

## **Ultrasonics: Technologies and Global Markets**

Market Research Report | 2022-08-03 | 480 pages | BCC Research

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### **Report description:**

Description

Report Scope:

In this report, the market has been segmented based on equipment type, applications and geography. The report provides an overview of the global ultrasonic equipment market and analyzes market trends. Using 2021 as the base year, the report provides estimated market data for the forecast period, 2022-2027. Revenue forecasts for this period are segmented based on equipment type, applications and geography. Market values have been estimated based on the total revenue of ultrasonic equipment providers.

The report covers the market for ultrasonic equipment with regard to the consumer base, across different regions. It also highlights major trends and challenges that affect the market and the vendor landscape. The report estimates the global market for ultrasonic equipment in 2021 and provides projections for the expected market size through 2027.

The scope of the study includes ultrasonic equipment such as motors/actuators, medical equipment, processing equipment, assembling equipment, testing equipment, and ultrasonic flow meters and sensors. However, spares and consumables applicable to the ultrasonic equipment have been excluded from the study.

Report Includes:

- 175 data tables and 15 additional tables
- An up-to-date overview and analysis of the global markets for ultrasonic products and technologies
- Analyses of the global market trends, with product sales data for 2021, estimates for 2022, 2023 and 2025, and projections of compound annual growth rates (CAGRs) through 2027

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- Highlights of the feasible market opportunities by identifying high-growth applications in different areas, with a focus on the largest and expanding markets
- Estimation of the actual market size for ultrasonic technologies and products, revenue forecast, and corresponding market share analysis segmented by product/equipment type, application, and region
- Assessment on the global industry development through an in-depth analysis of the major regional markets for ultrasonic technologies and products, including forecasts for growth
- Updated information on key market drivers and opportunities, industry shifts and regulations, and other demographic factors that will influence the demand in the coming years (2022-2027)
- Identification of viable technology drivers through a holistic review of various platform technologies for new and existing ultrasonic products and application markets
- Insight into the increasing investments on R&D activities, key technology issues, industry specific-challenges, major types of end-user markets, and COVID-19 impact on this market
- Discussion of the competitive landscape of major manufacturers and suppliers of various types of ultrasonic products, their research priorities, product portfolios, and market share analysis based on the segmental revenues
- Descriptive company profiles of the leading global players, including Accusonics Inc., Baker Hughes, Kistler-Morse, Newtech Ltd., Samsung Medison Co. Ltd. and TE Connectivity

## Executive Summary

### Summary:

Ultrasonics has become an important tool in the industrial, medical and other fields. Ultrasonics has applications in materials science, medicine, dentistry, oceanology, marine navigation, petroleum and mineral prospecting, industrial processes and noise cancellation. Improvements are still being made in the older domains of music and voice reproduction, audiometry, psychoacoustics and environmental noise control. Ultrasonics has already found wide application in the biological sciences. Dental plaque is removed by ultrasonic means; sound waves are used to provide prenatal scans; new means of treating skin cancers have been devised using high-intensity ultrasonic signals; ultrasonic therapy is administered to athletes to treat soreness and muscular injuries and also to ease the effects of rheumatism; and sound in the appropriate ultrasonic range can break up kidney stones without the necessity for surgery.

The global market for ultrasonic equipment was estimated to be REDACTED in 2021. It is projected the ultrasonic equipment market will grow at a CAGR of REDACTED and is forecast to reach REDACTED by 2027. The total market is subdivided into various segments; individually, the market for technology encompassing ultrasonic medical equipment tops the growth rates with a CAGR of REDACTED. The medical field has adopted the ultrasonics and allied equipment in a larger percentage, with newer applications coming up frequently in various fields. The diagnostic ultrasound is a booming market with use of three-dimensional (3D) and four-dimensional (4D) imaging increasing in many new fields. Similarly, ultrasonic applications in various types of surgical and therapeutic fields are increasing at a greater rate. With these increases, the medical field offers high potential for growth in ultrasonic applications.

In this report, the global market for ultrasonic equipment has been segmented based on equipment type, applications of each equipment type and geography. Based on equipment type, the ultrasonic equipment market has been categorized into ultrasonic motors/actuators, ultrasonic medical equipment, ultrasonic processing equipment, ultrasonic assembling equipment, ultrasonic testing equipment, and miscellaneous ultrasonic equipment. Ultrasonic motors/actuators currently dominate the market and was valued at REDACTED in 2021. It is estimated the ultrasonic motors/actuators market will grow at a CAGR of REDACTED and is forecast to reach REDACTED by 2027.

By geography, the ultrasonic equipment market has been segmented into North America, Europe, Asia-Pacific, South America and

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Rest of the World (RoW). The Asia-Pacific region currently is the most dominant market for global ultrasonic equipment market. In 2021, total revenue from the Asia-Pacific ultrasonic equipment market reached REDACTED, which is around REDACTED of the global market. The presence of leading global companies, rising infrastructure development, advancements in medical facilities, growth in wastewater treatment, increasing demand from chemical and petroleum industries, and surge in demand for integration of artificial intelligence in ultrasonic equipment are some of the key factors driving the Asia-Pacific market. Asia-Pacific is currently the fastest-growing market for ultrasonic equipment globally. The Asia-Pacific ultrasonic equipment market is projected to grow at a CAGR of REDACTED and is forecast to reach REDACTED by 2027.

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Asia-Pacific  
China  
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India  
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Ultrasonic Thickness Gauges  
Ultrasonic Flaw Detectors (UFD)  
Miscellaneous Ultrasonic Technologies  
Ultrasonic Flow Measurement  
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