets in 2022

Figure 28. United States VS China: PM Sensor for Automotive Production Value Market
Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: PM Sensor for Automotive Production Market Share
Comparison (2018 & 2022 & 2029)

Figure 30. United States VS China: PM Sensor for Automotive Consumption Market
Share Comparison (2018 & 2022 & 2029)

Figure 31. United States Based Manufacturers PM Sensor for Automotive Production
Market Share 2022

Figure 32. China Based Manufacturers PM Sensor for Automotive Production Market
Share 2022

Figure 33. Rest of World Based Manufacturers PM Sensor for Automotive Production Market Share 2022

Figure 34. World PM Sensor for Automotive Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 35. World PM Sensor for Automotive Production Value Market Share by Type in 2022

Figure 36. Exhaust PM Sensor

Figure 37. In-cabin PM Sensor

Figure 38. Air-intake PM Sensor

Figure 39. World PM Sensor for Automotive Production Market Share by Type (2018-2029)

Figure 40. World PM Sensor for Automotive Production Value Market Share by Type (2018-2029)

Figure 41. World PM Sensor for Automotive Average Price by Type (2018-2029) & (US\$/Unit)

Figure 42. World PM Sensor for Automotive Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 43. World PM Sensor for Automotive Production Value Market Share by Application in 2022

Figure 44. Passenger Car

Figure 45. Commercial Vehicle

Figure 46. World PM Sensor for Automotive Production Market Share by Application (2018-2029)

Figure 47. World PM Sensor for Automotive Production Value Market Share by Application (2018-2029)

Figure 48. World PM Sensor for Automotive Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. PM Sensor for Automotive Industry Chain

Figure 50. PM Sensor for Automotive Procurement Model

Figure 51. PM Sensor for Automotive Sales Model

Figure 52. PM Sensor for Automotive Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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