

Endodontics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Endodontics Market was valued at USD 1.5 billion in 2024 and is estimated to grow at a CAGR of 5.4% to reach USD 2.5 billion by 2034. This market momentum is primarily driven by rising awareness of oral health, a growing elderly population, and a higher incidence of dental conditions. As more people prioritize dental preservation over extraction, the demand for root canal therapy has seen significant growth. The shift in patient preference toward keeping natural teeth, combined with the increase in general and specialized dental clinics, is supporting this trend.

Over the years, endodontic procedures have evolved with the help of new technologies. Improvements in diagnostic tools, such as 3D imaging systems, have made root canal treatments more accurate and efficient. At the same time, materials used in these procedures have also advanced significantly. The development of bioactive and biocompatible materials has minimized complications and improved overall patient outcomes. Researchers are working on materials that better align with biological systems, helping clinicians achieve improved sealing, antibacterial performance, and reduced reinfections. Procedures have also become more streamlined, thanks to innovations like machine-assisted systems and regenerative options that aim to go beyond traditional mechanical methods.

In 2023, the market was valued at USD 1.45 billion. It is segmented by type into consumables and instruments. Consumables led the segment with a total revenue of USD 902.7 million in 2024, highlighting the growing need for items used in each procedure. These include files and shapers, obturation materials, solutions and lubricants, among others. Instruments such as motors, apex locators, scalers, and machine-assisted obturation systems make up the other half of the market. Consumables are frequently used across various stages of endodontic procedures,

making them a crucial part of the supply chain. With rising oral health cases like cavities and pulp infections, the demand for these products continues to grow.

Dental professionals are also favoring single-use items, especially for infection control. Items like pre-sterilized gutta percha, disposable syringes, and files are being widely adopted by dental practices to enhance patient safety. This has led to better hygiene standards, reducing the risk of cross-contamination and making treatments more reliable. Additionally, the increasing use of disinfectants and irrigation solutions has supported the demand for more diverse consumables in each root canal treatment.

The popularity of advanced materials like bioceramic-based sealers is rising, as these options provide compatibility with the body's systems and offer antibacterial advantages. Such innovations have boosted the success rates of treatments and streamlined procedural workflows. These products play a key role in improving the overall patient experience, thereby reinforcing the demand for consumables used in endodontics.

Based on end use, the market is divided into dental clinics, dental hospitals, and other settings. Dental clinics took the lead in 2024, holding a 65.1% market share, and are forecasted to hit USD 1.6 billion by 2034. Clinics have seen growing patient inflow as they offer accessible and cost-effective services, particularly for root canal treatments. Increased awareness around preserving natural teeth and growing incidences of tooth decay have led patients to seek timely intervention at clinics instead of opting for extraction or visiting specialized centers.

The expansion of general and specialist dental clinics has also contributed to the rise in demand. These clinics are equipped to manage a wide variety of patient needs, especially endodontic services, which helps them maintain a steady flow of patients. Furthermore, the availability of dental insurance coverage in several countries has made it easier for people to choose root canal treatments without worrying about the cost, further boosting the market.

North America dominated the global market in 2024, accounting for a 49.1% share. The US alone recorded USD 612.5 million in revenue and is expected to grow at a CAGR of 5.6% through 2034. In 2023, the US endodontics market was valued at USD 592.5 million. Innovations in diagnostic tools and treatment instruments, such as 3D imaging and rotary files, have made procedures faster and more comfortable for patients, encouraging more individuals to seek treatment.

