

Global Acoustic Wave Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G45636449ACEN.html>

Date: May 2024

Pages: 138

Price: US\$ 3,480.00 (Single User License)

ID: G45636449ACEN

Abstracts

According to our (Global Info Research) latest study, the global Acoustic Wave Sensor market size was valued at USD 467.2 million in 2023 and is forecast to a readjusted size of USD 695 million by 2030 with a CAGR of 5.8% during review period.

Acoustic Wave Sensors are a class of microelectromechanical systems (MEMS) which rely on the modulation of surface acoustic waves to sense a physical phenomenon. The sensor transduces an input electrical signal into a mechanical wave which, unlike an electrical signal, can be easily influenced by physical phenomena. The device then transduces this wave back into an electrical signal. Changes in amplitude, phase, frequency, or time-delay between the input and output electrical signals can be used to measure the presence of the desired phenomenon.

The industrial vertical held the largest share of the acoustic wave sensor market in 2017 as it involves the largest use of sensors. The automotive vertical held the second-largest market share in 2017. This dominance is attributed to the use of acoustic wave sensors for the security and surveillance applications in these verticals. For instance, pressure sensors are built into tires of cars to wirelessly transmit the pressure data to the driver of the vehicle. This helps prevent accidents caused by tire burst by warning the driver about low tire pressure.

The Global Info Research report includes an overview of the development of the Acoustic Wave Sensor industry chain, the market status of Automotive (Surface Acoustic Wave(SAW) Sensor, Bulk Acoustic Wave(BAW) Sensor), Industrial (Surface Acoustic Wave(SAW) Sensor, Bulk Acoustic Wave(BAW) Sensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent,

hot applications and market trends of Acoustic Wave Sensor.

Regionally, the report analyzes the Acoustic Wave Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Acoustic Wave Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Acoustic Wave Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Acoustic Wave Sensor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Surface Acoustic Wave(SAW) Sensor, Bulk Acoustic Wave(BAW) Sensor).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Acoustic Wave Sensor market.

Regional Analysis: The report involves examining the Acoustic Wave Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Acoustic Wave Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Acoustic Wave Sensor:

Company Analysis: Report covers individual Acoustic Wave Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Acoustic Wave Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Industrial).

Technology Analysis: Report covers specific technologies relevant to Acoustic Wave Sensor. It assesses the current state, advancements, and potential future developments in Acoustic Wave Sensor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Acoustic Wave Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Acoustic Wave Sensor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Surface Acoustic Wave(SAW) Sensor

Bulk Acoustic Wave(BAW) Sensor

Market segment by Application

Automotive

Industrial

Military

Food and Beverages

Healthcare

Environmental

Others

Major players covered

Althen GmbH Mess- Und Sensortechnik

Nanotemper Technologies

H. Heinz Mebwiderstande

Transense Technologies

Pro-Micron

Vectron

Qualtre

Senseor Sas

Sensor Technology

Hawk Measurement Systems

Abracon

Boston Piezo-Optics

Stmicroelectronics

Precision Acoustics

Sensanna Incorporated

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Acoustic Wave Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Acoustic Wave Sensor, with price, sales, revenue and global market share of Acoustic Wave Sensor from 2019 to 2024.

Chapter 3, the Acoustic Wave Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Acoustic Wave Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Acoustic Wave Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Acoustic Wave Sensor.

Chapter 14 and 15, to describe Acoustic Wave Sensor sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Acoustic Wave Sensor
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Acoustic Wave Sensor Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Surface Acoustic Wave(SAW) Sensor
 - 1.3.3 Bulk Acoustic Wave(BAW) Sensor
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Acoustic Wave Sensor Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Automotive
 - 1.4.3 Industrial
 - 1.4.4 Military
 - 1.4.5 Food and Beverages
 - 1.4.6 Healthcare
 - 1.4.7 Environmental
 - 1.4.8 Others
- 1.5 Global Acoustic Wave Sensor Market Size & Forecast
 - 1.5.1 Global Acoustic Wave Sensor Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Acoustic Wave Sensor Sales Quantity (2019-2030)
 - 1.5.3 Global Acoustic Wave Sensor Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Althen GmbH Mess- Und Sensortechnik
 - 2.1.1 Althen GmbH Mess- Und Sensortechnik Details
 - 2.1.2 Althen GmbH Mess- Und Sensortechnik Major Business
 - 2.1.3 Althen GmbH Mess- Und Sensortechnik Acoustic Wave Sensor Product and Services
 - 2.1.4 Althen GmbH Mess- Und Sensortechnik Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Althen GmbH Mess- Und Sensortechnik Recent Developments/Updates
- 2.2 Nanotemper Technologies
 - 2.2.1 Nanotemper Technologies Details
 - 2.2.2 Nanotemper Technologies Major Business

