

Global Flap Position Sensors Market Growth 2026-2032

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Abstracts

The global Flap Position Sensors market size is predicted to grow from US\$ 1252 million in 2025 to US\$ 2000 million in 2032; it is expected to grow at a CAGR of 7.0% from 2026 to 2032.

In 2025, global Flap Position Sensor output reached about 160 million units and global capacity of around 200 million units. The average price is about USD 8 per unit, with gross margins near 31%. Flap Position Sensor are electromechanical or non-contact sensing devices used to detect and transmit the angular or linear position of movable flaps, valves, dampers, throttle plates, HVAC air-mix doors, turbocharger vanes, aircraft wing flaps, and industrial actuator components. These sensors typically operate using Hall-effect, potentiometric, inductive, magnetoresistive, or optical sensing technologies, converting mechanical movement into electrical signals for real-time monitoring and closed-loop control. In automotive applications, flap position sensors are widely used in intake manifolds, EGR systems, HVAC airflow systems, and active aerodynamic systems, while aerospace and industrial sectors use them for flight control surfaces and process automation equipment. The supply chain begins with upstream raw material and component suppliers providing semiconductors, ASICs, magnets, rare-earth materials, copper coils, engineering plastics, aluminum housings, bearings, and PCB substrates. Midstream manufacturers design and assemble sensing elements, signal conditioning circuits, connectors, and sealed sensor modules, followed by calibration, EMC testing, and functional validation. Downstream customers include automotive OEMs, aerospace system integrators, industrial automation companies, HVAC equipment manufacturers, and aftermarket parts distributors, with final integration into ECUs, actuators, and motion-control systems for precise position feedback and safety monitoring.

United States market for Flap Position Sensors is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Flap Position Sensors is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Flap Position Sensors is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Flap Position Sensors players cover Bosch (Germany), Continental (Germany), DENSO (Japan), ZF Friedrichshafen (Germany), HELLA (Germany), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Flap Position Sensors Industry Forecast" looks at past sales and reviews total world Flap Position Sensors sales in 2025, providing a comprehensive analysis by region and market sector of projected Flap Position Sensors sales for 2026 through 2032. With Flap Position Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Flap Position Sensors industry.

This Insight Report provides a comprehensive analysis of the global Flap Position Sensors 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 Flap Position Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Flap Position Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Flap Position Sensors 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 Flap Position Sensors.

This report presents a comprehensive overview, market shares, and growth opportunities of Flap Position Sensors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Potentiometric Type

Hall-Effect Type

Inductive Type

Magnetoresistive Type

Optical Type

Segmentation by Accuracy Level:

±1%?

±0.1%?

Below ±0.1%

Segmentation by Application:

Automotive

Aerospace

Industrial

HVAC Systems

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

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

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.

Bosch (Germany)

Continental (Germany)

DENSO (Japan)

ZF Friedrichshafen (Germany)

HELLA (Germany)

Valeo (France)

Hitachi Astemo (Japan)

Aptiv (Ireland)

Ningbo Joyson Electronic (China)

Desay SV Automotive (China)

Hyundai Mobis (South Korea)

Marelli (Italy)

Sensata (USA)

CTS Corp (USA)

Tokai Rika (Japan)

Panasonic Automotive Systems (Japan)

Alps Alpine (Japan)

Novotechnik (Germany)

Honeywell (USA)

Film Electronics (India)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Flap Position Sensors market?

What factors are driving Flap Position Sensors market growth, globally and by region?

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

How do Flap Position Sensors market opportunities vary by end market size?

How does Flap Position Sensors break out by Type, by Application?

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 Flap Position Sensors Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Flap Position Sensors by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Flap Position Sensors by Country/Region, 2021, 2025 & 2032
- 2.2 Flap Position Sensors Segment by Type
 - 2.2.1 Potentiometric Type
 - 2.2.2 Hall-Effect Type
 - 2.2.3 Inductive Type
 - 2.2.4 Magnetoresistive Type
 - 2.2.5 Optical Type
 - 2.2.6 Flap Position Sensors Sales by Type
 - 2.2.6.1 Global Flap Position Sensors Sales Market Share by Type (2021-2026)
 - 2.2.6.2 Global Flap Position Sensors Revenue and Market Share by Type (2021-2026)
 - 2.2.6.3 Global Flap Position Sensors Sale Price by Type (2021-2026)
- 2.3 Flap Position Sensors Segment by Accuracy Level
 - 2.3.1 ?1?3?
 - 2.3.2 ?0.1?1?
 - 2.3.3 Below ?0.1?
 - 2.3.4 Flap Position Sensors Sales by Accuracy Level
 - 2.3.4.1 Global Flap Position Sensors Sales Market Share by Accuracy Level (2021-2026)

