

Dental Extraoral CBCT Market By Application (Dental implants, Orthodontics, Endodontic, Others) , By End User (Hospitals, Dental clinics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

Dental Extraoral CBCT Market

The dental extraoral CBCT market was valued at \$0.8 billion in 2023 and is projected to reach \$2.0 billion by 2033, growing at a CAGR of 9.2% from 2024 to 2033.

Dental extraoral cone beam computed tomography (CBCT) is a 3D imaging system that captures the volumetric data of craniofacial complex, comprising teeth, sinuses, jawbones, and surrounding anatomical structures. The high-resolution imaging capabilities of CBCT provide elaborative details about patients' dental systems, enhancing the efficacy of treatment planning and outcomes. Dental extraoral CBCT finds applications during implant planning, oral & maxillofacial surgeries, endodontics, orthodontics, and temporomandibular joint analysis. The key benefits of dental extraoral CBCT include enhanced diagnostic precision, extensive visualization, and effective treatment planning.

Increase in awareness regarding the importance of oral health has boosted the demand for innovative diagnostic measures, driving the growth of the dental extraoral CBCT market. In addition, innovations in technologies such as low exposure to radiation and improved software for image evaluation propel the development of the market. Furthermore, the versatility of CBCT to be utilized in various fields of dentistry augments the market growth significantly. A notable trend gaining prominence in the market is the assimilation of AI and ML algorithms into the CBCT image analysis software. This

assimilation facilitates predictive analytics for dental diseases by assessing the oral images, thereby enhancing the success ratio for implants and surgeries.

However, high cost of procuring and maintaining the equipment deters various small-scale dental facilities from purchasing, thus restraining the development of the market. Moreover, concerns pertaining to radiation exposure among a large segment of individuals, despite the low radiation utility by CBCT, hamper the market growth. In addition, the operation of CBCT equipment requires skilled professionals, lack of which hinders the market development. On the contrary, as the population suffering from some form of oral disorder grows exponentially, the dental extraoral CBCT market is anticipated to witness several lucrative opportunities. According to WHO, approximately 45% of the global population suffers from oral diseases, with tooth loss, dental caries, and oral cancers being the most prevalent. This boosts the utility of imaging techniques for early diagnosis and proactive treatments, hence opening new avenues for the market.

Segment Review

The dental extraoral CBCT market is segmented into application, end user, and region. On the basis of application, the market is divided into dental implants, orthodontics, endodontic, and others. Depending on end user, it is classified into hospitals, dental clinics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of application, the dental implants segment dominated the market in 2023.

Depending on end user, the dental clinics segment acquired a high stake in the market in 2023.

Region wise, North America was the highest revenue generator in 2023.

Competition Analysis

The leading players operating in the global dental extraoral CBCT market include Carestream Health, Dentsply Sirona, FONA Dental, Gendex, Imaging Sciences International, LLC, J. MORITA MFG.CORP, KaVo Dental GmbH, NewTom, Planmeca OY, and Integra LifeSciences. These major players have adopted various key

development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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Expanded list for Company Profiles

Historic market data

SWOT Analysis

Key Market Segments

By Application

Dental implants

Orthodontics

Endodontic

Others

By End User

Hospitals

Dental clinics

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

Carestream Health

Dentsply Sirona

FONA Dental

Gendex

Imaging Sciences International, LLC

J.MORITA MFG.CORP

KaVo Dental GmbH

NewTom

Planmeca OY

Integra LifeSciences

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