- 2.2.3 Nanotemper Technologies Acoustic Wave Sensor Product and Services
- 2.2.4 Nanotemper Technologies Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Nanotemper Technologies Recent Developments/Updates
- 2.3 H. Heinz Mebwiderstande
 - 2.3.1 H. Heinz Mebwiderstande Details
 - 2.3.2 H. Heinz Mebwiderstande Major Business
 - 2.3.3 H. Heinz Mebwiderstande Acoustic Wave Sensor Product and Services
 - 2.3.4 H. Heinz Mebwiderstande Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 H. Heinz Mebwiderstande Recent Developments/Updates
- 2.4 Transense Technologies
 - 2.4.1 Transense Technologies Details
 - 2.4.2 Transense Technologies Major Business
 - 2.4.3 Transense Technologies Acoustic Wave Sensor Product and Services
 - 2.4.4 Transense Technologies Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 Transense Technologies Recent Developments/Updates
- 2.5 Pro-Micron
 - 2.5.1 Pro-Micron Details
 - 2.5.2 Pro-Micron Major Business
 - 2.5.3 Pro-Micron Acoustic Wave Sensor Product and Services
 - 2.5.4 Pro-Micron Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Pro-Micron Recent Developments/Updates
- 2.6 Vectron
 - 2.6.1 Vectron Details
 - 2.6.2 Vectron Major Business
 - 2.6.3 Vectron Acoustic Wave Sensor Product and Services
 - 2.6.4 Vectron Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Vectron Recent Developments/Updates
- 2.7 Qualtre
 - 2.7.1 Qualtre Details
 - 2.7.2 Qualtre Major Business
 - 2.7.3 Qualtre Acoustic Wave Sensor Product and Services
 - 2.7.4 Qualtre Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Qualtre Recent Developments/Updates

2.8 Sensor Sas

2.8.1 Sensor Sas Details

2.8.2 Sensor Sas Major Business

2.8.3 Sensor Sas Acoustic Wave Sensor Product and Services

2.8.4 Sensor Sas Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Sensor Sas Recent Developments/Updates

2.9 Sensor Technology

2.9.1 Sensor Technology Details

2.9.2 Sensor Technology Major Business

2.9.3 Sensor Technology Acoustic Wave Sensor Product and Services

2.9.4 Sensor Technology Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Sensor Technology Recent Developments/Updates

2.10 Hawk Measurement Systems

2.10.1 Hawk Measurement Systems Details

2.10.2 Hawk Measurement Systems Major Business

2.10.3 Hawk Measurement Systems Acoustic Wave Sensor Product and Services

2.10.4 Hawk Measurement Systems Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Hawk Measurement Systems Recent Developments/Updates

2.11 Abracon

2.11.1 Abracon Details

2.11.2 Abracon Major Business

2.11.3 Abracon Acoustic Wave Sensor Product and Services

2.11.4 Abracon Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Abracon Recent Developments/Updates

2.12 Boston Piezo-Optics

2.12.1 Boston Piezo-Optics Details

2.12.2 Boston Piezo-Optics Major Business

2.12.3 Boston Piezo-Optics Acoustic Wave Sensor Product and Services

2.12.4 Boston Piezo-Optics Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.12.5 Boston Piezo-Optics Recent Developments/Updates

2.13 Stmicroelectronics

2.13.1 Stmicroelectronics Details

2.13.2 Stmicroelectronics Major Business

2.13.3 Stmicroelectronics Acoustic Wave Sensor Product and Services

2.13.4 Stmicroelectronics Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Stmicroelectronics Recent Developments/Updates

