

# **United States Dental Laser Market Assessment, By Product Type [Soft Tissue Dental Laser, All Tissue Dental Laser, Dental Welding Laser, Others], By Application [Endodontic Treatment, Conservative Dentistry, Oral Surgery, Implantology, Peri-Implantitis, Periodontics, Tooth-Whitening], By End-user [Hospital, Dental Clinics, Others], By Region, Opportunities and Forecast, 2016-2030F**

<https://marketpublishers.com/r/UF2715E3AB19EN.html>

Date: February 2025

Pages: 121

Price: US\$ 3,300.00 (Single User License)

ID: UF2715E3AB19EN

## **Abstracts**

United States Dental Laser Market size was valued at USD 134 million in 2022 and is expected to reach USD 217.26 million in 2030 with a CAGR of 6.11% for the forecast period between 2023 and 2030. The United States dental laser market is undergoing a period of remarkable newness, revolutionizing the field of dentistry with innovative technologies and approaches. Dental lasers have emerged as cutting-edge tool in oral healthcare, bringing a host of advantages over traditional instruments and techniques. This newness is transforming the way dental procedures are conducted, offering enhanced precision, efficiency, and patient comfort.

One significant aspect of the United States dental laser market is the increasing adoption of minimally invasive techniques, another emerging trend is the integration of digital dentistry with dental lasers. Digital imaging technologies, such as cone-beam computed tomography (CBCT), are now being combined with dental lasers to enhance treatment planning and precision. Moreover, there is newness in the expanding range of applications for dental lasers. Initially, dental lasers were primarily used in soft tissue procedures, such as gum contouring and periodontal treatments. However, with advancements in technology, dental lasers are now being utilized in hard tissue

applications as well, including cavity preparation, root canal disinfection, and even bone surgeries. As dental lasers continue to evolve and innovate, the future holds even more exciting possibilities for the United States dental laser market.

For Example, new development in the United States dental laser market is the introduction of the Solea® dental laser by Convergent Dental. The Solea laser is a CO<sub>2</sub> dental laser system that offers a unique combination of cutting, ablation, and hemostasis capabilities for both hard and soft tissue procedures. The Solea laser stands out for its ability to perform virtually anesthesia-free and blood-free procedures, making it a game-changer in dental care.

### Aesthetic Gingival Re-Contouring and Crown Lengthening

Aesthetic gingival re-contouring and crown lengthening are two important applications of dental lasers in the United States dental laser market. These procedures are aimed at improving the appearance and symmetry of the gums, enhancing the overall aesthetics of the smile. Dental lasers provide several benefits for aesthetic gingival re-contouring and crown lengthening procedures, including minimal bleeding, reduced post-operative discomfort, and faster healing. Additionally, the precision and control offered by lasers allow for highly accurate treatment outcomes, ensuring optimal aesthetic results. These factors contribute to the increasing adoption of dental lasers for aesthetic gingival re-contouring and crown lengthening in the United States dental laser market.

There is a growing use of computer-aided design and manufacturing (CAD/CAM) technology to create custom dental restorations. CAD/CAM technology can be used to create crowns, bridges, and other dental restorations that are perfectly matched to the patient's teeth. This can help to improve the overall appearance of the teeth and gums.

### Technological Advancement

The dental laser market has witnessed remarkable technological advancements in recent years, revolutionizing the field of dentistry. Advanced laser systems designed specifically for dental procedures have emerged, offering numerous benefits over traditional methods. These lasers provide precise control, allowing dentists to target specific areas with minimal damage to surrounding tissues. Additionally, they offer improved patient comfort, reducing pain, swelling, and the need for anesthesia in some cases. The advent of lasers has also enabled faster healing times and reduced post-operative complications. Furthermore, technological advancements have led to the development of versatile lasers capable of performing a wide range of procedures,

including gum treatments, cavity preparations, and teeth whitening. With ongoing research and innovation, the dental laser market continues to push boundaries, providing dentists with powerful tools to deliver effective and minimally invasive treatments for their patients.