2.3.4.2 Global Flap Position Sensors Revenue and Market Share by Accuracy Level (2021-2026)

2.3.4.3 Global Flap Position Sensors Sale Price by Accuracy Level (2021-2026)

2.4 Flap Position Sensors Segment by Application

2.4.1 Automotive

2.4.2 Aerospace

2.4.3 Industrial

2.4.4 HVAC Systems

2.4.5 Others

2.4.6 Flap Position Sensors Sales by Application

2.4.6.1 Global Flap Position Sensors Sale Market Share by Application (2021-2026)

2.4.6.2 Global Flap Position Sensors Revenue and Market Share by Application (2021-2026)

2.4.6.3 Global Flap Position Sensors Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Flap Position Sensors Breakdown Data by Company

3.1.1 Global Flap Position Sensors Annual Sales by Company (2021-2026)

3.1.2 Global Flap Position Sensors Sales Market Share by Company (2021-2026)

3.2 Global Flap Position Sensors Annual Revenue by Company (2021-2026)

3.2.1 Global Flap Position Sensors Revenue by Company (2021-2026)

3.2.2 Global Flap Position Sensors Revenue Market Share by Company (2021-2026)

3.3 Global Flap Position Sensors Sale Price by Company

3.4 Key Manufacturers Flap Position Sensors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Flap Position Sensors Product Location Distribution

3.4.2 Players Flap Position Sensors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR FLAP POSITION SENSORS BY GEOGRAPHIC REGION

4.1 World Historic Flap Position Sensors Market Size by Geographic Region (2021-2026)

- 4.1.1 Global Flap Position Sensors Annual Sales by Geographic Region (2021-2026)
- 4.1.2 Global Flap Position Sensors Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Flap Position Sensors Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Flap Position Sensors Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Flap Position Sensors Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Flap Position Sensors Sales Growth
- 4.4 APAC Flap Position Sensors Sales Growth
- 4.5 Europe Flap Position Sensors Sales Growth
- 4.6 Middle East & Africa Flap Position Sensors Sales Growth

5 AMERICAS

- 5.1 Americas Flap Position Sensors Sales by Country
 - 5.1.1 Americas Flap Position Sensors Sales by Country (2021-2026)
 - 5.1.2 Americas Flap Position Sensors Revenue by Country (2021-2026)
- 5.2 Americas Flap Position Sensors Sales by Type (2021-2026)
- 5.3 Americas Flap Position Sensors Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Flap Position Sensors Sales by Region
 - 6.1.1 APAC Flap Position Sensors Sales by Region (2021-2026)
 - 6.1.2 APAC Flap Position Sensors Revenue by Region (2021-2026)
- 6.2 APAC Flap Position Sensors Sales by Type (2021-2026)
- 6.3 APAC Flap Position Sensors Sales by Application (2021-2026)
- 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 Flap Position Sensors by Country

7.1.1 Europe Flap Position Sensors Sales by Country (2021-2026)

7.1.2 Europe Flap Position Sensors Revenue by Country (2021-2026)

7.2 Europe Flap Position Sensors Sales by Type (2021-2026)

7.3 Europe Flap Position Sensors Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Flap Position Sensors by Country

8.1.1 Middle East & Africa Flap Position Sensors Sales by Country (2021-2026)

8.1.2 Middle East & Africa Flap Position Sensors Revenue by Country (2021-2026)

8.2 Middle East & Africa Flap Position Sensors Sales by Type (2021-2026)

8.3 Middle East & Africa Flap Position Sensors Sales by Application (2021-2026)

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 Flap Position Sensors

10.3 Manufacturing Process Analysis of Flap Position Sensors

10.4 Industry Chain Structure of Flap Position Sensors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Flap Position Sensors Distributors

11.3 Flap Position Sensors Customer

12 WORLD FORECAST REVIEW FOR FLAP POSITION SENSORS BY GEOGRAPHIC REGION

12.1 Global Flap Position Sensors Market Size Forecast by Region

12.1.1 Global Flap Position Sensors Forecast by Region (2027-2032)

12.1.2 Global Flap Position Sensors Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Flap Position Sensors Forecast by Type (2027-2032)