2.14 Precision Acoustics

2.14.1 Precision Acoustics Details

2.14.2 Precision Acoustics Major Business

2.14.3 Precision Acoustics Acoustic Wave Sensor Product and Services

2.14.4 Precision Acoustics Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 Precision Acoustics Recent Developments/Updates

2.15 Sensanna Incorporated

2.15.1 Sensanna Incorporated Details

2.15.2 Sensanna Incorporated Major Business

2.15.3 Sensanna Incorporated Acoustic Wave Sensor Product and Services

2.15.4 Sensanna Incorporated Acoustic Wave Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 Sensanna Incorporated Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ACOUSTIC WAVE SENSOR BY MANUFACTURER

3.1 Global Acoustic Wave Sensor Sales Quantity by Manufacturer (2019-2024)

3.2 Global Acoustic Wave Sensor Revenue by Manufacturer (2019-2024)

3.3 Global Acoustic Wave Sensor Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Acoustic Wave Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Acoustic Wave Sensor Manufacturer Market Share in 2023

3.4.2 Top 6 Acoustic Wave Sensor Manufacturer Market Share in 2023

3.5 Acoustic Wave Sensor Market: Overall Company Footprint Analysis

3.5.1 Acoustic Wave Sensor Market: Region Footprint

3.5.2 Acoustic Wave Sensor Market: Company Product Type Footprint

3.5.3 Acoustic Wave Sensor Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Acoustic Wave Sensor Market Size by Region

- 4.1.1 Global Acoustic Wave Sensor Sales Quantity by Region (2019-2030)
- 4.1.2 Global Acoustic Wave Sensor Consumption Value by Region (2019-2030)
- 4.1.3 Global Acoustic Wave Sensor Average Price by Region (2019-2030)
- 4.2 North America Acoustic Wave Sensor Consumption Value (2019-2030)
- 4.3 Europe Acoustic Wave Sensor Consumption Value (2019-2030)
- 4.4 Asia-Pacific Acoustic Wave Sensor Consumption Value (2019-2030)
- 4.5 South America Acoustic Wave Sensor Consumption Value (2019-2030)
- 4.6 Middle East and Africa Acoustic Wave Sensor Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 5.2 Global Acoustic Wave Sensor Consumption Value by Type (2019-2030)
- 5.3 Global Acoustic Wave Sensor Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 6.2 Global Acoustic Wave Sensor Consumption Value by Application (2019-2030)
- 6.3 Global Acoustic Wave Sensor Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 7.2 North America Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 7.3 North America Acoustic Wave Sensor Market Size by Country
 - 7.3.1 North America Acoustic Wave Sensor Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Acoustic Wave Sensor Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 8.2 Europe Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 8.3 Europe Acoustic Wave Sensor Market Size by Country
 - 8.3.1 Europe Acoustic Wave Sensor Sales Quantity by Country (2019-2030)

- 8.3.2 Europe Acoustic Wave Sensor Consumption Value by Country (2019-2030)
- 8.3.3 Germany Market Size and Forecast (2019-2030)
- 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Acoustic Wave Sensor Market Size by Region
 - 9.3.1 Asia-Pacific Acoustic Wave Sensor Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Acoustic Wave Sensor Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 10.2 South America Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 10.3 South America Acoustic Wave Sensor Market Size by Country
 - 10.3.1 South America Acoustic Wave Sensor Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Acoustic Wave Sensor Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Acoustic Wave Sensor Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Acoustic Wave Sensor Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Acoustic Wave Sensor Market Size by Country
 - 11.3.1 Middle East & Africa Acoustic Wave Sensor Sales Quantity by Country

(2019-2030)

11.3.2 Middle East & Africa Acoustic Wave Sensor Consumption Value by Country

(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Acoustic Wave Sensor Market Drivers

12.2 Acoustic Wave Sensor Market Restraints

12.3 Acoustic Wave Sensor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Acoustic Wave Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Acoustic Wave Sensor

13.3 Acoustic Wave Sensor Production Process

13.4 Acoustic Wave Sensor Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Acoustic Wave Sensor Typical Distributors

14.3 Acoustic Wave Sensor Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

I would like to order

Product name: Global Acoustic Wave Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G45636449ACEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G45636449ACEN.html>

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

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

****All fields are required**

Customer signature _____

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

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

