

United Arab Emirates Ultrasound Devices Market Assessment, By Product Type [Diagnostic Ultrasound Systems; Therapeutic Ultrasound- High-intensity focused ultrasound, Extracorporeal shockwave lithotripsy], By Portability [Trolley/Cart-Based, Compact/Handheld], By Display [Coloured, Black and White], By End-user [Hospitals, Diagnostic Centre, Ambulatory Care Centres, Surgical Centres, Others], By Application [Radiology, Cardiology, Obstetrics & Gynaecology, Gastroenterology, Urology, Others], By Distribution Channel [Online, Offline-Distributor, Manufacturer, Others], By Region, Opportunities, and Forecast, 2016-2030F

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Abstracts

United Arab Emirates Ultrasound Devices Market size was valued at USD 273.27 million in 2022, expected to reach USD 440.17 million in 2030 with a CAGR of 6.14% for the forecast period between 2023 and 2030F. The UAE's ultrasound devices market has experienced remarkable growth due to several factors. The continuous expansion of the country's healthcare infrastructure, marked by the establishment state-of-the-art hospitals and clinics, has significantly increased the demand for advanced medical imaging equipment, including ultrasound devices. The rising prevalence of chronic illnesses, such as cardiovascular diseases and cancer, has also underscored the necessity for accurate and non-invasive diagnostic tools like ultrasound, fueling market expansion.

Technological advancements have played a pivotal role in shaping the UAE's ultrasound device market. Cutting-edge innovations in ultrasound technology, such as 3D/4D imaging, portable and handheld devices, and enhanced image resolution, have bolstered diagnostic capabilities and improved patient comfort and overall healthcare efficiency. Furthermore, integrating artificial intelligence (AI) in ultrasound imaging has brought about a transformative shift in the market, automating image analysis and diagnosis, leading to superior accuracy and efficiency in healthcare practices. The UAE's growing aging population has been a driving force behind the escalating demand for medical imaging services, given their heightened vulnerability to various health conditions requiring diagnostic imaging. Moreover, the UAE's status as a prominent medical tourism destination has contributed to the market's growth, as patients from neighboring countries seek cutting-edge medical treatments, including ultrasound examinations, within the UAE's advanced healthcare facilities. These factors underscore the bright prospects and continued expansion of the UAE's ultrasound devices market.

For instance, in 2022, Fujifilm unveiled the ARIETTA 850 DeepInsight, an advanced diagnostic ultrasound system catering to high-end medical imaging needs. This cutting-edge system incorporates 4D imaging, elastography, and contrast-enhanced imaging, ensuring superior imaging capabilities. By integrating AI-powered tools, it empowers healthcare professionals to attain accurate diagnoses.

Growing Healthcare Industry

The healthcare industry in the United Arab Emirates has been rapidly growing in recent years, which has positively impacted the ultrasound devices market in the country. Several factors, including increasing medical facilities, a growing population, and a rise in chronic diseases, drive the demand for ultrasound devices in the UAE. Additionally, the UAE government has been investing heavily in healthcare infrastructure and initiatives, which has led to an increase in the number of hospitals and clinics and the adoption of advanced medical technologies. This has created a favorable environment for the growth of the ultrasound devices market in the UAE, with more healthcare providers adopting these devices for various applications such as Obstetrics and Gynecology, Cardiology, and General Imaging.

As such, the outlook for the ultrasound devices market in the UAE is positive, and it is expected to continue to grow in the coming years. For example, Prostate cancer can be effectively treated without resorting to radical surgery. Prostate Brachytherapy offers a

high-precision radiotherapy method by delivering radiation directly into the prostate through needles placed under ultrasound guidance. This advanced technique enables a cure for cancer without invasive surgery or undergoing a prolonged weeks-long course of radiotherapy.

Improved Accuracy and Efficiency of Ultrasound Imaging

AI-powered automation can significantly enhance the accuracy and efficiency of ultrasound imaging. By leveraging AI algorithms, tasks like image analysis and diagnosis can be automated, leading to quicker and more precise results. This technology identifies and categorizes abnormalities, such as tumors, in ultrasound images, empowering medical professionals to make more accurate diagnoses. Additionally, AI can detect subtle patterns and nuances that might be overlooked by human eyes, reducing the risk of misinterpretation and potential medical errors.

Moreover, the automation of repetitive tasks liberates healthcare personnel from mundane duties, allowing them to focus more on patient care. With the integration of AI in ultrasound imaging, the healthcare industry benefits from improved diagnostic capabilities, streamlined workflows, and ultimately, enhanced patient outcomes. For example, in 2022, Sheikh Shakhbout Medical City (SSMC), an extensive healthcare facility in the UAE renowned for specialized and intricate care, has achieved a significant milestone by establishing the Middle East's pioneering academy for enhancing medical practitioners' skills through an AI-guided point-of-care ultrasound (POCUS) device. This remarkable initiative was made possible through a joint-venture partnership between the world-renowned Mayo Clinic and Abu Dhabi Health Services Company (SEHA). SSMC's commitment to integrate advanced AI technology into medical training sets a new standard in the region, empowering healthcare professionals to leverage cutting-edge tools for more accurate and efficient patient care.

Increasing Popularity of Portable Ultrasound Devices

The market is experiencing a surge in the popularity of portable ultrasound devices. These compact and versatile devices are in high demand due to their ability to offer real-time imaging in diverse healthcare settings. The convenience of portability makes them ideal for point-of-care applications, emergencies, and remote or resource-limited locations. Healthcare professionals in the UAE are increasingly adopting portable ultrasound devices for their efficiency in providing rapid and accurate diagnoses. Additionally, technological advancements have improved image quality and enhanced the functionalities of these devices, further driving their adoption in the medical field. As

the UAE's healthcare landscape continues to evolve, the increasing popularity of portable ultrasound devices is expected to play a significant role in shaping the ultrasound devices market and catering to the changing demands of healthcare providers and patients.

For instance, in 2023, UAE is set to introduce the world's first AI-driven portable 3D breast ultrasound scanner. This groundbreaking medical technology promises to revolutionize breast imaging and diagnosis. The AI-driven scanner's portability and advanced imaging capabilities will enable healthcare professionals to perform accurate and efficient breast examinations even in remote or resource-limited settings.

Impact of COVID-19

The pandemic had a mixed impact on the UAE ultrasound devices market. During the initial stages of the pandemic, there was a surge in demand for ultrasound devices to aid in diagnosing and monitoring COVID-19 cases. The portable and handheld ultrasound devices proved particularly valuable in managing patients in isolation or remote locations. However, as the pandemic continued, the overall market experienced a decline due to disruptions in healthcare services, reduced elective procedures, and financial constraints faced by healthcare facilities. Many hospitals and clinics focused their resources on managing COVID-19 cases, leading to a temporary slowdown in non-urgent medical equipment purchases. Despite the short-term challenges, the market is expected to recover steadily as healthcare activities resume, with a growing emphasis on advanced medical technology and point-of-care diagnostics.

Key Player Landscape and Outlook

The United Arab Emirates ultrasound devices market is highly competitive, with a mix of international and local players operating. With the growing demand for ultrasound devices in the UAE, the competition is expected to intensify, with companies competing on product features, pricing, and after-sales service to gain a larger market share. For example, in 2022, Abu Dhabi Health Services Company (SEHA) and Korean Lunit signed a collaboration agreement to test AI-based radiology solutions. This partnership aims to explore the potential of artificial intelligence in enhancing radiological diagnoses and improving patient care. By leveraging Lunit's advanced AI technology, SEHA aims to augment its radiology capabilities and deliver more accurate and efficient medical imaging services.

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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