

United States Ophthalmic Lasers Market By Product (Diode Lasers, Femtosecond Lasers, Excimer Lasers, Nd:YAG Lasers, SLT Lasers, Others), By Application (Glaucoma, Cataract Removal, Refractive Error Correction, Diabetic Retinopathy, Age-related Macular Degeneration (AMD), Others), By End Use (Outpatient Facilities, Inpatient Facilities), By Region, Competition, Forecast & Opportunities, 2020-2030F

<https://marketpublishers.com/r/U41332400143EN.html>

Date: May 2025

Pages: 84

Price: US\$ 3,500.00 (Single User License)

ID: U41332400143EN

Abstracts

Market Overview

The United States Ophthalmic Lasers Market was valued at USD 446.31 Million in 2024 and is anticipated to reach USD 608.61 Million by 2030, growing at a CAGR of 5.28%. This market is witnessing steady growth due to the increasing prevalence of vision-related conditions such as glaucoma, cataracts, age-related macular degeneration, and diabetic retinopathy. As the population continues to age, demand for precise, minimally invasive treatments is on the rise, positioning ophthalmic lasers as a preferred solution. These devices provide accuracy, quicker recovery, and reduced discomfort, making them suitable for both diagnostics and surgery. The market is further supported by rising healthcare investments, expanding eye care facilities, and advancements in laser technologies including femtosecond lasers and pattern scanning systems. Additionally, growing use in procedures like LASIK and cataract surgeries and the increasing availability of AI-integrated and compact laser systems are fostering wider adoption across the U.S.

Key Market Drivers

Rising Prevalence of Ophthalmic Disorders

The growing number of individuals affected by eye-related diseases is a core driver of the United States Ophthalmic Lasers Market. With a larger aging population, conditions such as cataracts, glaucoma, and macular degeneration are becoming more widespread, necessitating effective laser-based treatments. The demand for laser procedures like FLACS and LASIK is growing in response to this trend. Data from the CDC indicates that around 12 million Americans aged 40 and above suffer from visual impairments, many caused by cataracts or refractive issues. Furthermore, modern lifestyle factors are contributing to a rise in conditions like myopia and astigmatism, boosting the need for corrective laser surgeries. An increase in diabetic retinopathy cases, driven by rising diabetes prevalence, is also amplifying the demand for retinal laser treatments. Enhanced awareness and the advantages of laser-based procedures are encouraging more widespread use of these technologies across the country.

Key Market Challenges

High Cost of Laser Systems and Procedures

The significant expense involved in acquiring and maintaining ophthalmic laser systems remains a major obstacle in the market. Advanced systems like femtosecond lasers can cost upwards of USD 500,000, with additional annual service contracts and per-use fees. These high costs can limit accessibility for smaller clinics and low-income patients, especially since elective procedures such as LASIK are typically not covered by insurance. On top of equipment costs, training requirements for specialists and technicians further increase the financial burden. As a result, both providers and patients face limitations in adopting advanced laser technologies, which can restrict market expansion.

Key Market Trends

Growing Adoption of Femtosecond Laser Technology

A prominent trend influencing the market is the increasing use of femtosecond lasers in ophthalmic surgeries. These lasers offer ultra-short pulse durations, allowing for precise tissue incisions with minimal damage, improving surgical outcomes and patient recovery. Their application in LASIK and cataract procedures has gained momentum due to enhanced safety and customization capabilities, especially when paired with

advanced imaging like OCT. These combined technologies enable real-time visualization, improving the accuracy and efficacy of procedures. As a result, femtosecond lasers are becoming a standard choice among ophthalmic surgeons, fueling their integration into eye care practices and driving market growth.

Key Market Players

Alcon Laboratories, Inc.

Carl Zeiss Meditec AG

Ellex Medical Lasers Limited

Abbott Medical Optics, Inc.

Bausch & Lomb Incorporated

Topcon Corporation

IRIDEX Corporation

Lumenis Be Ltd.

Ziemer Ophthalmic Systems AG

NIDEK Co., Ltd.

Report Scope:

In this report, the United States Ophthalmic Lasers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Ophthalmic Lasers Market, By Product:

United States Ophthalmic Lasers Market By Product (Diode Lasers, Femtosecond Lasers, Excimer Lasers, Nd:YAG La...

Diode Lasers

Femtosecond Lasers

Excimer Lasers

Nd: YAG Lasers

SLT Lasers

Others

United States Ophthalmic Lasers Market, By Application:

Glaucoma

Cataract Removal

Refractive Error Correction

Diabetic Retinopathy

Age-related Macular Degeneration (AMD)

Others

United States Ophthalmic Lasers Market, By End Use:

Outpatient Facilities

Inpatient Facilities

United States Ophthalmic Lasers Market, By Region:

North-East

Mid-West

West

South

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States Ophthalmic Lasers Market.

Available Customizations:

United States Ophthalmic Lasers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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