

**Israel X-Ray Imaging System Market, By Modality (Direct Radiography, Computed Radiography), By Mobility (Stationary, Mobile), By Type (Digital, Analog), By Application (General Radiography, Dental, Mammography, Others), By End User (Hospitals & Clinics, Diagnostic Centers, Others), By Region, Competition Forecast and Opportunities, 2028**

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**Report description:**

The Israel X-ray imaging market is expected to show a robust growth from 2024 to 2028. The Israel X-ray imaging market helps the healthcare industry to grow due to the increasing demand for advanced medical technology and imaging services. The market is supported by the rise in aging population and an increasing incidence of chronic diseases, which has led to a rise in the demand for medical imaging services for early detection of diseases. The vast scope of the use of X-ray imaging system has also led to the increase in the demand of the X-ray imaging system providing easy access to patients for early diagnosis and treatment of the medical conditions which includes identifying fractures, infections in bones and teeth, diagnosing cavities and evaluating structures in the mouth and jaw, revealing bone tumors, measuring bone density to diagnose osteoporosis, finding evidence of pneumonia, tuberculosis, or lung cancer, signs of heart failure or changes in blood flow to the lungs and heart and also revealing problems in the digestive tract, such as kidney stones, sometimes using a contrast medium called barium.

X-ray imaging is an essential tool for diagnosing and monitoring these conditions, and as the prevalence of these diseases rises, so does the demand for X-ray imaging services. The increasing prevalence of chronic diseases such as cancer, cardiovascular diseases, and respiratory disorders has led to a rise in demand for X-ray imaging procedures. Additionally, the growing geriatric population in Israel has also contributed to the increase in demand for X-ray imaging as they are more susceptible to various diseases and require frequent medical imaging. As people age, they become more susceptible to a range of medical conditions, including bone fractures, lung disease, and cancer. X-ray imaging is an essential tool for diagnosing and monitoring these conditions, and as the population ages, the demand for X-ray imaging services is increasing. The growth to the increasing

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adoption of digital X-ray systems is mainly attributed to the rising prevalence of chronic diseases, and the growing demand for minimally invasive procedures.

#### Adoption of Digital X-ray Imaging System to Boost the Market of Israel X-ray Imaging System

One of the key drivers of the Israel X-ray imaging market is advancements in technology. Digital X-ray systems have been a major contributor to the growth of the market. These systems offer faster image processing, lower radiation exposure, and higher image quality than traditional film-based systems. As a result, healthcare providers are increasingly replacing their old X-ray equipment with digital systems, which is driving growth in the market.

Although conventional X-rays are thought to be safe, digital X-rays release 80% less radiation, which reduces the risk of developing cancer in later life. This indicates that developing problems from infrequent traditional radiation exposure is quite improbable, and it is even less likely when using the digital X-ray procedure. Considering that film is more expensive, employing digital radiography is more cost-effective than using traditional X-ray imaging systems.

Furthermore, advancements in technology and the availability of innovative X-ray imaging equipment have made the imaging process more efficient, accurate, and convenient. The government's initiatives and investments in the healthcare industry have also boosted the growth of the X-ray imaging market in Israel.

#### Rising Prevalence of Chronic Diseases

According to the Israel Ministry of Health, chronic diseases such as heart disease, cancer, and diabetes are the leading causes of death in Israel.

The United Nations Economic Commission for Europe (UNECE) reported in May 2020 that Israel's elderly population possesses some distinctive traits because of the nation's ongoing influx of immigrants from 119 nations, many of whom are Holocaust survivors and who represent a wide range of ethnic, economic, health, educational, and cultural differences. The overall population of Israel is projected to reach 12.1 million by 2035, with seniors making about 14% of that total population, or 1.9 million people. To prepare for this new reality, decision-makers are becoming increasingly conscious that this demographic shift might place new demands and stresses on public services and the society of Israel in general leading to the more demand in the healthcare facilities. Accordingly, many government resolutions and new legislation, as well as new government and ministerial work plans, take into consideration Israel's ageing population.

Diabetes, a chronic disorder that causes cardiovascular disease, blindness, renal failure, and lower limb amputation, has a disproportionately high disability burden in Israel. Diabetes affected 6.7% of adult population worldwide in 2019, according to the OECD. Additional estimates put the number of adults with undiagnosed diabetes at 39 million. According to the most recent World Health Organization (WHO) data, more than 1,000 fatalities from diabetes mellitus, or 5.44% of all deaths, occurred in Israel in 2020.

