

Israel Ultrasound System Market, By Technology (Diagnostic Ultrasound, Therapeutic Ultrasound), By Display Type (Black & White, Colored), By Mobility (Fixed, Mobile), By Equipment Type (Refurbished, New), By Source (Import, Domestic), By Application (Obstetrics/Gynecology, General Imaging, Cardiology, Urology), By End User (Hospitals & Clinics, Diagnostic Centers, Others), By Region, Competition Forecast, and Opportunities, 2028

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Abstracts

The Israel ultrasound system market is expected to show an inspiring growth during the forecast period, 2024-2028 due to its growing demand to assess the internal structure of the body for diagnosis of different diseases. Moreover, ultrasound does not subject patients to ionizing radiation for generating images thus ultrasound imaging has become an indispensable tool for the diagnosis and treatment of various medical conditions. In Israel, the market for ultrasound systems is growing rapidly, driven by a combination of factors, including advancements in technology, increasing demand for non-invasive diagnostic procedures, and rising healthcare expenditure.

Israel's geriatric population is rising, and with its limited resources, the Ministry of Health of Israel (MoH) have decided to convert the hospital care into homecare whenever required to provide the healthcare services to face any global pandemic in future. The demand for equipment that assist at-home patients health monitoring and for solutions that saves money will continue to rise. This transition has been growing the demand of portable medical system to lower the hospital visits and control overcrowding. Wound care, advanced diagnostics, and minimal invasive procedures continue to be a high

priority in the public healthcare market. The demand for cutting-edge medical devices such as ultrasound system are also maintained by the well-developed healthcare sector dominantly in dental clinics, eye laser surgery, and maternity homes. Israel has an excellent digital health tech base and is a world leader in mobile and e-health implementations, following which many start-up companies are coming forward with innovative products or application for integration in ultrasound systems to provide more efficiency and easy diagnosis of the prevalent diseases in the country. Though, still there are many opportunities in the country to improve its medical surveillance for easy and early access to patients in the hospitals, the sales prospects of minimally invasive surgical tools (ultrasound systems), used both in diagnostic and therapeutic field are increasing in demand as these technologies incorporate imaging capabilities for getting clear image and to perform minimally invasive surgeries. As a result, these factors are expected to surge the demand of ultrasound system in the upcoming years in Israel.

The Israel healthcare system strives to meet the needs of its patients while maintaining high standards for quality of service. However, issues between public and private health care can undermine the system's universal nature due to overcrowded hospitals and the impending retirement of many doctors along with shortage of medical professionals. Despite being a relatively young nation in comparison to the other OECD nations, Israel will nevertheless require more resources for healthcare due to population ageing and increased healthcare demand. Additionally, there will be a greater need for interprofessional cooperation as the burden of chronic disease rises. For inclusive communities, it is crucial to address health disparities between geographic areas and between population groups with various levels of socioeconomic status. Numerous variables, such as variations in risk factor exposure and variations in access to medical care, are associated with disparities in health status. The nation has an opportunity to further reduce the gaps in healthcare quality and outcomes by addressing inequities and their intricate causes. Israel serves as a hub for technological research and development worldwide. Its inter-disciplinary strengths, which combine medical knowledge, clinical competence, medical science, electronics, software expertise, and technical know-how, are what gives it an edge in the market. Thus, the focus of the Ministry of Health for advancing the healthcare system of the country by manufacturing and importing new and advanced medical equipment is expected to drive the market of Israel ultrasound system in the forecast years.

Technological Advancements to Boost the Demand of Ultrasound System

Innovative tools and apps are available because of the high-tech industries and well-

developed infrastructure of Israel. Digital health sector which represents 30% of the life science companies in Israel are driving the adoption of AI and computer science to address therapeutic challenges.

Advancements in technology have played a significant role in the growth of the ultrasound system market in Israel. The latest ultrasound systems offer higher image resolution, improved sensitivity, and enhanced 3D/4D imaging capabilities. This has resulted in better accuracy and diagnosis of various medical conditions. In addition, the development of portable and handheld ultrasound systems has increased the accessibility of ultrasound imaging, especially in rural areas and smaller medical facilities.

A cutting-edge handheld ultrasound equipment that will enable expectant mothers to monitor the health of their unborn child using only a smartphone is currently being developed by an Israel based company PulseNmore LTD. Any smartphone can be used to connect to PulseNmore LTD., which can then send images to the patient's personal doctor for review. In Israel, the invention may completely change how frequently expectant mothers check on their unborn children. Although the Health Ministry has not yet approved the device, even though the company has had success testing the product. Once certified by the Health Ministry, the PulseNmore device will retail for about NIS 700 (USD 190) and be able to perform ultrasound exams. The technology could help save money by eliminating the need for pricey ultrasound testing, and the cost charged does not include payment to the doctor viewing the image thus making the use of this new technology more feasible to the patients.

Increasing Demand for Non-invasive Diagnostic Procedures

There is a growing preference for non-invasive diagnostic procedures among patients in Israel. This is because non-invasive procedures involve minimal or no incisions, resulting in reduced pain, fewer complications, and faster recovery. Ultrasound imaging is a non-invasive procedure that uses high-frequency sound waves to produce images of internal body structures, allowing physicians to diagnose various conditions without the need for surgery. This has led to an increasing demand for ultrasound systems in Israel. The development of portable and handheld ultrasound systems has made it possible to use ultrasound imaging in remote or under-resourced areas, where access to medical equipment may be limited. Compared to other imaging methods, ultrasound is relatively affordable, making it more accessible to patients and healthcare providers thus increasing the demand of ultrasound system market in the future.

