

# Ophthalmic Lasers Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

The Global Ophthalmic Lasers Market was valued at USD 1.8 billion in 2024 and is projected to grow from USD 1.9 billion in 2025 to USD 3.1 billion by 2034, at a CAGR of 5.9%, according to the latest report published by Global Market Insights, Inc. The market is experiencing significant growth with the growing incidence of vision disorders, the aging population, and technological advancements in laser systems for eye procedures.

Ophthalmic lasers have emerged as vital for the treatment of diseases like glaucoma, diabetic retinopathy, age-related macular degeneration (AMD), and refractive errors. Ophthalmic lasers are minimally invasive instruments that deliver precise and effective surgical treatments, and therefore are expected to show increased uptake over the next few years.

### Market Size & Growth:

2024 Market Size: USD 1.8 billion

2025 Market Size: USD 1.9 billion

2034 Forecast Market Size: USD 3.1 billion

CAGR (2025–2034): 5.9%

### Regional Insights:

Largest Market: North America

Fastest Growing Market: Asia Pacific

Emerging Countries: India, Brazil, Thailand, Indonesia, South Korea, Mexico

### **Key Drivers:**

1. Rising incidences of eye diseases: Increasing numbers of cataracts, diabetic retinopathy, and glaucoma are favoring the demand for laser-based treatments.
2. Rise in refractive surgeries: Increased interest in LASIK and SMILE surgeries among young generations is driving the usage of femtosecond and excimer lasers.
3. Improved precision and safety of lasers: New ophthalmic lasers provide enhanced control, less thermal damage, and better post-op results, thus gaining traction among ophthalmologists.
4. Aging population: Age-related eye conditions are on the rise worldwide, particularly in high-income and middle-income nations.

### **Key Players:**

Alcon, Johnson & Johnson, ZEISS, LUMENIS, and NIDEK are some of the key players, together commanding 59.3% of the overall market.

Alcon captured an 18.2% share of the ophthalmic lasers market in 2024.

### **Key Challenges:**

High cost of equipment: Ophthalmic lasers are expensive, which hinders their penetration in low-income healthcare facilities.

Strict regulatory approvals: Device approval delays in various markets may limit launch schedules.

Scarcity of skilled professionals: Specialized training is needed for the use of

sophisticated laser systems, which is still an issue in rural and underdeveloped regions.

Browse key industry insights spread across 140 pages with 138 market data tables and figures from the report, “Ophthalmic Lasers Market - By Product Type, By Technology, By Application, By End Use - Global Forecast, 2025 - 2034” in detail, along with the table of contents:

#### By Product Type – Femtosecond Lasers Dominate the Market

Femtosecond lasers led the product category in 2024 with their precision, minimal invasiveness, and efficacy in refractive and cataract surgeries. Their use in LASIK, SMILE, and corneal incisions is increasing rapidly due to the increasing patient interest in vision correction continues to rise worldwide.

#### By Technology – Photocoagulation witnessed widespread Adoption

The photocoagulation segment sustained a strong position in 2024, particularly because of the increasing usage in the treatment of diabetic retinopathy and retinal vein occlusions. The technology is preferred among retinal specialists as it offers long-term stabilization of vision-threatening disease.

#### By Application – Refractive Error Correction Remains in Focus

Refractive error correction dominated the market in 2024. Growing demand for permanent vision correction solutions to glasses and contact lenses is propelling the demand for laser-assisted procedures, especially in urban areas.

#### By End Use – Hospitals Captured the Biggest Share

Hospitals dominated the end-use segment in 2024. Hospital facilities have integrated eye care units, qualified surgeons, and high-tech laser equipment. They also offer reimbursement benefits and have the capacity to treat both elective and emergency ophthalmic surgeries.

North America was the biggest player in the global ophthalmic lasers market in 2024, driven by extensive use of advanced ophthalmic surgeries, high myopia and cataract rates, and the presence of prominent players. The U.S. remains at the forefront in terms

of technology adoption, reimbursement schemes, and outpatient surgical facilities with sophisticated laser-based treatments.

Top players are exploring and executing new research and development, strategic partnerships, and new launches for competitive advantage. As an example, Alcon has recently built its portfolio with next-generation femtosecond lasers for cataract and corneal surgery. ZEISS and Johnson & Johnson are focused on artificial intelligence-guided laser platforms to improve surgical precision. Conversely, Lumenis and Glaukos aim to partner with eye clinics and hospitals to better support their distribution channels. BAUSCH + LOMB and NIDEK implement growth strategies focused on emerging markets by exploring local production and also training ophthalmologists. This will further global reach but also advance technology and improve patient care outcomes.

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