12.7 Global Flap Position Sensors Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Bosch (Germany)

13.1.1 Bosch (Germany) Company Information

13.1.2 Bosch (Germany) Flap Position Sensors Product Portfolios and Specifications

13.1.3 Bosch (Germany) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Bosch (Germany) Main Business Overview

13.1.5 Bosch (Germany) Latest Developments

13.2 Continental (Germany)

13.2.1 Continental (Germany) Company Information

13.2.2 Continental (Germany) Flap Position Sensors Product Portfolios and Specifications

13.2.3 Continental (Germany) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Continental (Germany) Main Business Overview

13.2.5 Continental (Germany) Latest Developments

13.3 DENSO (Japan)

13.3.1 DENSO (Japan) Company Information

- 13.3.2 DENSO (Japan) Flap Position Sensors Product Portfolios and Specifications
- 13.3.3 DENSO (Japan) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 DENSO (Japan) Main Business Overview
- 13.3.5 DENSO (Japan) Latest Developments
- 13.4 ZF Friedrichshafen (Germany)
 - 13.4.1 ZF Friedrichshafen (Germany) Company Information
 - 13.4.2 ZF Friedrichshafen (Germany) Flap Position Sensors Product Portfolios and Specifications
 - 13.4.3 ZF Friedrichshafen (Germany) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 ZF Friedrichshafen (Germany) Main Business Overview
 - 13.4.5 ZF Friedrichshafen (Germany) Latest Developments
- 13.5 HELLA (Germany)
 - 13.5.1 HELLA (Germany) Company Information
 - 13.5.2 HELLA (Germany) Flap Position Sensors Product Portfolios and Specifications
 - 13.5.3 HELLA (Germany) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 HELLA (Germany) Main Business Overview
 - 13.5.5 HELLA (Germany) Latest Developments
- 13.6 Valeo (France)
 - 13.6.1 Valeo (France) Company Information
 - 13.6.2 Valeo (France) Flap Position Sensors Product Portfolios and Specifications
 - 13.6.3 Valeo (France) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 Valeo (France) Main Business Overview
 - 13.6.5 Valeo (France) Latest Developments
- 13.7 Hitachi Astemo (Japan)
 - 13.7.1 Hitachi Astemo (Japan) Company Information
 - 13.7.2 Hitachi Astemo (Japan) Flap Position Sensors Product Portfolios and Specifications
 - 13.7.3 Hitachi Astemo (Japan) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Hitachi Astemo (Japan) Main Business Overview
 - 13.7.5 Hitachi Astemo (Japan) Latest Developments
- 13.8 Aptiv (Ireland)
 - 13.8.1 Aptiv (Ireland) Company Information
 - 13.8.2 Aptiv (Ireland) Flap Position Sensors Product Portfolios and Specifications
 - 13.8.3 Aptiv (Ireland) Flap Position Sensors Sales, Revenue, Price and Gross Margin

(2021-2026)

13.8.4 Aptiv (Ireland) Main Business Overview

13.8.5 Aptiv (Ireland) Latest Developments

13.9 Ningbo Joyson Electronic (China)

13.9.1 Ningbo Joyson Electronic (China) Company Information

13.9.2 Ningbo Joyson Electronic (China) Flap Position Sensors Product Portfolios and Specifications

13.9.3 Ningbo Joyson Electronic (China) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Ningbo Joyson Electronic (China) Main Business Overview

13.9.5 Ningbo Joyson Electronic (China) Latest Developments

13.10 Desay SV Automotive (China)

13.10.1 Desay SV Automotive (China) Company Information

13.10.2 Desay SV Automotive (China) Flap Position Sensors Product Portfolios and Specifications

13.10.3 Desay SV Automotive (China) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Desay SV Automotive (China) Main Business Overview

13.10.5 Desay SV Automotive (China) Latest Developments

13.11 Hyundai Mobis (South Korea)

13.11.1 Hyundai Mobis (South Korea) Company Information

13.11.2 Hyundai Mobis (South Korea) Flap Position Sensors Product Portfolios and Specifications

13.11.3 Hyundai Mobis (South Korea) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Hyundai Mobis (South Korea) Main Business Overview

