SCOTTS INTERNATIONAL

Dental X-Ray Systems - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 111 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The Dental X-Ray Systems Market size is estimated at USD 3.86 billion in 2024, and is expected to reach USD 5.5 billion by 2029, growing at a CAGR of 7.34% during the forecast period (2024-2029).

The dental X-ray system market has been significantly impacted by the COVID-19 pandemic, particularly in its early stages. For instance, to prevent patients from overtaxing hospital emergency rooms, the American Dental Association (ADA), in March 2020 recommended that dental offices can delay elective dental procedures until April 30, 2020, and only offer emergency dental care. Later, in November 2020, the American Dental Association (ADA) firmly believed that dental care can be continued and to be delivered safely during the COVID-19 pandemic, which is due to the less prevalence of COVID-19 among healthcare workers and the public. As a result, the COVID-19 pandemic resulted in a short decline in the demand for dental operations, which affected the dental X-ray system market's expansion during this period.

The major growth drivers of the dental imaging market are the rising burden of dental diseases, technological advancements in dental imaging, and increasing demand for cosmetic dentistry. For instance, the research study titled 'Update on the prevalence of untreated caries in the US adult population, 2017-2020' published by the Journal of American Dental Association in December 2021 stated that the prevalence of coronal and root caries were 17.9% and 10.1%, respectively, and it was most prevalent in those aged 30-39 years and 40-49 years men. Thus, the high percentage prevalence of dental diseases is projected to raise the demand for dental disease diagnosis using dental X-rays, which is likely to have a beneficial effect on the growth of the studied market.

Additionally, with the increasing technological advancement in dental imaging methodologies, the players in the market are innovating and launching new products that are further expected to complement the growth of the dental X-ray system market.

For instance, in July 2021, Athlos Oy received 510(k) acceptance for DC-Air, a new generation of intraoral X-ray imaging sensors that will pave the way for the future of X-ray imaging. Therefore, due to the above-mentioned factors, the dental X-ray systems market is expected to grow over the forecast period.

However, factors such as the high cost of dental radiography systems are expected to restrain the dental X-ray systems market during the forecast period.

Dental X-Ray Systems Market Trends

Digital X-ray Systems Segment is Expected to Hold a Major Market Share in the Dental X-Ray Systems Market During the Forecast Period

The digital X-ray segment is expected to register significant growth as an increasing number of medical specialists are upgrading their analog systems to digital ones, owing to benefits, like increased speeds and flexibility. For instance, according to the report published by Ultimate Smile Design in November 2020, there are several benefits to using digital X-rays in dental practice like comfort with small sensors, short wait time, high accuracy, less environmental waste, easy file storage, and finally with less radiation exposure. These advantages over the other X-ray methods in dentistry help in the growth of the digital X-ray segment in the study period.

Furthermore, developments in artificial intelligence (AI) promote operational effectiveness and clinical consistency, which benefits digital X-rays and promotes the expansion of the digital X-ray market. For instance, in May 2022, VideaHealth received the 510(k) clearance from the United States Food and Drug Administration for Videa Caries Assist, an AI-powered dental caries (cavity) detection algorithm. Also, in April 2022, Carestream Dental introduced CBCT imaging, the Neo Edition of the CS 8200 3D Family. Thus, owing to the advantages and new technology developments in the digital X-ray segment, the market is expected to register a significant share and growth during the forecast period.

North America is Expected to Hold a Significant Share in the Market During the Forecast Period

North America is expected to hold a major market share in the dental x-ray systems market. The primary factors behind the large market size are high awareness among the patient population and high replacement rates of medical technologies.

According to the American Dental Association (2020), over 5 million Americans aged 65 to 74 had lost all their teeth, with nearly 3 million being edentulous, which was majorly due to dental caries. These can be easily ruled out using a dental X-ray. Additionally, several industry participants are involved in strategic initiatives along with approvals and launches. For instance, in March 2022, Pearl, the leader in dental AI solutions, received the United States Food and Drug Administration (FDA) clearance for its AI-powered, real-time pathology detection solution Second Opinion, to help dentists accurately identify a broad range of common dental conditions in patient X-rays. Also, in August 2021, Surround Medical Systems received 510(k) pre-market clearance from the United States Food and Drug Administration for the patented PORTRAY dental imaging system.

Therefore, due to the above-mentioned factors, the dental X-ray systems market is expected to grow in the United States over the forecast period of the study.

Dental X-Ray Systems Industry Overview

The dental X-ray systems market is fragmented in nature due to the presence of several companies operating globally. The major players include Air Techniques, Inc., Carestream Dental LLC., LargeV Instrument Corp., Ltd., ACTEON, 3Shape A/S, PLANMECA OY, Dentsply Sirona, VATECH, THE YOSHIDA DENTAL MFG. CO., LTD., and ASAHIROENTGEN IND.CO., LTD.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

5.3.1.2 Canada
5.3.1.3 Mexico
5.3.2 Europe
5.3.2.1 Germany
5.3.2.2 United Kingdom
5.3.2.3 France
5.3.2.4 Italy
5.3.2.5 Spain
5.3.2.6 Rest of Europe
5.3.3 Asia-Pacific
5.3.3.1 China
5.3.3.2 Japan
5.3.3.3 India
5.3.3.4 Australia
5.3.3.5 South Korea
5.3.3.6 Rest of Asia-Pacific
5.3.4 Middle East and Africa
5.3.4.1 GCC
5.3.4.2 South Africa
5.3.4.3 Rest of Middle East and Africa
5.3.5 South America
5.3.5.1 Brazil
5.3.5.2 Argentina
5.3.5.3 Rest of South America

6 COMPETITIVE LANDSCAPE
6.1 Company Profiles
6.1.1 Air Techniques, Inc.
6.1.2 Carestream Dental LLC.
6.1.3 LargeV Instrument Corp., Ltd.
6.1.4 ACTEON
6.1.5 3Shape A/S
6.1.6 PLANMECA OY
6.1.7 Dentsply Sirona
6.1.8 VATECH
6.1.9 THE YOSHIDA DENTAL MFG. CO., LTD.
6.1.10 ASAHIROENTGEN IND.CO.,LTD.
6.1.11 Meditrix
6.1.12 IATOME ELECTRIC

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

SCOTTS INTERNATIONAL

Dental X-Ray Systems - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 111 pages | Mordor Intelligence

To place an Order with Scotts International:
- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-02-26
		Signature	

Scotts International. EU Vat number: PL 6772247784
tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com