

Global Acoustic Wave Sensor (SAW And BAW) Market - Forecast, Trend & Analysis - Segmentation By Sensing Parameters [Pressure, Temperature, Mass, Torque, Humidity, Chemical, Touch, Others], Applications And Geography (2013-2018)

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Abstracts

Acoustic wave sensors are expected to show good growth across different application segments due to their competitive advantages over the other technologies. As of now, temperature, pressure, torque, and viscosity sensors are the only ones to have reached complete commercialization but we predict a healthy growth of the other sensors as well in future as more applications of acoustic wave sensors get realized in the years to come. Acoustic wave temperature and pressure sensors are increasingly used in automotive and industrial applications with some applications of torque sensors as well.

Due to lesser response time, passive nature, and wireless operation, acoustic wave sensors are gradually replacing conventional sensors for a variety of applications such as industrial, automotives, consumer electronics, military and aerospace, and healthcare segments. There has been a growth in the automotive industry that uses sensors to a greater extent from applications such as TPMS (Tyre Pressure Monitoring System), engine management, emission control to monitoring of air volume, torque sensing, exhaust gas pressure of EGR system. Adoption of acoustic wave sensors in many application segments will add on to their consumption in the future. Safety related mandates in regions like North America and Europe are driving the growth of sensors in automotive industry.

Technological advancement is opening new doors for the growth of acoustic wave sensors especially in automotive and medical applications. Penetration of MEMS technology in acoustic wave sensing in future is expected to play a major role in the

overall market in the years to come.

The market size of acoustic wave sensors in the year 2012 was \$256.0 million and is expected to reach \$721.13 million units by 2018, at an estimated CAGR of 20.2%. In terms of volume, the unit shipment for acoustic wave sensors was 848.81 million units in the year 2012 and is expected to reach 2,985.40 million units by 2018, at an estimated CAGR of 24.8% from 2013 to 2018.

Scope of the Report

This research report categorizes the global acoustic wave sensor market on the basis of different parameters sensed using these sensors, the applications for which the sensors are used and geographical analysis; forecasting revenue and analyzing trends in the acoustic wave sensor market.

On the basis of sensing parameter

In this section, acoustic wave sensor market is divided on the basis of sensing parameter into temperature, pressure, mass, torque, humidity, viscosity, chemical vapour, and others.

On the basis of applications

In this section, acoustic wave sensor market is divided on the basis of applications for which the sensors are used. Automotives, military and aerospace, consumer electronics, healthcare, industrial and others are the prominent segments that consume acoustic wave sensors.

On the basis of geography

North America, Europe, Asia-Pacific and ROW are covered in the report.

North America is subdivided into U.S., Canada and Mexico.

Europe is further divided into UK, Germany, France, Italy and others.

Asia-Pacific is subdivided into China, Japan, India and others.

ROW is segmented into Russia, Middle East, and Brazil.

Each section will provide market data, market drivers, trends and opportunities, key players, and competitive outlook. This report will also provide market tables for covering the sub-segments and micro-markets. In addition, it provides 20 company profiles covering the sub-segments such as “Overview”, “Products & Services”, “Financials”, “Strategy”, and “Developments”.

Contents

1 INTRODUCTION

- 1.1 KEY TAKE-AWAYS
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
 - 1.5.1 FORECASTING APPROACH OF ACOUSTIC WAVE SENSOR MARKET
 - 1.5.2 KEY DATA POINTS FROM SECONDARY SOURCES
 - 1.5.3 KEY DATA POINTS FROM PRIMARY SOURCES
 - 1.5.4 ASSUMPTIONS MADE FOR THIS REPORT
 - 1.5.5 COMPANIES COVERED IN THIS REPORT

2 EXECUTIVE SUMMARY

3 MARKET OVERVIEW

- 3.1 EVOLUTION OF ACOUSTIC WAVE SENSORS
- 3.2 BASICS, STRUCTURE AND CHARACTERISTICS OF AN ACOUSTIC WAVE SENSOR
- 3.3 EMERGING TECHNOLOGIES AND APPLICATIONS
- 3.4 MARKET SEGMENTATION
- 3.5 MARKET DYNAMICS
 - 3.5.1 DRIVERS
 - 3.5.1.1 Wireless & passive in nature
 - 3.5.1.2 Growth of automotive industry
 - 3.5.1.3 Low manufacturing cost
 - 3.5.2 RESTRAINTS
 - 3.5.2.1 Saw sensors can be replaced by other sensors for conventional applications
 - 3.5.3 OPPORTUNITIES
 - 3.5.3.1 Wireless connectivity advancements in information technology and telecom sectors
 - 3.5.3.2 Growing nanotechnology applications
- 3.6 WINNING IMPERATIVES
 - 3.6.1 MINIATURISATION
- 3.7 BURNING ISSUES
 - 3.7.1 STABILITY (TECHNOLOGY DYNAMICS)