Regular training sessions for dental professionals and the growing adoption of digital tools and AI systems in practices are significantly advancing procedural efficiency. Many general dentists can now perform root canal procedures themselves, reducing dependency on specialists and fueling further market growth. Major players, which control around 30% of the total market, are investing heavily in R&D to stay ahead. At the same time, smaller and regional businesses are forming partnerships with secondary-tier clinics to gain visibility. Cost-effective operating models also allow these companies to stay competitive while offering quality care solutions.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates & 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 diseases
 - 3.2.1.2 Technological advancements in endodontic instruments
 - 3.2.1.3 Rising awareness towards oral hygiene and growing dental tourism
 - 3.2.2 Industry pitfalls & challenges
 - 3.2.2.1 High risk associated with root canal treatment
 - 3.2.2.2 Dearth of skilled professionals in developing countries
- 3.3 Growth potential analysis
- 3.4 Technological landscape
- 3.5 Supply chain analysis
- 3.6 GAP analysis
- 3.7 Regulatory landscape
 - 3.7.1 U.S.
 - 3.7.2 Europe
- 3.8 Trump administration tariffs

- 3.8.1 Impact on trade
 - 3.8.1.1 Trade volume disruptions
 - 3.8.1.2 Retaliatory measures
- 3.8.2 Impact on the industry
 - 3.8.2.1 Supply-side impact (raw materials)
 - 3.8.2.1.1 Price volatility in key materials
 - 3.8.2.1.2 Supply chain restructuring
 - 3.8.2.1.3 Production cost implications
 - 3.8.2.2 Demand-side impact (selling price)
 - 3.8.2.2.1 Price transmission to end markets
 - 3.8.2.2.2 Market share dynamics
 - 3.8.2.2.3 Consumer response patterns
- 3.8.3 Key companies impacted
- 3.8.4 Strategic industry responses
 - 3.8.4.1 Supply chain reconfiguration
 - 3.8.4.2 Pricing and product strategies
 - 3.8.4.3 Policy engagement
- 3.8.5 Outlook and future considerations
- 3.9 Porter's analysis
- 3.10 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company matrix analysis
- 4.3 Company market share 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 TYPE, 2021 - 2034 (\$ MN)

- 5.1 Key trends
- 5.2 Consumables
 - 5.2.1 Files and shapers
 - 5.2.2 Obturation materials
 - 5.2.3 Solutions and lubricants
 - 5.2.4 Other consumables
- 5.3 Instruments

- 5.3.1 Motors
- 5.3.2 Apex locators
- 5.3.3 Scalers
- 5.3.4 Machine assisted obturation systems
- 5.3.5 Other instruments

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 - 2034 (\$ MN)

- 6.1 Key trends
- 6.2 Dental clinics
- 6.3 Dental hospitals
- 6.4 Other end use

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 - 2034 (\$ MN)

- 7.1 Key trends
- 7.2 North America
 - 7.2.1 U.S.
 - 7.2.2 Canada
- 7.3 Europe
 - 7.3.1 Germany
 - 7.3.2 UK
 - 7.3.3 France
 - 7.3.4 Spain
 - 7.3.5 Italy
 - 7.3.6 Netherlands
- 7.4 Asia Pacific
 - 7.4.1 China
 - 7.4.2 Japan
 - 7.4.3 India
 - 7.4.4 Australia
 - 7.4.5 South Korea
- 7.5 Latin America
 - 7.5.1 Brazil
 - 7.5.2 Mexico
 - 7.5.3 Argentina
- 7.6 Middle East and Africa

- 7.6.1 South Africa
- 7.6.2 Saudi Arabia
- 7.6.3 UAE

CHAPTER 8 COMPANY PROFILES

- 8.1 Brasseler USA
- 8.2 COLTENE Group
- 8.3 Dentsply Sirona
- 8.4 DiaDent
- 8.5 EdgeEndo
- 8.6 Envista Holding
- 8.7 Essential Dental Systems
- 8.8 FKG Dentaire SA
- 8.9 Ivoclar Vivadent
- 8.10 Kerr Corporation
- 8.11 MANI
- 8.12 Septodont Holding
- 8.13 Shenzhen Perfect Medical Instruments
- 8.14 Ultradent Products
- 8.15 VDW GmbH

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