

Dental Intraoral Sensor Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Report | 2025-05-28 | 100 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

Report description:

The Global Dental Intraoral Sensor Market was valued at USD 394.5 million in 2024 and is estimated to grow at a CAGR of 7.7% to reach USD 821.3 million by 2034. Growth in this market is being fueled by the rising number of dental conditions that require accurate diagnostics, coupled with an expanding elderly population. As people age, they become more prone to oral health concerns such as tooth decay, periodontal disease, and oral cancer. This population shift is driving a strong demand for precise, fast, and reliable dental imaging tools. Intraoral sensors offer detailed imaging capabilities with minimal radiation exposure, helping dental professionals diagnose and manage conditions more efficiently.

This market involves the production and commercialization of digital sensors designed to capture X-ray images within the mouth. These devices are now integral to modern dental imaging systems, offering immediate, high-quality results with lower exposure risks. Recent advancements in sensor technology have focused on compact designs, improved resolution, and seamless integration with dental software. These enhancements have not only improved diagnostic accuracy but also elevated the quality of care and patient comfort, establishing intraoral sensors as essential tools in dental practices globally.

Wired intraoral sensors segment held the largest share in 2024, accounting for USD 241.6 million. These sensors remain the preferred choice in private clinics and institutional settings due to their dependable performance, clear imaging, and cost-effectiveness. Unlike wireless options, which may face challenges like limited battery life or inconsistent connectivity, wired sensors provide steady operation and require minimal maintenance. Their compatibility with standard dental systems and lower price point makes them a practical upgrade for smaller practices and facilities transitioning to digital imaging.

The restorative dentistry segment represented 38.6% share in 2024 and is projected to generate USD 309.5 million by 2034. This segment addresses widespread dental issues such as tooth loss, cavities, and damaged teeth. The high demand for accurate and time-efficient treatments has increased the reliance on intraoral sensors in restorative procedures. These sensors contribute to more precise imaging, which leads to better treatment planning, reduced chair time, and more efficient dental restoration outcomes.

United States Dental Intraoral Sensor Market was valued at USD 158.2 million, driven by the rising prevalence of dental problems and robust innovation across the healthcare landscape. The country has one of the most technologically advanced dental

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

industries, with practitioners quick to implement state-of-the-art imaging systems that improve patient outcomes. Additionally, U.S.-based research institutions and manufacturers play a critical role in developing and commercializing cutting-edge dental diagnostic devices, further propelling market growth.

Key players in the Global Dental Intraoral Sensor Market include Owandy Radiology, Denti Max, Midmark, Durr Dental, Acteon, XDR Radiology, Carestream Dental, Vatech, Xpect Vision, Planmeca, KaVo Dental, Dentsply Sirona, Cefla, and Freedom Technologies Group. To strengthen their market position, leading dental intraoral sensor manufacturers are prioritizing product innovation, focusing on miniaturization, enhanced resolution, and AI-powered imaging analysis. Many are expanding their global footprint through strategic partnerships with distributors and regional dental chains. Companies are also investing in R&D to introduce sensors that offer better software integration, reduced radiation exposure, and cloud-based data storage.

□

Table of Contents:

Report Content

Chapter 1 Methodology and Scope

- 1.1 Market scope and definition
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
 - 1.3.1 Base year calculation
 - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
 - 1.5.2 Data mining sources

Chapter 2 Executive Summary

- 2.1 Industry 360 synopsis

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Increasing prevalence of dental disorders
 - 3.2.1.2 Growing demand for restorative dental procedures
 - 3.2.1.3 Rising oral health awareness
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 High initial cost and maintenance
 - 3.2.2.2 Regulatory and reimbursement challenges
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Technology landscape
- 3.6 Future market trends
- 3.7 Porter's analysis
- 3.8 PESTEL analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Chapter 4 Competitive Landscape, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix
- 4.6 Strategy dashboard

Chapter 5 Market Estimates and Forecast, By Product, 2021 - 2034 (\$ Mn)

- 5.1 Key trends
- 5.2 Wired intraoral sensors
- 5.3 Wireless intraoral sensors

Chapter 6 Market Estimates and Forecast, By Application, 2021 - 2034 (\$ Mn)

- 6.1 Key trends
- 6.2 Restorative dentistry
- 6.3 Orthodontics
- 6.4 Implantology
- 6.5 Other applications

Chapter 7 Market Estimates and Forecast, By End Use, 2021 - 2034 (\$ Mn)

- 7.1 Key trends
- 7.2 Dental hospitals
- 7.3 Dental clinics
- 7.4 Dental academic and research institutes

Chapter 8 Market Estimates and Forecast, By Region, 2021 - 2034 (\$ Mn)

- 8.1 Key trends
- 8.2 North America
 - 8.2.1 U.S.
 - 8.2.2 Canada
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.2 UK
 - 8.3.3 France
 - 8.3.4 Italy
 - 8.3.5 Spain
 - 8.3.6 Netherlands
- 8.4 Asia Pacific
 - 8.4.1 China
 - 8.4.2 Japan
 - 8.4.3 India
 - 8.4.4 Australia
 - 8.4.5 South Korea
- 8.5 Latin America
 - 8.5.1 Brazil

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.5.2 Mexico
- 8.5.3 Argentina
- 8.6 Middle East and Africa
 - 8.6.1 South Africa
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE

Chapter 9 Company Profiles

- 9.1 Acteon
- 9.2 Carestream Dental
- 9.3 Cefla
- 9.4 Denti Max
- 9.5 Dentsply sirona
- 9.6 Durr Dental
- 9.7 Freedom Technologies Group
- 9.8 KaVo Dental
- 9.9 Midmark
- 9.10 Owandy Radiology
- 9.11 Planmeca
- 9.12 Vatech
- 9.13 XDR Radiology
- 9.14 Xpect Vision

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Dental Intraoral Sensor Market Opportunity, Growth Drivers, Industry Trend
Analysis, and Forecast 2025 - 2034**

Market Report | 2025-05-28 | 100 pages | Global Market Insights

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	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		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*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-16"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