3.8 VALUE CHAIN ANALYSIS

3.9 PORTER'S FIVE FORCES ANALYSIS

3.9.1 THREAT OF NEW ENTRANTS

3.9.2 THREAT OF SUBSTITUTES

3.9.3 BARGAINING POWER OF SUPPLIERS

3.9.4 BARGAINING POWER OF CUSTOMERS

3.9.5 INTENSITY OF RIVALRY

4 ACOUSTIC WAVE SENSOR MARKET, BY TECHNOLOGY

4.1 INTRODUCTION

5 ACOUSTIC WAVE SENSOR MARKET, BY SENSING PARAMETER

5.1 INTRODUCTION

5.2 TEMPERATURE SENSING

5.2.1 HIGH MARKET PENETRATION IN EUROPE

5.2.2 HIGH POTENTIAL IN INDUSTRIAL APPLICATIONS

5.3 PRESSURE SENSING

5.3.1 HIGH GROWTH IN APAC REGION

5.3.2 AUTOMOTIVE APPLICATIONS GROSSED THE HIGHEST REVENUE

5.4 MASS SENSING

5.4.1 EUROPE COVERS AROUND 45% OF THE TOTAL MARKET

5.4.2 SIGNIFICANT POTENTIAL IN INDUSTRIAL APPLICATIONS

5.5 TORQUE SENSING

5.5.1 BOOSTED BY GROWTH IN AUTOMOTIVE MARKET

5.5.2 INDUSTRIAL APPLICATIONS ACCOUNTED FOR SECOND LARGEST MARKET

5.6 HUMIDITY SENSING

5.6.1 EUROPE OCCUPIED THE LARGEST MARKET SHARE

5.6.2 INDUSTRIAL APPLICATIONS ACCOUNTED FOR THE LARGEST MARKET SHARE

5.7 VISCOSITY SENSING

5.7.1 APAC WILL GROW BY HIGHEST CAGR

5.7.2 INDUSTRIAL APPLICATIONS COMMANDED THE LARGEST SHARE

5.8 CHEMICAL VAPOR SENSING

5.8.1 APAC ACCOUNTS FOR ALMOST 34% OF THE TOTAL MARKET SHARE

5.8.2 MILITARY AND AEROSPACE HAS THE HIGHEST CAGR OF CHEMICAL VAPOUR SENSOR

5.9 OTHER PARAMETER SENSING (BIOSENSORS, TOUCH SENSOR, LEVEL SENSOR, AND FLOW SENSOR)

5.9.1 EUROPE AND NORTH AMERICA TOGETHER COVER ALMOST 75% OF THE TOTAL MARKET

5.9.2 AUTOMOTIVE APPLICATIONS COMMANDED THE LARGEST SHARE

6 ACOUSTIC WAVE SENSOR MARKET, BY APPLICATIONS

6.1 INTRODUCTION

6.2 ACOUSTIC WAVE SENSOR MARKET FOR AUTOMOTIVE APPLICATIONS

6.2.1 POTENTIAL APPLICATIONS ARE COMBUSTION CONTROL AND MONITORING AND TIRE PRESSURE MONITORING

6.2.2 TEMPERATURE AND PRESSURE SENSORS TOGETHER OCCUPY ALMOST 72% OF THE TOTAL AW SENSOR MARKET FOR AUTOMOTIVE APPLICATIONS