13.11.5 Hyundai Mobis (South Korea) Latest Developments

13.12 Marelli (Italy)

13.12.1 Marelli (Italy) Company Information

13.12.2 Marelli (Italy) Flap Position Sensors Product Portfolios and Specifications

13.12.3 Marelli (Italy) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Marelli (Italy) Main Business Overview

13.12.5 Marelli (Italy) Latest Developments

13.13 Sensata (USA)

13.13.1 Sensata (USA) Company Information

13.13.2 Sensata (USA) Flap Position Sensors Product Portfolios and Specifications

13.13.3 Sensata (USA) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.13.4 Sensata (USA) Main Business Overview
- 13.13.5 Sensata (USA) Latest Developments
- 13.14 CTS Corp (USA)
 - 13.14.1 CTS Corp (USA) Company Information
 - 13.14.2 CTS Corp (USA) Flap Position Sensors Product Portfolios and Specifications
 - 13.14.3 CTS Corp (USA) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 CTS Corp (USA) Main Business Overview
 - 13.14.5 CTS Corp (USA) Latest Developments
- 13.15 Tokai Rika (Japan)
 - 13.15.1 Tokai Rika (Japan) Company Information
 - 13.15.2 Tokai Rika (Japan) Flap Position Sensors Product Portfolios and Specifications
 - 13.15.3 Tokai Rika (Japan) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Tokai Rika (Japan) Main Business Overview
 - 13.15.5 Tokai Rika (Japan) Latest Developments
- 13.16 Panasonic Automotive Systems (Japan)
 - 13.16.1 Panasonic Automotive Systems (Japan) Company Information
 - 13.16.2 Panasonic Automotive Systems (Japan) Flap Position Sensors Product Portfolios and Specifications
 - 13.16.3 Panasonic Automotive Systems (Japan) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 Panasonic Automotive Systems (Japan) Main Business Overview
 - 13.16.5 Panasonic Automotive Systems (Japan) Latest Developments
- 13.17 Alps Alpine (Japan)
 - 13.17.1 Alps Alpine (Japan) Company Information
 - 13.17.2 Alps Alpine (Japan) Flap Position Sensors Product Portfolios and Specifications
 - 13.17.3 Alps Alpine (Japan) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.17.4 Alps Alpine (Japan) Main Business Overview
 - 13.17.5 Alps Alpine (Japan) Latest Developments
- 13.18 Novotechnik (Germany)
 - 13.18.1 Novotechnik (Germany) Company Information
 - 13.18.2 Novotechnik (Germany) Flap Position Sensors Product Portfolios and Specifications
 - 13.18.3 Novotechnik (Germany) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.18.4 Novotechnik (Germany) Main Business Overview

13.18.5 Novotechnik (Germany) Latest Developments

13.19 Honeywell (USA)

13.19.1 Honeywell (USA) Company Information

13.19.2 Honeywell (USA) Flap Position Sensors Product Portfolios and Specifications

13.19.3 Honeywell (USA) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Honeywell (USA) Main Business Overview

13.19.5 Honeywell (USA) Latest Developments

13.20 Film Electronics (India)

13.20.1 Film Electronics (India) Company Information

13.20.2 Film Electronics (India) Flap Position Sensors Product Portfolios and Specifications

13.20.3 Film Electronics (India) Flap Position Sensors Sales, Revenue, Price and Gross Margin (2021-2026)

13.20.4 Film Electronics (India) Main Business Overview

13.20.5 Film Electronics (India) Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Flap Position Sensors Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Flap Position Sensors Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Potentiometric Type

Table 4. Major Players of Hall-Effect Type

Table 5. Major Players of Inductive Type

Table 6. Major Players of Magnetoresistive Type

Table 7. Major Players of Optical Type

Table 8. Global Flap Position Sensors Sales by Type (2021-2026) & (K Units)

Table 9. Global Flap Position Sensors Sales Market Share by Type (2021-2026)

Table 10. Global Flap Position Sensors Revenue by Type (2021-2026) & (\$ million)

Table 11. Global Flap Position Sensors Revenue Market Share by Type (2021-2026)

Table 12. Global Flap Position Sensors Sale Price by Type (2021-2026) & (US\$/Unit)

Table 13. Major Players of ?1?3?

Table 14. Major Players of ?0.1?1?

Table 15. Major Players of Below ?0.1?