Increasing Prevalence of Chronic Diseases Requiring Need for Examination

The ageing population present several difficulties in Israel. One of the biggest problems faced by the Israel's healthcare system is to deal with the continually growing population of geriatric people suffering from dementia. A national strategic plan was created by the Ministry of Health to treat Alzheimer's disease, and other age-related chronic disorders. The strategy takes a comprehensive approach and places a strong emphasis on cooperation between all pertinent organizations, including government departments, health plans, and other businesses. The strategy plan aims to address significant problems that make it challenging for the current service system to adequately address the special needs of aged patients.

The most frequent conditions observed among the population of Israel are hypertension (10.2/100), diabetes (6.1/100), hyperlipidemia (5.7/100), peptic ulcer (4.7/100), and ischemic heart disease (4.3/100). In contrast to males, females had much lower rates of ischemic heart disease, chronic obstructive pulmonary disease, heart failure, and asthma but significantly higher rates of hypothyroidism, psychoses, neuroses, and malignancies.

To perform biopsy, ultrasound plays a crucial role for ruling out any condition. According to Globocan, breast and prostate cancer are the most common cancer types in Israel's population, thus increasing prevalence of cancer and use of ultrasound for examining lumps in the body and guiding needle for biopsy is expected to grow the demand for ultrasound to perform early diagnosis of cancer and other chronic diseases.

Integration of Artificial Intelligence into Ultrasound System

As portable ultrasound equipment becomes more widely available and demand for quick clinical decisions at the bedside, medical professionals with radiology training are using medical ultrasonography more and more. In obstetric and gynecologic research on ultrasound, there have been advancements in the automatic detection of endometrial thickness and the automatic classification of ovarian cysts. Numerous complex anatomical areas, such as various joint problems, fetal examination, neonatal sickness, and benign or malignant tumors, are addressed by the notion of 3D ultrasound acquisition employing cine clips.

For many years, computer-aided diagnosis (CAD) has been used in medical imaging, particularly ultrasonography. The use of medical ultrasound in many clinical settings with widespread utilization by medical workers has the potential to be accelerated by AI-

powered ultrasonography. The use of AI in ultrasonography may be able to help doctors with patient diagnosis and triage.

The ultrasound system is advancing with time which does not limit its use for generating image only. Many start-up companies in Israel are also coming up with new technology in ultrasound system to enhance the performance of the system and not limiting the use of these ultrasound in the hospitals and clinics. For instance, a USD 14 million Series B round of fundraising has been completed by the Israel based AI healthtech company called DiA Imaging Analysis Ltd., which uses deep learning and machine learning to automate the examination of ultrasound scans. Alchimia Ventures, Downing Ventures, ICON Fund, Philips, and XTX Ventures are among the new investors; along with CE Ventures, Connecticut Innovations, Defta Partners, Mindset Ventures, and Dr. Shmuel Cabilly which has accounted for USD 25 million funding to date. With this most recent round of funding, DiA Imaging Analysis Ltd. will be able to keep growing its product line, pursue new and expand its alliances with ultrasound suppliers, PACS/healthcare IT firms, resellers, and distributors, while maintaining its position as a regional industry leader in Israel. To record and analyze ultrasound pictures, the healthcare technology business supplies AI-powered support software to physicians and healthcare workers. This process, when done manually, requires human expertise to visually evaluate the scanned data. It offers a variety of solutions targeted at various clinical requirements related with ultrasound analysis. It has trained AIs to scan ultrasound imaging to automatically spot problems to initiate with medical intervention.

Market Segmentation

Israel ultrasound system market is segmented into technology, display type, mobility, equipment type, source, application, end user, region, and company. Based on the technology, the market is segmented into diagnostic ultrasound and therapeutic ultrasound. Based on the display type, the market is segmented into black & white and colored. Based on the mobility, the market is divided between fixed and mobile. Based on the equipment type, the market is segmented into refurbished and new. Based on the source, the market is segmented into import and domestic. Based on the application, the market is segmented into obstetrics/gynecology, general imaging, cardiology, and urology. Based on the end user, the market is segmented into hospitals & clinics, diagnostic centers, and others.

Market Players

GE Medical Systems Israel Ltd., Philips Medical Systems Technologies Ltd., Fujifilm

Holdings Corporation, Canon Medical Systems Corporation, Samsung Healthcare, Siemens Healthineers Israel, KONIKA MNOLTA Middle East, Carestream Health, Elscint Ltd., and iNNOGING Medical are some of the leading players operating in the Israel ultrasound system market.

Report Scope:

In this report, Israel ultrasound system market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Israel Ultrasound System Market, By Technology:

Diagnostic Ultrasound

Therapeutic Ultrasound

Israel Ultrasound System Market, By Display Type:

Black & White

Colored

Israel Ultrasound System Market, By Mobility:

Fixed

Mobile

Israel Ultrasound System Market, By Equipment Type:

Refurbished

New

Israel Ultrasound System Market, By Source:

Import

Domestic

Israel Ultrasound System Market, By Application:

Obstetrics/Gynecology

General Imaging

Cardiology

Urology

Israel Ultrasound System Market, By End User:

Hospitals & Clinics

Diagnostic Centers

Others

Israel Ultrasound System Market, By Region:

The Mediterranean Coastal Plain

The Central Hills

The Jordan Rift Valley

The Negev Desert West

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Israel ultrasound system market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the

Israel Ultrasound System Market, By Technology (Diagnostic Ultrasound, Therapeutic Ultrasound), By Display Typ...

report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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