6.3 ACOUSTIC WAVE SENSOR MARKET FOR MILITARY AND AEROSPACE APPLICATIONS

6.3.1 NORTH AMERICA HOLDS LARGEST MARKET (46%) SHARE

6.3.2 TEMPERATURE SENSORS OCCUPY ALMOST 43% OF THE MILITARY AND AEROSPACE APPLICATION MARKET

6.4 ACOUSTIC WAVE SENSOR MARKET FOR CONSUMER ELECTRONICS APPLICATIONS

6.4.1 EUROPE COMMANDED THE LARGEST SHARE IN 2012

6.4.2 TEMPERATURE SENSORS OCCUPY AROUND 50% OF THE OVERALL MARKET

6.5 ACOUSTIC WAVE SENSOR MARKET FOR HEALTHCARE APPLICATIONS

6.5.1 DEVELOPMENT OF WIRELESS HEALTHCARE TECHNOLOGY IS ACTING AS A DRIVER

6.5.2 TEMPERATURE AND PRESSURE SENSORS TOGETHER OCCUPY ALMOST 70% OF THE MARKET FOR HEALTHCARE APPLICATIONS

6.6 ACOUSTIC WAVE SENSOR MARKET FOR INDUSTRIAL APPLICATIONS

6.6.1 HIGH ANTICIPATED GROWTH OF THE INDUSTRIES IN CHINA IS ACTING AS A DRIVER

6.6.2 INDUSTRIAL APPLICATIONS HAS THE HIGHEST POTENTIAL OF ACOUSTIC WAVE SENSOR

6.7 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS

6.7.1 EUROPE AND NORTH AMERICA TOGETHER OCCUPY 67% OF THE TOTAL MARKET

6.7.2 CHEMICAL VAPOUR SENSOR ARE EXPECTED TO GROW AT A HIGHEST CAGR FROM 2013 TO 2018

7 GEOGRAPHICAL ANALYSIS

7.1 INTRODUCTION

7.2 NORTH AMERICA

7.2.1 U.S. IS THE LARGEST MARKET FOR ACOUSTIC WAVE SENSORS IN NORTH AMERICA

7.2.2 AW TORQUE SENSOR IS EXPECTED TO GROW AT A HIGHEST ESTIMATED CAGR IN NORTH AMERICA

7.2.3 AUTOMOTIVE APPLICATIONS COMMANDED THE LARGEST SHARE IN 2012

7.3 EUROPE

7.3.1 THE MARKET OF U.K. COMMANDED THE LARGEST SHARE IN 2012

7.3.2 TEMPERATURE SENSOR IS THE HIGHEST REVENUE CONTRIBUTOR ACROSS EUROPE

7.3.3 AROUND 52% OF THE ACOUSTIC WAVE SENSORS ARE USED FOR INDUSTRIAL APPLICATIONS IN EUROPE

7.4 APAC

7.4.1 THE ACOUSTIC WAVE SENSOR MARKET OF CHINA LEADS IN TERMS OF VALUE

7.4.2 AW TEMPERATURE SENSOR IS EXPECTED TO MAINTAIN ITS DOMINANCE THROUGHOUT THE FORECASTED PERIOD

7.4.3 THE ACOUSTIC WAVE SENSOR MARKET IN APAC IS LARGELY DRIVEN BY INDUSTRIAL APPLICATIONS; FOLLOWED BY AUTOMOTIVE INDUSTRY