Table 16. Global Flap Position Sensors Sales by Accuracy Level (2021-2026) & (K Units)

Table 17. Global Flap Position Sensors Sales Market Share by Accuracy Level (2021-2026)

Table 18. Global Flap Position Sensors Revenue by Accuracy Level (2021-2026) & (\$ million)

Table 19. Global Flap Position Sensors Revenue Market Share by Accuracy Level (2021-2026)

Table 20. Global Flap Position Sensors Sale Price by Accuracy Level (2021-2026) & (US\$/Unit)

Table 21. Global Flap Position Sensors Sale by Application (2021-2026) & (K Units)

Table 22. Global Flap Position Sensors Sale Market Share by Application (2021-2026)

Table 23. Global Flap Position Sensors Revenue by Application (2021-2026) & (\$ million)

Table 24. Global Flap Position Sensors Revenue Market Share by Application (2021-2026)

Table 25. Global Flap Position Sensors Sale Price by Application (2021-2026) & (US\$/Unit)

Table 26. Global Flap Position Sensors Sales by Company (2021-2026) & (K Units)

Table 27. Global Flap Position Sensors Sales Market Share by Company (2021-2026)

Table 28. Global Flap Position Sensors Revenue by Company (2021-2026) & (\$ millions)

Table 29. Global Flap Position Sensors Revenue Market Share by Company (2021-2026)

Table 30. Global Flap Position Sensors Sale Price by Company (2021-2026) & (US\$/Unit)

Table 31. Key Manufacturers Flap Position Sensors Producing Area Distribution and Sales Area

Table 32. Players Flap Position Sensors Products Offered

Table 33. Flap Position Sensors Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 34. New Products and Potential Entrants

Table 35. Market M&A Activity & Strategy

Table 36. Global Flap Position Sensors Sales by Geographic Region (2021-2026) & (K Units)

Table 37. Global Flap Position Sensors Sales Market Share Geographic Region (2021-2026)

Table 38. Global Flap Position Sensors Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 39. Global Flap Position Sensors Revenue Market Share by Geographic Region (2021-2026)

Table 40. Global Flap Position Sensors Sales by Country/Region (2021-2026) & (K Units)

Table 41. Global Flap Position Sensors Sales Market Share by Country/Region (2021-2026)

Table 42. Global Flap Position Sensors Revenue by Country/Region (2021-2026) & (\$ millions)

Table 43. Global Flap Position Sensors Revenue Market Share by Country/Region (2021-2026)

Table 44. Americas Flap Position Sensors Sales by Country (2021-2026) & (K Units)

Table 45. Americas Flap Position Sensors Sales Market Share by Country (2021-2026)

Table 46. Americas Flap Position Sensors Revenue by Country (2021-2026) & (\$ millions)

Table 47. Americas Flap Position Sensors Sales by Type (2021-2026) & (K Units)

Table 48. Americas Flap Position Sensors Sales by Application (2021-2026) & (K Units)

Table 49. APAC Flap Position Sensors Sales by Region (2021-2026) & (K Units)

Table 50. APAC Flap Position Sensors Sales Market Share by Region (2021-2026)

Table 51. APAC Flap Position Sensors Revenue by Region (2021-2026) & (\$ millions)
Table 52. APAC Flap Position Sensors Sales by Type (2021-2026) & (K Units)
Table 53. APAC Flap Position Sensors Sales by Application (2021-2026) & (K Units)
Table 54. Europe Flap Position Sensors Sales by Country (2021-2026) & (K Units)
Table 55. Europe Flap Position Sensors Revenue by Country (2021-2026) & (\$ millions)
Table 56. Europe Flap Position Sensors Sales by Type (2021-2026) & (K Units)
Table 57. Europe Flap Position Sensors Sales by Application (2021-2026) & (K Units)
Table 58. Middle East & Africa Flap Position Sensors Sales by Country (2021-2026) & (K Units)
Table 59. Middle East & Africa Flap Position Sensors Revenue Market Share by Country (2021-2026)
Table 60. Middle East & Africa Flap Position Sensors Sales by Type (2021-2026) & (K Units)
Table 61. Middle East & Africa Flap Position Sensors Sales by Application (2021-2026) & (K Units)
Table 62. Key Market Drivers & Growth Opportunities of Flap Position Sensors
Table 63. Key Market Challenges & Risks of Flap Position Sensors
Table 64. Key Industry Trends of Flap Position Sensors
Table 65. Flap Position Sensors Raw Material
Table 66. Key Suppliers of Raw Materials
Table 67. Flap Position Sensors Distributors List
Table 68. Flap Position Sensors Customer List
Table 69. Global Flap Position Sensors Sales Forecast by Region (2027-2032) & (K Units)
Table 70. Global Flap Position Sensors Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 71. Americas Flap Position Sensors Sales Forecast by Country (2027-2032) & (K Units)
Table 72. Americas Flap Position Sensors Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 73. APAC Flap Position Sensors Sales Forecast by Region (2027-2032) & (K Units)
Table 74. APAC Flap Position Sensors Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 75. Europe Flap Position Sensors Sales Forecast by Country (2027-2032) & (K Units)
Table 76. Europe Flap Position Sensors Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 77. Middle East & Africa Flap Position Sensors Sales Forecast by Country

