

Middle East & Africa Helical CT Scanner Market Size and Forecast (2021 - 2031)

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Abstracts

The Middle East & Africa Helical CT Scanner Market is projected to grow significantly, reaching an estimated US\$ 59.3 million by 2031, up from US\$ 47.2 million in 2024. This growth reflects a compound annual growth rate (CAGR) of 3.4% from 2025 to 2031.

Executive Summary and Market Analysis

The helical CT scanner market in the Middle East and Africa is segmented into key regions including the UAE, Saudi Arabia, South Africa, and the Rest of MEA. The increasing prevalence of chronic non-communicable diseases such as cancer, cardiovascular diseases, and respiratory disorders is driving the demand for advanced imaging technologies that facilitate early diagnosis, disease staging, and treatment monitoring. In response, governments are enhancing healthcare investments and modernizing infrastructure through national initiatives like Saudi Vision 2030 and UAE healthcare agendas, which emphasize the importance of diagnostic and imaging technologies.

Technological advancements, including multi-slice, dual-energy, and AI-assisted CT scanners, are enhancing image quality, reducing scan times, and minimizing radiation exposure, making helical CT scanners more appealing. Additionally, the expansion of private healthcare facilities and the growth of medical tourism in the region are further propelling the demand for high-quality diagnostic imaging. Increased public and private sector awareness regarding early detection and preventive healthcare is also driving the adoption of advanced CT scanner technologies.

Market Segmentation Analysis

The Middle East & Africa Helical CT Scanner Market can be categorized based on several factors:

By Type: The market is divided into Double-Layer and Multi-Layer segments, with the Multi-Layer segment leading the market in 2024.

By Slice Type: The market is segmented into 1-16 Slices, 17-64 Slices, 128-160 Slices, and >160 Slices, where the 17-64 Slices segment dominated in 2024.

By End User: The market is categorized into Hospitals, Medical Centers, and Ambulatory Surgical Centers, with Hospitals holding the largest market share in 2024.

Market Outlook

Chronic diseases, including cancer, cardiovascular diseases (CVD), diabetes, and respiratory disorders, are significant contributors to global morbidity and mortality rates. For instance, cancer is a major concern, with helical CT scanners widely utilized for tumor detection in organs such as the lungs, liver, and colon. According to the Global Cancer Statistics 2024, approximately 20 million new cancer cases were diagnosed in 2022, leading to 9.7 million deaths. Projections indicate that by 2050, cancer cases could rise to 35 million, marking a 77% increase from 2022 levels. Low-dose helical CT screening for lung cancer has been shown to reduce mortality by 20% in high-risk groups, further driving the adoption of these scanners in oncology.

Cardiovascular diseases remain the leading cause of death globally, with helical CT angiography providing non-invasive visualization of coronary arteries, which is crucial for early detection. The World Health Organization (WHO) reported that CVDs accounted for 19.8 million deaths in 2022, representing 32% of all global deaths. The prevalence of CVD is expected to increase by 90% between 2025 and 2050, underscoring the need for advanced imaging solutions. Helical CT calcium scoring is particularly valuable in identifying plaque buildup in patients with suspected heart disease, guiding preventive measures.

Diabetes, often associated with complications such as neuropathy and vascular issues, also contributes to the demand for helical CT scanners. The IDF Diabetes Atlas indicates that approximately 589 million adults were living with diabetes in 2024, with projections suggesting this number could rise to 853 million by 2050. Helical CT plays a

vital role in assessing organ damage related to diabetes, such as diabetic kidney disease, through contrast-enhanced imaging.

The increasing prevalence of these chronic diseases places significant strain on healthcare systems, driving innovation in helical CT technology. The interplay between the rise of chronic diseases and advancements in diagnostic imaging positions helical CT scanners as essential tools in modern healthcare, with sustained market growth expected throughout the decade.

Country Insights

The market is further segmented by country, with Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa being the primary regions. Saudi Arabia held the largest market share in 2024. The aging population in Saudi Arabia is projected to increase significantly, with the number of individuals aged 60 and above expected to rise from 2 million (5.9% of the population) in 2020 to 10.5 million (23.7% of the population) by 2050. This demographic shift will likely lead to a higher incidence of chronic diseases, necessitating advanced imaging technologies for accurate diagnosis and treatment.

Recent developments in Saudi Arabia's medical imaging sector indicate a shift towards innovative technologies. For example, QT Imaging has announced a distribution agreement for its QTI Breast Acoustic CT scanner, which aims to enhance breast cancer detection without radiation exposure. Additionally, Philips' SmartCT Soft Tissue Helical protocol is being adopted to improve imaging quality in neurovascular care.

Company Profiles

Key players in the Middle East & Africa Helical CT Scanner Market include Koninklijke Philips NV, Canon Inc, GE HealthCare Technologies Inc, Narang Medical Limited, Neusoft Medical Systems, FUJIFILM Holdings Corp, Siemens Healthineers AG, Shanghai United Imaging Healthcare Co., LTD, NeuroLogica Corp, and SinoVision Technology (Beijing) Co., Ltd. These companies are pursuing various strategies, including expansion, product innovation, and mergers and acquisitions, to enhance their market presence and offer innovative solutions to consumers.

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