7.5 ROW

7.5.1 RUSSIA ACCOUNTED FOR THE LARGEST MARKET IN 2012

7.5.2 ROW IS LARGELY DRIVEN BY TEMPERATURE AND PRESSURE SENSORS

7.5.3 PETROCHEMICAL AND OIL AND GAS APPLICATIONS ARE THE HIGHEST REVENUE GENERATOR

8 COMPETITIVE LANDSCAPE

8.1 OVERVIEW

8.2 COMPETITIVE ANALYSIS

8.2.1 MARKET SHARE ANALYSIS

8.3 COMPETITIVE SITUATION & TRENDS

8.3.1 NEW PRODUCT DEVELOPMENTS & ANNOUNCEMENTS

8.3.2 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS

8.3.3 MERGERS & ACQUISITIONS

9 COMPANY PROFILES (OVERVIEW, FINANCIALS, PRODUCTS & SERVICES, STRATEGY, & DEVELOPMENTS)

9.1 API TECHNOLOGIES CORP.

9.2 ASR&D CORPORATION

9.3 BOSTON PIEZO-OPTICS INC.

9.4 CERAMTEC

9.5 CTS CORPORATION

9.6 ECS INC. INTERNATIONAL

9.7 EPCOS

9.8 EPSON TOYOCOM

9.9 HONEYWELL INTERNATIONAL INC.

9.10 KYOCERA

9.11 MURATA MANUFACTURING CO. LTD.

9.12 PANASONIC CORP.

9.13 PHONON CORPORATION

9.14 RAKON

9.15 RALTRON ELECTRONICS CORPORATION

9.16 SENSEOR

9.17 SHOULDER ELECTRONICS LTD.

9.18 TELEDYNE MICROWAVE SOLUTIONS

9.19 TRIQUINT SEMICONDUCTOR, INC.

9.20 VECTRON INTERNATIONAL (Details on financials, product & services, strategy, and developments might not be captured in case of unlisted companies)

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL ACOUSTIC WAVE SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 2 GLOBAL ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 3 ACOUSTIC WAVE SENSORS, MARKET REVENUE, BY WORKING PRINCIPLE, 2012 – 2018 (\$MILLION)

TABLE 4 ACOUSTIC WAVE TEMPERATURE SENSORS, MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 5 ACOUSTIC WAVE TEMPERATURE SENSORS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 6 ACOUSTIC WAVE TEMPERATURE SENSORS MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 7 ACOUSTIC WAVE TEMPERATURE SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION UNITS)

TABLE 8 ACOUSTIC WAVE PRESSURE SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 9 ACOUSTIC WAVE PRESSURE SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 10 ACOUSTIC WAVE PRESSURE SENSOR REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 11 ACOUSTIC WAVE PRESSURE SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 12 ACOUSTIC WAVE MASS SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 13 ACOUSTIC WAVE MASS SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 14 ACOUSTIC WAVE MASS SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2016 (\$MILLION)

TABLE 15 ACOUSTIC WAVE MASS SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 16 ACOUSTIC WAVE TORQUE SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 17 ACOUSTIC WAVE TORQUE SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 18 ACOUSTIC WAVE TORQUE SENSOR MARKET REVENUE, BY

APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 19 ACOUSTIC WAVE TORQUE SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 20 ACOUSTIC WAVE HUMIDITY SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 21 ACOUSTIC WAVE HUMIDITY SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 22 ACOUSTIC WAVE HUMIDITY SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 23 ACOUSTIC WAVE HUMIDITY SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 24 ACOUSTIC WAVE VISCOSITY SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 25 ACOUSTIC WAVE VISCOSITY SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 26 ACOUSTIC WAVE VISCOSITY SENSOR, MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 27 ACOUSTIC WAVE VISCOSITY SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 28 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 29 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 30 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 31 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 32 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 33 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 34 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 35 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 36 GLOBAL ACOUSTIC WAVE SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 37 GLOBAL ACOUSTIC WAVE SENSOR, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 38 PASSENGER CAR PRODUCTION, 2011

TABLE 39 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR AUTOMOTIVE APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 40 ACOUSTIC WAVE SENSOR MARKET SHIPMENTS FOR AUTOMOTIVE APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (MILLION UNITS)

TABLE 41 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR AUTOMOTIVE APPLICATIONS, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 42 ACOUSTIC WAVE SENSOR MARKET SHIPMENTS FOR AUTOMOTIVE APPLICATIONS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION UNITS)

TABLE 43 MILITARY EXPENDITURE IN 2011

TABLE 44 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR MILITARY AND AEROSPACE APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 45 ACOUSTIC WAVE SENSOR MARKET FOR MILITARY AND AEROSPACE APPLICATION, SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION UNITS)

TABLE 46 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR MILITARY AND AEROSPACE APPLICATIONS, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 47 ACOUSTIC WAVE SENSOR MARKET FOR MILITARY AND AEROSPACE APPLICATIONS, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 48 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR CONSUMER ELECTRONICS APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 49 ACOUSTIC WAVE SENSOR MARKET FOR CONSUMER ELECTRONICS APPLICATIONS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 50 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR CONSUMER ELECTRONICS APPLICATIONS, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 51 ACOUSTIC WAVE SENSOR MARKET FOR CONSUMER ELECTRONICS APPLICATION, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 52 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR HEALTHCARE APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 53 ACOUSTIC WAVE SENSOR MARKET FOR HEALTHCARE APPLICATIONS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 54 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR HEALTHCARE APPLICATIONS, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 55 ACOUSTIC WAVE SENSOR MARKET FOR HEALTHCARE APPLICATIONS, UNIT SHIPMENTS, BY SENSING PARAMETERS 2012 – 2018 (MILLION)