(2027-2032) & (K Units)

Table 78. Middle East & Africa Flap Position Sensors Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 79. Global Flap Position Sensors Sales Forecast by Type (2027-2032) & (K Units)

Table 80. Global Flap Position Sensors Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 81. Global Flap Position Sensors Sales Forecast by Application (2027-2032) & (K Units)

Table 82. Global Flap Position Sensors Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 83. Bosch (Germany) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 84. Bosch (Germany) Flap Position Sensors Product Portfolios and Specifications

Table 85. Bosch (Germany) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 86. Bosch (Germany) Main Business

Table 87. Bosch (Germany) Latest Developments

Table 88. Continental (Germany) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 89. Continental (Germany) Flap Position Sensors Product Portfolios and Specifications

Table 90. Continental (Germany) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 91. Continental (Germany) Main Business

Table 92. Continental (Germany) Latest Developments

Table 93. DENSO (Japan) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 94. DENSO (Japan) Flap Position Sensors Product Portfolios and Specifications

Table 95. DENSO (Japan) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 96. DENSO (Japan) Main Business

Table 97. DENSO (Japan) Latest Developments

Table 98. ZF Friedrichshafen (Germany) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 99. ZF Friedrichshafen (Germany) Flap Position Sensors Product Portfolios and Specifications

Table 100. ZF Friedrichshafen (Germany) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 101. ZF Friedrichshafen (Germany) Main Business

Table 102. ZF Friedrichshafen (Germany) Latest Developments
Table 103. HELLA (Germany) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors
Table 104. HELLA (Germany) Flap Position Sensors Product Portfolios and Specifications
Table 105. HELLA (Germany) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 106. HELLA (Germany) Main Business
Table 107. HELLA (Germany) Latest Developments
Table 108. Valeo (France) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors
Table 109. Valeo (France) Flap Position Sensors Product Portfolios and Specifications
Table 110. Valeo (France) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 111. Valeo (France) Main Business
Table 112. Valeo (France) Latest Developments
Table 113. Hitachi Astemo (Japan) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors
Table 114. Hitachi Astemo (Japan) Flap Position Sensors Product Portfolios and Specifications
Table 115. Hitachi Astemo (Japan) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 116. Hitachi Astemo (Japan) Main Business
Table 117. Hitachi Astemo (Japan) Latest Developments
Table 118. Aptiv (Ireland) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors
Table 119. Aptiv (Ireland) Flap Position Sensors Product Portfolios and Specifications
Table 120. Aptiv (Ireland) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 121. Aptiv (Ireland) Main Business
Table 122. Aptiv (Ireland) Latest Developments
Table 123. Ningbo Joyson Electronic (China) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors
Table 124. Ningbo Joyson Electronic (China) Flap Position Sensors Product Portfolios and Specifications
Table 125. Ningbo Joyson Electronic (China) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 126. Ningbo Joyson Electronic (China) Main Business
Table 127. Ningbo Joyson Electronic (China) Latest Developments

Table 128. Desay SV Automotive (China) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 129. Desay SV Automotive (China) Flap Position Sensors Product Portfolios and Specifications

Table 130. Desay SV Automotive (China) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 131. Desay SV Automotive (China) Main Business

Table 132. Desay SV Automotive (China) Latest Developments

Table 133. Hyundai Mobis (South Korea) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 134. Hyundai Mobis (South Korea) Flap Position Sensors Product Portfolios and Specifications

Table 135. Hyundai Mobis (South Korea) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 136. Hyundai Mobis (South Korea) Main Business

Table 137. Hyundai Mobis (South Korea) Latest Developments

Table 138. Marelli (Italy) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 139. Marelli (Italy) Flap Position Sensors Product Portfolios and Specifications

Table 140. Marelli (Italy) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 141. Marelli (Italy) Main Business

