

# **Acoustic Sensors: Technologies and Global Markets**

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# **Abstracts**

The global market for acoustic wave sensors should reach \$8.2 billion by 2021 from \$6.0 billion in 2016 at a compound annual growth rate (CAGR) of 6.5%, from 2016 to 2021.

The market for surface acoustic wave sensors is expected to grow from \$3.8 billion in 2016 to \$5.4 billion in 2021 at a CAGR of 7.1% for the period 2016-2021.

The bulk acoustic wave sensors segment of the acoustic wave sensors market is expected to grow from \$2.2 billion in 2016 to \$2.8 billion in 2021 at a CAGR of 5.4% for the period 2016-2021.



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Modes of Acoustic Wave Propagation

Types of Acoustic Sensors

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Applications of Acoustic Wave Sensors

Quartz

Lithium Tantalate

Lithium Niobate

Gallium Arsenide

Silicon Carbide

Langasite

Zinc Oxide

Aluminum Nitride

Lead Zirconium Titanate

Polyvinylidene Fluoride

Surface Acoustic Wave

**Bulk Acoustic Wave** 

Pressure

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Temperature

Mass

Torque

Humidity

Viscosity

**Chemical Vapor** 

**Telecommunications** 

Automotive

Aerospace and Defense

Healthcare

Industrial

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API TECHNOLOGIES CORP.
AVX CORP.
BOSTON PIEZO-OPTICS INC.
BURKERT FLUID CONTROL SYSTEMS
CERAMTEC

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COLUMBIA RESEARCH LABORATORIES INC.

CTS CORP.

ECS INC. INTERNATIONAL

ELECTRONIC SENSOR TECHNOLOGY INC.

**EPCOS AG** 

EPSON TOYOCOM CORP.

GE SENSING INC.

**GENERAL ELECTRIC** 

HONEYWELL INTERNATIONAL INC.

INTELLISAW INC.

**INVENSENSE** 

KISTLER INSTRUMENT CORP.

KYOCERA CORP.

MERCURY UNITED ELECTRONICS INC.

MURATA MANUFACTURING CO. LTD.

NANOTEMPER TECHNOLOGIES GMBH

NEC CORP.

NORTHROP GRUMMAN CORP.

PANASONIC CORP.

PHONON CORP.

PHYSICAL ACOUSTICS CORP.

PRO-MICRON GMBH & CO. KG

RAKON LTD.

RALTRON ELECTRONICS CORP.

RF SAW INC.

**ROGA INSTRUMENTS** 

SCHMITT INDUSTRIES INC.

SENSEOR

SGX SENSORTECH LTD.

SHOULDER ELECTRONICS LTD.

SIEMENS AG

TAI-SAW TECHNOLOGY CO. LTD.

TELEDYNE MICROWAVE SOLUTIONS

TRANSENSE TECHNOLOGIES PLC

TRIQUINT SEMICONDUCTOR INC.

**VECTRON INTERNATIONAL** 

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