TABLE 56 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 57 ACOUSTIC WAVE SENSOR MARKET FOR INDUSTRIAL APPLICATIONS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 58 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR INDUSTRIAL APPLICATIONS, BY SENSING PARAMETER, 2012 – 2018 (\$MILLION)

TABLE 59 ACOUSTIC WAVE SENSOR MARKET FOR INDUSTRIAL APPLICATIONS, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 60 ACOUSTIC WAVE SENSOR MARKET REVENUE FOR OTHER APPLICATIONS, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 61 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS, UNIT SHIPMENTS, BY GEOGRAPHY, 2012 – 2018 (MILLION)

TABLE 62 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS, BY SENSING PARAMETER, 2012 – 2018 (\$MILLION)

TABLE 63 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 64 GLOBAL ACOUSTIC WAVE SENSOR MARKET REVENUE, BY GEOGRAPHY, 2012 – 2018 (\$MILLION)

TABLE 65 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY COUNTRY, 2012 – 2018 (\$MILLION)

TABLE 66 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET UNIT SHIPMENTS, BY COUNTRY, 2012 – 2018 (MILLION)

TABLE 67 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 68 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 69 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 70 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 71 EUROPE: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY COUNTRY, 2012 – 2018 (\$MILLION)

TABLE 72 EUROPE: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY COUNTRY, 2012 – 2018 (MILLION)

TABLE 73 EUROPE: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 74 EUROPE: ACOUSTIC WAVE SENSOR MARKET UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 75 EUROPE: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY

APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 76 EUROPE: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 77 APAC: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY COUNTRY, 2012 – 2018 (\$MILLION)

TABLE 78 APAC: ACOUSTIC WAVE SENSOR MARKET UNIT SHIPMENTS, BY COUNTRY, 2012 – 2018 (MILLION)

TABLE 79 APAC: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 80 APAC: ACOUSTIC WAVE SENSOR MARKET UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 81 APAC: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 82 APAC: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 83 ROW: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY COUNTRY, 2012 – 2018 (\$MILLION)

TABLE 84 ROW: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY COUNTRY, 2012 – 2018 (MILLION)

TABLE 85 ROW: ACOUSTIC WAVE SENSOR, MARKET REVENUE, BY SENSING PARAMETERS, 2012 – 2018 (\$MILLION)

TABLE 86 ROW: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY SENSING PARAMETERS, 2012 – 2018 (MILLION)

TABLE 87 ROW: ACOUSTIC WAVE SENSOR MARKET REVENUE, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

TABLE 88 ROW: ACOUSTIC WAVE SENSOR MARKET, UNIT SHIPMENTS, BY APPLICATIONS, 2012 – 2018 (MILLION)

TABLE 89 MARKET SHARE RANKINGS, 2012

TABLE 90 NEW PRODUCT DEVELOPMENTS & ANNOUNCEMENTS (2009 – 2012)

TABLE 91 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS (2010 – 2012)

TABLE 92 MERGERS & ACQUISITIONS (2009 – 2012)

TABLE 93 API TECHNOLOGIES: REVENUE (\$MILLION)

TABLE 94 CTS: REVENUE (\$MILLION)

TABLE 95 HONEYWELL INTERNATIONAL: REVENUE (\$MILLION)

TABLE 96 KYOCERA: REVENUE (\$BILLION)

TABLE 97 MURATA MANUFACTURING: REVENUE (\$MILLION)

TABLE 98 PANASONIC: REVENUE (\$BILLION)

TABLE 99 RAKON: REVENUE (\$MILLION)

TABLE 100 TRIQUINT SEMICONDUCTOR: REVENUE (\$MILLION)