Table 142. Marelli (Italy) Latest Developments

Table 143. Sensata (USA) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 144. Sensata (USA) Flap Position Sensors Product Portfolios and Specifications

Table 145. Sensata (USA) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 146. Sensata (USA) Main Business

Table 147. Sensata (USA) Latest Developments

Table 148. CTS Corp (USA) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 149. CTS Corp (USA) Flap Position Sensors Product Portfolios and Specifications

Table 150. CTS Corp (USA) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 151. CTS Corp (USA) Main Business

Table 152. CTS Corp (USA) Latest Developments

Table 153. Tokai Rika (Japan) Basic Information, Flap Position Sensors Manufacturing

Base, Sales Area and Its Competitors

Table 154. Tokai Rika (Japan) Flap Position Sensors Product Portfolios and Specifications

Table 155. Tokai Rika (Japan) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 156. Tokai Rika (Japan) Main Business

Table 157. Tokai Rika (Japan) Latest Developments

Table 158. Panasonic Automotive Systems (Japan) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 159. Panasonic Automotive Systems (Japan) Flap Position Sensors Product Portfolios and Specifications

Table 160. Panasonic Automotive Systems (Japan) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 161. Panasonic Automotive Systems (Japan) Main Business

Table 162. Panasonic Automotive Systems (Japan) Latest Developments

Table 163. Alps Alpine (Japan) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 164. Alps Alpine (Japan) Flap Position Sensors Product Portfolios and Specifications

Table 165. Alps Alpine (Japan) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 166. Alps Alpine (Japan) Main Business

Table 167. Alps Alpine (Japan) Latest Developments

Table 168. Novotechnik (Germany) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 169. Novotechnik (Germany) Flap Position Sensors Product Portfolios and Specifications

Table 170. Novotechnik (Germany) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 171. Novotechnik (Germany) Main Business

Table 172. Novotechnik (Germany) Latest Developments

Table 173. Honeywell (USA) Basic Information, Flap Position Sensors Manufacturing Base, Sales Area and Its Competitors

Table 174. Honeywell (USA) Flap Position Sensors Product Portfolios and Specifications

Table 175. Honeywell (USA) Flap Position Sensors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 176. Honeywell (USA) Main Business

Table 177. Honeywell (USA) Latest Developments

Table 178. Film Electronics (India) Basic Information, Flap Position Sensors
Manufacturing Base, Sales Area and Its Competitors

Table 179. Film Electronics (India) Flap Position Sensors Product Portfolios and
Specifications

Table 180. Film Electronics (India) Flap Position Sensors Sales (K Units), Revenue (\$
Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 181. Film Electronics (India) Main Business

Table 182. Film Electronics (India) Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Flap Position Sensors
- Figure 2. Flap Position Sensors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Flap Position Sensors Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Flap Position Sensors Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Flap Position Sensors Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Flap Position Sensors Sales Market Share by Country/Region (2025)
- Figure 10. Flap Position Sensors Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Potentiometric Type
- Figure 12. Product Picture of Hall-Effect Type
- Figure 13. Product Picture of Inductive Type
- Figure 14. Product Picture of Magnetoresistive Type
- Figure 15. Product Picture of Optical Type
- Figure 16. Global Flap Position Sensors Sales Market Share by Type in 2026
- Figure 17. Global Flap Position Sensors Revenue Market Share by Type (2021-2026)
- Figure 18. Product Picture of ?1?3?
- Figure 19. Product Picture of ?0.1?1?
- Figure 20. Product Picture of Below ?0.1?
- Figure 21. Global Flap Position Sensors Sales Market Share by Accuracy Level in 2026
- Figure 22. Global Flap Position Sensors Revenue Market Share by Accuracy Level (2021-2026)
- Figure 23. Flap Position Sensors Consumed in Automotive
- Figure 24. Global Flap Position Sensors Market: Automotive (2021-2026) & (K Units)
- Figure 25. Flap Position Sensors Consumed in Aerospace
- Figure 26. Global Flap Position Sensors Market: Aerospace (2021-2026) & (K Units)
- Figure 27. Flap Position Sensors Consumed in Industrial
- Figure 28. Global Flap Position Sensors Market: Industrial (2021-2026) & (K Units)
- Figure 29. Flap Position Sensors Consumed in HVAC Systems
- Figure 30. Global Flap Position Sensors Market: HVAC Systems (2021-2026) & (K Units)
- Figure 31. Flap Position Sensors Consumed in Others