The prevalence of coronary artery disease in Israeli men and women is 7.5% and 4.1%, respectively, according to the Journal of the American Heart Association. Cardiac illnesses affect 10.2% of Israeli men and 7.1% of Israeli women. Heart diseases become more prevalent as people age; 31% of women and 42% of men over 75 years of age usually have some form of heart disease in the country. People with poor socioeconomic position suffer from cardiovascular disease significantly more often. Family history of heart disease, hypertension, hyperlipidemia, diabetes mellitus, smoking, sedentary lifestyle, and obesity are traditional risk factors for enhanced cardiovascular illnesses in the population of Israel. One of the largest challenges and opportunities is to increase national efforts to prevent heart disease. These factors are expected to continue to drive the growth of the X-ray imaging market in Israel in the coming years.

#### Growing Demand for Minimally Invasive Procedures

The Israel X-ray imaging market is also benefiting from the growing demand for minimally invasive procedures. Minimally invasive

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procedures, such as arthroscopy and laparoscopy, require advanced imaging technology to guide the surgeon and ensure the procedure is performed accurately. X-ray imaging is an important tool for these procedures, and as the demand for minimally invasive procedures increases, so does the demand for X-ray imaging services.

Advancements in medical imaging technology are also driving growth in the Israel X-ray imaging market. New imaging technologies, such as CT scans and MRI, are becoming more widely available, and are increasingly being used in combination with X-ray imaging to provide a more comprehensive view of a patient's condition. This is leading to increased demand for X-ray imaging services, as healthcare providers seek to offer their patients the best possible care.

The Israeli X-ray imaging system market is seeing a range of trends, including the shift to digital imaging, the integration of AI technology, the use of portable and mobile X-ray systems, low-dose imaging, 3D imaging, and the adoption of pay-per-use models. These trends are likely to continue as healthcare professionals seek to provide high-quality medical imaging services while also improving patient outcomes and reducing costs.

#### Development in the Technology of X-ray Imaging System

Another significant development in the Israel X-ray market is the emergence of portable and mobile X-ray systems. Portable X-ray machines are becoming increasingly popular, especially in emergency and critical care settings, where rapid and accurate diagnosis is essential. These portable X-ray systems allow healthcare professionals to perform imaging procedures at the patient's bedside, reducing the need for patient transportation and the risk of contamination. These systems are also being used in remote areas where access to healthcare facilities is limited.

The integration of artificial intelligence (AI) into X-ray imaging is also a significant development in the Israel market of X-ray Imaging System. AI algorithms are being used to analyze medical images and assist radiologists in identifying and diagnosing diseases. This technology has the potential to improve diagnostic accuracy and reduce the workload of healthcare professionals. The use of AI in X-ray imaging is still in the early stages, but it is expected to become more prevalent in the coming years.

The Israel X-ray imaging market has also seen an increase in the adoption of 3D X-ray imaging technology as they provide a more detailed and comprehensive view of the patient's anatomy, allowing for better diagnosis and treatment planning. These systems are being used in various applications, including dentistry, orthopedics, and cardiac imaging.

The innovative digital x-ray technology being developed by Israeli company Nanox is expected to revolutionize medical imaging. A digital x-ray system called Nanox.ARC, based on cathode x-ray tube technology, has been created by Nanox. The system offers high-quality images at a fraction of the expense of current x-ray equipment. The Nanox.Arc provides a full-body digital X-ray scan down to the cellular level. Nanox.Arc's also has a companion software, Nanox.Cloud, which is a cloud-based repository for all the imaging data. As soon as the Nanox.ARC secures regulatory permissions, the business hopes to start selling it. The business already has U.S. Food and Drug Administration (FDA) approval for its single-source digital x-ray system, Nanox.CART. Thus, more advancements in the technology of the X-ray imaging system are expected to boost the market of Israel X-ray imaging market in the forecast years.

#### Market Segmentation

Israel X-Ray Imaging System Market is segmented into modality, mobility, type, application, end user, regional distribution, and company. Based on the modality, the market is divided into direct radiography and computed radiography. Based on the mobility, the market is divided between stationary and mobile. Based on the type, the market is divided into digital and analog. Based on the application, the market is segmented into hospitals & clinics, diagnostic centers, and others.

#### Market Players

GE Medical Systems Israel Ltd., Philips Medical Systems Technologies Ltd., Siemens Healthineers Israel, Shimadzu Corporation, Digital Medical Systems Ltd. (Carestream Health), Nano-X Imaging Ltd., Elscint Ltd., CMT Medical Technologies Ltd., are some of the leading players operating in the Israel X-Ray Imaging System Market.