List Of Figures

LIST OF FIGURES

FIGURE 1 GLOBAL ACOUSTIC WAVE SENSOR MARKET – RESEARCH METHODOLOGY

FIGURE 2 MARKET SIZE ESTIMATION

FIGURE 3 DATA TRIANGULATION

FIGURE 4 GENERAL STRUCTURE OF A SURFACE ACOUSTIC WAVE SENSOR

FIGURE 5 ELECTRIC FIELD RESULTING FROM OPPOSITE POLARITY OF THE ELECTRODES

FIGURE 6 ACOUSTIC WAVE SENSOR MARKET SEGMENTATION

FIGURE 7 IMPACT ANALYSIS OF MARKET DRIVERS

FIGURE 8 IMPACT ANALYSIS OF MARKET RESTRAINTS

FIGURE 9 ACOUSTIC WAVE SENSOR MARKET VALUE CHAIN

FIGURE 10 PORTER'S FIVE FORCES MODEL FOR ACOUSTIC WAVE SENSOR MARKET

FIGURE 11 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE TEMPERATURE SENSORS

FIGURE 12 ACOUSTIC WAVE TEMPERATURE SENSORS, MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 13 ACOUSTIC WAVE TEMPERATURE SENSOR, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 14 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE PRESSURE SENSOR

FIGURE 15 ACOUSTIC WAVE PRESSURE SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 16 ACOUSTIC WAVE PRESSURE SENSOR, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 17 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE MASS SENSOR

FIGURE 18 ACOUSTIC WAVE MASS SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 19 ACOUSTIC WAVE MASS SENSOR, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 20 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE TORQUE SENSORS

FIGURE 21 ACOUSTIC WAVE TORQUE SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 22 ACOUSTIC WAVE TORQUE SENSOR, REVENUE DISTRIBUTION, BY

APPLICATIONS, 2012

FIGURE 23 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE HUMIDITY SENSORS

FIGURE 24 ACOUSTIC WAVE HUMIDITY SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 25 ACOUSTIC WAVE HUMIDITY SENSOR REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 26 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE VISCOSITY SENSOR

FIGURE 27 ACOUSTIC WAVE VISCOSITY SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 28 ACOUSTIC WAVE VISCOSITY SENSOR, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 29 PRICE-VOLUME ANALYSIS FOR ACOUSTIC WAVE CHEMICAL VAPOR SENSOR

FIGURE 30 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 31 ACOUSTIC WAVE CHEMICAL VAPOR SENSOR, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 32 PRICE-VOLUME ANALYSIS OF ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS

FIGURE 33 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, MARKET REVENUE (\$MILLION) & VOLUME (MILLION UNITS), 2012 – 2018

FIGURE 34 ACOUSTIC WAVE SENSORS FOR SENSING OTHER PARAMETERS, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012

FIGURE 35 POTENTIAL AUTOMOTIVE APPLICATIONS OF ACOUSTIC WAVE SENSOR

FIGURE 36 ACOUSTIC WAVE SENSOR MARKET FOR AUTOMOTIVE APPLICATIONS, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 37 ACOUSTIC WAVE SENSOR MARKET FOR MILITARY AND AEROSPACE APPLICATIONS, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 38 ACOUSTIC WAVE SENSOR MARKET FOR CONSUMER ELECTRONICS APPLICATION, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 39 ACOUSTIC WAVE SENSOR MARKET FOR HEALTHCARE APPLICATIONS, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 40 ACOUSTIC WAVE SENSOR MARKET FOR INDUSTRIAL APPLICATIONS, REVENUE DISTRIBUTION, BY GEOGRAPHY, 2012

FIGURE 41 ACOUSTIC WAVE SENSOR MARKET FOR INDUSTRIAL APPLICATIONS, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 42 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS, REVENUE DISTRIBUTION, BY GEOGRAPHY, 2012

FIGURE 43 ACOUSTIC WAVE SENSOR MARKET FOR OTHER APPLICATIONS, REVENUE DISTRIBUTION, BY SENSING PARAMETERS, 2012

FIGURE 44 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY COUNTRY, 2012 (\$MILLION)

FIGURE 45 NORTH AMERICA: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012 (\$MILLION)

FIGURE 46 EUROPE: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY COUNTRY, 2012 (\$MILLION)

FIGURE 47 EUROPE: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012 (\$MILLION)

FIGURE 48 APAC: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY COUNTRY, 2012 (\$MILLION)

FIGURE 49 APAC: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012 (\$MILLION)

FIGURE 50 ROW: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY COUNTRY, 2012 – 2018 (\$MILLION)

FIGURE 51 ROW: ACOUSTIC WAVE SENSOR MARKET, REVENUE DISTRIBUTION, BY APPLICATIONS, 2012 – 2018 (\$MILLION)

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