

# **Dental Lasers Market Forecasts to 2034 – Global Analysis By Type (Dental Welding Laser, Soft Tissue Dental Lasers and All Tissue Dental Lasers), Application (Conservative Dentistry, Oral Surgery, Endodontic Treatment, Implantology, Periodontics, Peri-Implantitis and Tooth Whitening), End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Dental Lasers Market is accounted for \$478.6 million in 2026 and is expected to reach \$996.5 million by 2034 growing at a CAGR of 9.6% during the forecast period. Dental lasers are devices that emit a focused beam of light, which is used during a dental treatment operation to remove or shape tissue. Dental lasers have made quick, painless dental procedures possible. The use of dental lasers has several benefits, including less anaesthetic use, faster operation times, and increased patient comfort owing to reduced post-operative discomfort, bleeding, and morbidity.

According to the Globocan Project, 300,373 oral cancer and lip cancer cases were recorded worldwide in 2012.

Market Dynamics:

Driver:

Growing preference for minimally invasive procedures

Patients seek dental interventions with reduced discomfort and a faster recovery. Dental

Lasers, known for their precision and ability to perform procedures without causing extensive tissue damage, align perfectly with this demand. Their capacity to execute various treatments, including gum surgeries and cavity preparations, with minimal pain and enhanced precision meets patients' preferences for less invasive options. Consequently, the rising emphasis on minimally invasive procedures significantly propels the adoption of dental lasers, driving market growth.

Restraint:

High cost of dental lasers

Acquiring and installing laser equipment involves substantial initial investment, posing a financial challenge for many dental practices, particularly smaller or independent clinics with limited budgets. This expense includes not only the purchase of the equipment but also installation, training, and maintenance costs. The substantial upfront investment often acts as a barrier to entry, hindering widespread adoption and accessibility of dental lasers among practitioners and limiting their incorporation into routine dental procedures.

Opportunity:

Surge in geriatric population

Personalised dental care is necessary as oral health problems become more prevalent as people age. Dental lasers, renowned for their precision and minimally invasive capabilities, align perfectly with the needs of the elderly. These advanced technologies offer tailored solutions for age-related dental conditions, providing less discomfort and faster recovery. Addressing oral health concerns in the geriatric population through advanced technologies like dental lasers presents a substantial opportunity for market growth and improving oral care outcomes among older individuals.

Threat:

Disadvantages associated with use of dental laser

Some dentists and patients may have concerns about the limitations or drawbacks of these technologies, including the high initial costs, regulatory uncertainties, and the need for specialised training. Moreover, misconceptions about potential adverse effects or uncertainties regarding the efficacy of dental lasers compared to conventional

methods might deter their widespread adoption. As a result, it will hamper market growth.

### Covid-19 Impact

The COVID-19 pandemic had a detrimental impact on dental laser market progress. The reason for this is that fewer treatments were provided as a result of non-emergency appointments being cancelled and other dental clinics being temporarily closed, which negatively impacted the dentistry industry overall. Furthermore, dental laser technologies became less necessary as routine care and preventive treatments were limited to emergency and urgent cases. Thus, these challenges created a slowdown in the market's expansion, impacting the overall adoption rate of dental lasers

The soft tissue dental lasers segment is expected to be the largest during the forecast period

The soft tissue dental lasers segment is estimated to hold the largest share. These lasers are specifically designed to target gum tissues and oral soft structures, offering precise and minimally invasive solutions for various dental procedures. They excel in gum reshaping, treating periodontal diseases, performing gum surgeries, and addressing soft tissue lesions. These lasers provide notable advantages, including reduced bleeding, minimal discomfort, and faster healing times for patients. Their ability to precisely target soft tissues while preserving surrounding healthy structures makes them a preferred choice among dental practitioners.

The oral surgery segment is expected to have the highest CAGR during the forecast period

The oral surgery segment is anticipated to have lucrative growth during the forecast period. Dental lasers offer precise and minimally invasive solutions for oral surgeries, including gum surgeries, soft tissue biopsies, frenectomies, and periodontal treatments. The use of lasers in oral surgery minimises bleeding, reduces discomfort, and promotes faster healing compared to traditional methods. Moreover, their ability to precisely target tissues while preserving adjacent healthy structures makes dental lasers an integral tool for oral surgeons, enhancing surgical precision, patient comfort, and overall treatment outcomes.

Region with largest share:

Asia Pacific commanded the largest market share during the extrapolated period due to changes in lifestyle and an increase in the frequency of dental diseases. Moreover, the area has emerged as a hub for dental lasers because of its sizable and expanding geriatric population, diverse patient base, and comparatively cheaper dental care prices when compared to developed nations. In addition, due to rise in R&D activities as well as the well-established presence of domestic companies in the region are expected to provide notable opportunities for market growth.

#### Region with highest CAGR:

Europe is expected to witness profitable growth over the projection period because of the growing adoption of advanced dental technologies and the presence of major market players. Furthermore, according to the Division of Oral Health, National Center for Chronic Disease Prevention and Health Promotion, data updated in December 2020, nearly half (46%) of all adults aged 30 years or older show signs of gum disease; severe gum disease affects about 9% of adults. This prevalence of oral infectious is expected to drive the market in the region. Several companies are continuously working on approval for dental lasers, which is also one of the driving factors for market growth.

#### Key players in the market

Some of the key players in the Dental Lasers Market include Shenzhen Mindray Bio-Medical Electronics Co., Ltd., CryoLife, Inc., Fotona, Ellex Medical, Carl Zeiss AG, Danaher, Lumenis, Koninklijke Philips N.V., IPG Photonics Corporation, Dentsply Sirona, AMD Lasers, Inc., BIOLASE, Inc., THE YOSHIDA DENTAL MFG. CO., LTD., Gigaalaser, C.A.O. Group, Inc., Han's Laser Technology Industry Group Co., Ltd, KaVo Dental, A.R.C. Laser GmbH, Den-Mat Holdings, L.L.C. and Sisma SpA.

#### Key Developments:

In February 2023, BIOLASE Inc., a dental laser consortium, introduced an e-commerce platform called the store.biolase.com in the U.S. market to gain a competitive edge and increase its revenue growth. This platform offers a modern shopping experience and provides a wide array of products, ease of use, and convenience to customers.

In October 2022, Convergent Dental, Inc., the power behind the Solea All-Tissue Dental Laser, received the U.S. FDA clearance for a new, exclusive indication. Solea is now the first and only laser that is cleared to aid in the reduction of mineral loss in dental enamel, helping to protect teeth against the effects of acid attack and resulting caries

development (cavities).

In January 2022, Biolase Inc., a U.S.-based leading dental lasers manufacturing company launched a new laser assisted microfluidic irrigation device. The company has claimed that this product will offer new age advanced cleaning and disinfection technique with its cutting-edge solution. Also, this product received FDA 510(K) clearance for endodontists application.

#### Types Covered:

Dental Welding Laser

Soft Tissue Dental Lasers

All Tissue Dental Lasers

#### Applications Covered:

Conservative Dentistry

Oral Surgery

Endodontic Treatment

Implantology

Periodontics

Peri-Implantitis

Tooth Whitening

#### End Users Covered:

Dental Clinics

Hospitals

## Regions Covered:

### North America

US

Canada

Mexico

### Europe

Germany

UK

Italy

France

Spain

Rest of Europe

### Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market

estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

#### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

##### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

##### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

##### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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