#### Report Scope:

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

□□ Israel X-Ray Imaging System Market, By Modality:

- o□ Direct Radiography
- o□ Computed Radiography

□□ Israel X-Ray Imaging System Market, By Mobility:

- o□ Stationary
- o□ Mobile

□□ Israel X-Ray Imaging System Market, By Type:

- o□ Digital
- o□ Analog

□□ Israel X-Ray Imaging System Market, By Application:

- o□ General Radiography
- o□ Dental
- o□ Mammography
- o□ Others

□□ Israel X-Ray Imaging System Market, By End User:

- o□ Hospitals & Clinics
- o□ Diagnostic Centers
- o□ Others

□□ Israel X-Ray Imaging System Market, By Region:

- o□ The Mediterranean Coastal Plain
  - o□ The Central Hills
  - o□ The Jordan Rift Valley
  - o□ The Negev Desert West
- Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Israel X-Ray Imaging 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 report:

Company Information

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

## **Table of Contents:**

- 1.□ Product Overview
  - 1.1.□ Market Definition
  - 1.2.□ Scope of the Market
    - 1.2.1.□ Markets Covered
    - 1.2.2.□ Years Considered for Study
    - 1.2.3.□ Key Market Segmentations
- 2.□ Research Methodology
  - 2.1.□ Objective of the Study
  - 2.2.□ Baseline Methodology
  - 2.3.□ Key Industry Partners

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- 2.4. Major Association and Secondary Types
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations
- 3. Executive Summary
  - 3.1. Overview of the Market
  - 3.2. Overview of Key Market Segmentations
  - 3.3. Overview of Key Market Players
  - 3.4. Overview of Key Regions/Countries
  - 3.5. Overview of Market Drivers, Challenges, and Trends
- 4. Voice of Customer
- 5. Israel X-ray Imaging System Market Outlook
  - 5.1. Market Size & Forecast
    - 5.1.1. By Value & Volume
  - 5.2. Market Share & Forecast
    - 5.2.1. By Modality (Direct Radiography, Computed Radiography)
    - 5.2.2. By Mobility (Stationary, Mobile)
    - 5.2.3. By Type (Digital, Analog)
    - 5.2.4. By Application (General Radiography, Dental, Mammography, Others)
    - 5.2.5. By End User (Hospitals & Clinics, Diagnostic Centres, Others)
    - 5.2.6. By Region
    - 5.2.7. By Company (2022)
  - 5.3. Product Market Map
    - 5.3.1. By Modality
    - 5.3.2. By Mobility
    - 5.3.3. By Type
    - 5.3.4. By Application
    - 5.3.5. By End User
    - 5.3.6. By Region
- 6. Israel Direct Radiography X-ray Imaging System Market Outlook
  - 6.1. Market Size & Forecast
    - 6.1.1. By Value
  - 6.2. Market Share & Forecast
    - 6.2.1. By Mobility (Stationary, Mobile)
    - 6.2.2. By Type (Digital, Analog)
    - 6.2.3. By Application (General Radiography, Dental, Mammography, Others)
    - 6.2.4. By End User (Hospitals & Clinics, Diagnostic Centers, Others)
- 7. Israel Computed Radiography X-ray Imaging System Market Outlook
  - 7.1. Market Size & Forecast
    - 7.1.1. By Value
  - 7.2. Market Share & Forecast
    - 7.2.1. By Mobility (Stationary, Mobile)
    - 7.2.2. By Type (Digital, Analog)
    - 7.2.3. By Application (General Radiography, Dental, Mammography, Others)
    - 7.2.4. By End User (Hospitals & Clinics, Diagnostic Centers, Others)
- 8. Market Dynamics
  - 8.1. Drivers

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- 8.2.□Challenges
- 9.□Market Trends & Developments
  - 9.1.□Recent Development
  - 9.2.□Mergers & Acquisitions
  - 9.3.□Product Launches
- 10.□Policy & Regulatory Landscape
- 11.□Porters Five Forces Analysis
  - 11.1.□Competition in the Industry
  - 11.2.□Potential of New Entrants
  - 11.3.□Power of Suppliers
  - 11.4.□Power of Customers
  - 11.5.□Threat of Substitute Products
- 12.□Israel Economic Profile
- 13.□Competitive Landscape
  - 13.1.□Business Overview
  - 13.2.□Product Offerings
  - 13.3.□Recent Developments
  - 13.4.□Financials (As Reported)
  - 13.5.□Key Personnel
  - 13.6.□SWOT Analysis
    - 13.6.1.□GE Medical Systems Israel Ltd.
    - 13.6.2.□Philips Medical Systems Technologies Ltd.
    - 13.6.3.□Siemens Healthineers Israel
    - 13.6.4.□Shimadzu Corporation
    - 13.6.5.□Digital Medical Systems Ltd. (Carestream Health)
    - 13.6.6.□Nano-X Imaging Ltd.
    - 13.6.7.□Elscint Ltd.
    - 13.6.8.□CMT Medical Technologies Ltd.
- 14.□Strategic Recommendations
- 15.□About Us & Disclaimer

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