

UAE CT Scanners Market Assessment, By Type [Stationary CT Scanners, Portable CT Scanners], By Technology [High-Slice CT Scanners, Medium-Slice CT Scanners, Low-Slice CT Scanners, Cone-Beam CT Scanners], By Application [Cardiovascular, Orthopedic, Neurology, Oncology, Others], By End-user [Hospitals, Diagnostic Imaging Centers, Others], By Region, Opportunities and Forecast, 2017-2031F

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Report description:

UAE CT scanners market is projected to witness a CAGR of 6.43% during the forecast period 2024-2031, growing from USD 70.40 million in 2023 to USD 115.90 million in 2031. The market is mainly growing under the influence of the rising disease burden, technological advancements, growing emphasis on early cancer detection, and advanced healthcare services in the UAE. Due to the continuous improvement in medical technology and increased demand for diagnostic imaging, the growth of CT scanners is still productive in the UAE. With constant development in healthcare infrastructure and growing awareness regarding the early detection of diseases, the demand for CT scanners rapidly rises in healthcare settings. The key drivers of this growth are the increasing burden of chronic diseases, government initiatives to improve their healthcare infrastructure, and significant investments in upgrading their medical equipment. In addition, the penetration of advanced technologies such as artificial intelligence and other new features in computed tomography scanners will further fuel market growth as diagnostic accuracy is improved, and patient treatment is enhanced. In a nutshell, the UAE computed tomography scanners market will continue to show good growth momentum and thus reflect the country's ambition to build its healthcare sector. For instance, in February 2024, at the Total Radiology Conference held at Dubai World Trade Centre (DWTC) underlined the commitment of the UAE towards radiology growth. As various global players are introducing comprehensive learning and innovative CT platforms, it underlines the growing demand for state-of-the-art CT scanners and fuels market growth. In addition, in February 2023, at Arab Health 2023, GE HealthCare Technologies Inc. unveiled its Smart CT solution for the first time in Dubai. The imaging solution increased patient throughput by 50%, image quality by 30%, and turnaround time by 85%. This launch has further cemented that the UAE is

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unwinding every possible way to increase demand for advanced medical imaging technologies and has congregated more focus on healthcare innovation.

Rising New Cases of Cancer Impacts the Growth of UAE CT Scanners Market

The increase in new cases of cancer and other diseases in the UAE is significantly driving the demand for computed tomography (CT) scanners. According to the World Health Organization (WHO), there were 5,520 new cancer cases in 2022, with an estimated increase to 15,900 new cases by 2045. The sudden increase in cancer incidence is speeding up the demand for diagnostic imaging technologies with enhanced features. With the burden of growing cases, healthcare providers are increasingly considering investments in high-resolution computed tomography scanners to enhance diagnostic and effective patient management. This trend, therefore, reflects a major shift in the medical imaging market of the UAE toward more advanced and efficient imaging solutions. These are critical developments for improving early detection and good treatment outcomes that are driving further innovations in medical technologies to keep abreast of increasing demands on healthcare. The healthcare system of UAE is responding by expanding infrastructure and integrating advanced diagnostic equipment to better serve the community's needs.

Advancements in Computed Tomography Supports Market Growth

Recent technological advancements in CT scanners are some of the highly pervasive factors that contribute to significant growth in the UAE market. In that respect, innovative features include high-definition imaging and shorter scanning time, which would improve diagnostic accuracy and patient outcomes. The cutting-edge CT systems boast improved algorithms and artificial intelligence; with such advanced improvements, image clarity is enhanced, noise is reduced, and processing speeds are faster to enable earlier and more precise diagnosis. Besides, the development of dose-reduction technologies is increasingly allowing patients to be exposed to radiation without compromising image quality. State-of-the-art multi-detector CT scanners with faster and higher-quality imaging are finding their place within UAE healthcare facilities for early detection and effective management of cases. For instance, in May 2022, the Medical Imaging Laboratory at Khalifa University introduced MARS Microlab 5X120, which is the first spectral photon-counting CT scanner within the GCC. This micro-CT system is capable of doing high-resolution, multi-energy 3D imaging and analyzes biological samples as large as 125mm in diameter and 450mm in length. Furthermore, integrating cloud-based solutions for remote diagnostics and data sharing can enhance clinical workflows and accessibility. These developments not only raise the level of care but also fuel market growth by encouraging the adoption of advanced technology across the UAE's growing healthcare sector.

Hospitals Segment is Expected to Account Major Market Share

The hospitals in the UAE currently represent the largest share of the UAE CT scanner market. For instance, in November 2022, the Department of Health in Abu Dhabi introduced a fully integrated image exchange solution into the Malaafi health information exchange platform. This will enable referring and treating clinicians to securely access radiology and diagnostics, including CT scans, as part of a patient's medical record in a standard format. Facilities such as Reem Hospital and several others from the chain of NMC Healthcare have already installed this system, which shows the broader trend of hospitals' acquisition of advanced CT scanner systems to enhance diagnostic capabilities. This attests to the fact that increased adoption of new technologies and participation in centralized imaging solutions by hospitals are extending not only their imaging capacities but also fostering the growth of the UAE CT scanners market. In the last few years, many hospitals in the UAE have adopted advanced CT scanner systems, such as American Hospital Dubai and Al Qassimi Hospital in Sharjah. The installations reflect the priorities of the hospital to support better clinical outcomes.

Future Market Scenario (2024-2031F)

The growth of the UAE CT scanners market in the future is expected to be higher due to integration with AI and the emergence of photon-counting CT scanners. For instance, in October 2023, Aster DM Healthcare Limited and Fujifilm Holdings Corporation collaborated to develop AI-enabled diagnostic solutions. In this collaboration, the companies aim to develop the precision of imaging and radiology workflows to cater to the need for AI to improve diagnostic accuracy and increase productivity.

Similarly, in January 2023, Siemens Healthineers AG showcased NAEOTOM Alpha, the world's first photon-counting CT system, at the Arab Health 2023 exhibition. Ultra-high-resolution imaging with a minimum radiation dose is possible with its QuantaMax detector, which features full spectral information, thus providing improved contrast. The establishment of such advanced systems highlights the transformation in imaging capability that allows for expanded clinical options with enhanced diagnostic potential. As

these innovations become increasingly adopted by hospitals, the adoption of CT scanners in the UAE will accelerate, driven by enhanced technology and evolving healthcare demand.

Key Players Landscape and Outlook

Key leading players in the UAE CT scanners market are driving innovative advancement in advanced imaging technologies, such as, Siemens Healthineers is leading in photon-counting computed tomography systems, while GE Healthcare and Philips enhance offerings with AI. New advancement changes the pace of competition; it would mean that robust growth of the market is foreseen to come along with increased adoption of diagnostic solutions.

For instance, in February 2024, Koning Corporation received clearance from the Federal Authority for Nuclear Regulation (FANR) in the UAE, to introduce Breast CT technology in the UAE. The company has elevated standards in breast imaging, bringing added value to care across the region. This reflects Koning's commitment to pioneering advancements in medical imaging.

For instance, in January 2024, AlMana Group of Hospitals (AGH) partnered with Fujifilm Middle East FZE to bring revolutionary changes in diagnostic services by introducing advanced AI technology. The strategic collaboration would bring in the use of next-generation tools to further enhance patient care, operational efficiency, and medical knowledge. The expansion plans include providing teleradiology services as part of the vision to offer top-notch diagnostic and therapeutic solutions to patients across the region.

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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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17. Strategic Recommendations

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