### Increasing Incidence of Oral Disorders

The United States dental laser market is influenced by the increasing incidence of oral diseases. The prevalence of oral conditions such as dental caries (cavities), periodontal diseases, and oral cancers is rising, creating a growing need for effective treatment options. Dental lasers offer precise and minimally invasive solutions for various oral diseases, allowing for targeted tissue removal, disinfection, and improved healing. With their ability to reduce patient discomfort and enhance treatment outcomes, dental lasers are increasingly being adopted by dental professionals to address the rising incidence of oral diseases in the United States. Nearly 55% of the children aged between 12 to 19 years suffers from dental caries and 13% of them are untreated carries.

### Soft Tissue Dental Laser Gaining Traction

Particularly soft tissue surgery and laser dentistry have seen significant adoption in recent years. The total number of installations of dental lasers, particularly soft-tissue lasers, has increased significantly as a result of significant cost decreases for dental lasers as well as the increasing acceptance of CAD/CAM, amongst other causes. A new advancement in soft-tissue surgery that is based on current knowledge of the mechanics behind contact soft-tissue surgery and laser-tissue interactions will raise the calibre and consistency of laser soft-tissue surgery. Recently developed diode-laser technology allows for improved management of adverse effects brought on by tissue heating and may increase the results of soft-tissue surgery. For instance, Biolase Epic Hygiene is a diode laser system that is FDA-cleared for laser bacterial reduction (LBR). It is designed to help hygienists treat early-stage periodontal disease and gingivitis.

### Hospitals Segment Shows Significant Growth

In the United States dental laser market, hospitals are expected to show significant growth compared to other settings. Hospitals have the advantage of offering comprehensive dental care under one roof, attracting patients seeking specialized treatments and complex procedures. With the increasing adoption of dental lasers in hospital settings, patients can benefit from advanced dental technology and expertise available in these facilities. Additionally, hospitals often have a wider patient base and

established referral networks, providing them with opportunities to perform a higher volume of dental laser procedures. The growth of hospitals in the United States dental laser market is driven by their ability to provide advanced dental care and cater to a diverse range of patient needs.

### Insurance Coverage and Reimbursement Policies

Insurance coverage and reimbursement policies for dental laser practices in the United States vary depending on the insurance provider and specific plan. Some dental insurance plans may cover certain dental laser procedures, while others may consider them elective or cosmetic and offer limited coverage. Reimbursement rates for dental laser treatments may also vary. Dental professionals and patients are advised to check with their insurance providers to understand the coverage and reimbursement policies for dental laser procedures, ensuring appropriate billing and reimbursement for these treatments. Delta Dental, a dental insurance company in the United States claims that 82% of adults believe in the significance of having dental insurance for the betterment of their oral health.

### Impact of COVID-19

The COVID-19 pandemic had a notable impact on the United States dental laser market. The dental industry faced significant challenges due to temporary closures, restrictions on elective procedures, and patients' reluctance to seek dental care during the height of the pandemic. These factors led to a decline in the adoption and utilization of dental laser systems.

The implementation of infection control measures and the need to minimize aerosol-generating procedures also affected the market. Dental lasers, known for their minimally invasive nature and reduced aerosol production, gained attention as a safer option for certain procedures during the pandemic. However, the overall market demand was hampered by the financial strains faced by dental practices and the prioritization of essential treatments over elective procedures. Major players in the dental laser market responded to the pandemic by providing educational resources, virtual training, and guidance on infection control practices. They also focused on product innovations to enhance safety features and expand the applications of dental lasers.

### Key Player Landscape and Outlook

The United States dental laser market is highly competitive and comprises several key

players operating in the industry. Some of the prominent companies in the market include Biolase, AMD Lasers, Convergent Dental, Dentsply Sirona. These key players are focused on product development, technological advancements, and strategic partnerships to strengthen their market position. They are investing in research and development to introduce innovative laser systems with enhanced features and expanded treatment capabilities. Additionally, these companies are actively engaged in marketing initiatives, professional training programs, and collaborations with dental professionals to increase awareness and adoption of dental laser technology. Companies are also focussing on enhancing their user experience simplify the purchasing process by introducing applications and other e-commerce options. For example, in March 2023, Biolase, a leader in dental lasers, launched an e-commerce portal for its customers in United States so that the practitioners are able to quickly locate the product and also remain updated on the most preferred or popular items in trend.

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\*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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