- Figure 32. Global Flap Position Sensors Market: Others (2021-2026) & (K Units)
- Figure 33. Global Flap Position Sensors Sale Market Share by Application (2025)
- Figure 34. Global Flap Position Sensors Revenue Market Share by Application in 2025
- Figure 35. Flap Position Sensors Sales by Company in 2025 (K Units)
- Figure 36. Global Flap Position Sensors Sales Market Share by Company in 2025
- Figure 37. Flap Position Sensors Revenue by Company in 2025 (\$ millions)
- Figure 38. Global Flap Position Sensors Revenue Market Share by Company in 2025
- Figure 39. Global Flap Position Sensors Sales Market Share by Geographic Region (2021-2026)
- Figure 40. Global Flap Position Sensors Revenue Market Share by Geographic Region in 2025
- Figure 41. Americas Flap Position Sensors Sales 2021-2026 (K Units)
- Figure 42. Americas Flap Position Sensors Revenue 2021-2026 (\$ millions)
- Figure 43. APAC Flap Position Sensors Sales 2021-2026 (K Units)
- Figure 44. APAC Flap Position Sensors Revenue 2021-2026 (\$ millions)
- Figure 45. Europe Flap Position Sensors Sales 2021-2026 (K Units)
- Figure 46. Europe Flap Position Sensors Revenue 2021-2026 (\$ millions)
- Figure 47. Middle East & Africa Flap Position Sensors Sales 2021-2026 (K Units)
- Figure 48. Middle East & Africa Flap Position Sensors Revenue 2021-2026 (\$ millions)
- Figure 49. Americas Flap Position Sensors Sales Market Share by Country in 2025
- Figure 50. Americas Flap Position Sensors Revenue Market Share by Country (2021-2026)
- Figure 51. Americas Flap Position Sensors Sales Market Share by Type (2021-2026)
- Figure 52. Americas Flap Position Sensors Sales Market Share by Application (2021-2026)
- Figure 53. United States Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 54. Canada Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 55. Mexico Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 56. Brazil Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 57. APAC Flap Position Sensors Sales Market Share by Region in 2025
- Figure 58. APAC Flap Position Sensors Revenue Market Share by Region (2021-2026)
- Figure 59. APAC Flap Position Sensors Sales Market Share by Type (2021-2026)
- Figure 60. APAC Flap Position Sensors Sales Market Share by Application (2021-2026)
- Figure 61. China Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 62. Japan Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 63. South Korea Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 64. Southeast Asia Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 65. India Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)

- Figure 66. Australia Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 67. China Taiwan Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 68. Europe Flap Position Sensors Sales Market Share by Country in 2025
- Figure 69. Europe Flap Position Sensors Revenue Market Share by Country (2021-2026)
- Figure 70. Europe Flap Position Sensors Sales Market Share by Type (2021-2026)
- Figure 71. Europe Flap Position Sensors Sales Market Share by Application (2021-2026)
- Figure 72. Germany Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 73. France Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 74. UK Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 75. Italy Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 76. Russia Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 77. Middle East & Africa Flap Position Sensors Sales Market Share by Country (2021-2026)
- Figure 78. Middle East & Africa Flap Position Sensors Sales Market Share by Type (2021-2026)
- Figure 79. Middle East & Africa Flap Position Sensors Sales Market Share by Application (2021-2026)
- Figure 80. Egypt Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 81. South Africa Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 82. Israel Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 83. Turkey Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 84. GCC Countries Flap Position Sensors Revenue Growth 2021-2026 (\$ millions)
- Figure 85. Manufacturing Cost Structure Analysis of Flap Position Sensors in 2026
- Figure 86. Manufacturing Process Analysis of Flap Position Sensors
- Figure 87. Industry Chain Structure of Flap Position Sensors
- Figure 88. Channels of Distribution
- Figure 89. Global Flap Position Sensors Sales Market Forecast by Region (2027-2032)
- Figure 90. Global Flap Position Sensors Revenue Market Share Forecast by Region (2027-2032)
- Figure 91. Global Flap Position Sensors Sales Market Share Forecast by Type (2027-2032)
- Figure 92. Global Flap Position Sensors Revenue Market Share Forecast by Type (2027-2032)
- Figure 93. Global Flap Position Sensors Sales Market Share Forecast by Application (2027-2032)
- Figure 94. Global Flap Position Sensors Revenue Market Share Forecast by Application

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