

# **Glaucoma Surgery Devices Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Drainage Systems, Laser-Based Devices, Implants, Other Products), By Treatment (Open-Angle, Closed- Angle), By Type Of Surgery, By Application, By End User**

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## **Abstracts**

The Glaucoma Surgery Devices Market is valued at USD 2.7 billion in 2025 and is projected to grow at a CAGR of 14.2% to reach USD 8.9 billion by 2034.

### Glaucoma Surgery Devices Market Overview

The glaucoma surgery devices market has emerged as a critical segment within ophthalmic healthcare, addressing the growing prevalence of glaucoma—one of the leading causes of irreversible blindness worldwide. With aging populations and increasing awareness of early diagnosis, the demand for advanced and minimally invasive surgical interventions has surged. These devices, including glaucoma drainage implants, microinvasive glaucoma surgery (MIGS) tools, and laser systems, are essential in managing intraocular pressure when pharmacological treatments fall short. The market is driven by a combination of technological innovation and clinical necessity, offering improved outcomes and reduced complications compared to traditional surgeries. Leading manufacturers are investing heavily in product development, regulatory approvals, and strategic collaborations, creating a competitive yet dynamic ecosystem. With patient-centric approaches becoming central to healthcare delivery, device manufacturers are aligning their innovations with surgical precision, faster recovery times, and long-term efficacy. The expanding use of MIGS procedures, in particular, underscores a major shift toward less invasive yet effective glaucoma

treatment options, reshaping both clinical practices and patient expectations globally. As a result, the glaucoma surgery devices market continues to experience robust growth, supported by a convergence of medical need, technological evolution, and healthcare infrastructure advancement. The glaucoma surgery devices market witnessed significant developments that reshaped its growth trajectory. Key players introduced next-generation MIGS devices with improved fluid regulation and biocompatibility, further enhancing surgical safety and effectiveness. Innovations in device materials, such as biostable polymers and titanium alloys, were designed to reduce post-operative inflammation and enhance long-term success. Several devices received FDA and CE approvals during the year, accelerating global market penetration. Notably, industry collaborations between device manufacturers and clinical research institutions fueled faster development of customized surgical solutions. Another major trend was the increasing adoption of AI-enabled surgical planning tools, which helped ophthalmologists improve surgical precision and patient-specific outcomes. Emerging markets in Asia-Pacific and Latin America also gained momentum, fueled by expanding healthcare access and government initiatives to reduce the burden of preventable blindness. Additionally, reimbursement frameworks were revised in several countries to accommodate newer surgical approaches, which significantly boosted the adoption of glaucoma devices. Collectively, 2024 proved to be a transformative year marked by regulatory advancements, market expansion, and technological innovation—laying a strong foundation for future growth in the segment. The glaucoma surgery devices market is expected to evolve with a deeper focus on personalization, automation, and global accessibility. Device manufacturers are exploring smart implants capable of real-time intraocular pressure monitoring, integrated with patient mobile apps and clinician dashboards. This technological convergence aims to enable proactive post-surgery monitoring and reduce the likelihood of disease progression. Industry leaders are also likely to expand into underserved markets through strategic partnerships and localized manufacturing to address cost and accessibility barriers. Clinical trials underway are anticipated to result in newer-generation MIGS devices that combine drainage efficiency with lower complication risks. Furthermore, the integration of robotics in ophthalmic surgeries is on the horizon, aiming to enhance surgical accuracy and repeatability, especially in high-volume clinical settings. Regulatory bodies are expected to streamline approval pathways for innovative, low-risk devices, further accelerating their availability. In parallel, awareness campaigns and vision screening programs will continue to drive early detection and intervention, boosting demand for surgical treatments. With healthcare systems increasingly prioritizing vision care, the glaucoma surgery devices market is well-positioned for sustained innovation, widespread adoption, and expanding patient reach in the years to come.

## Key Insights Glaucoma Surgery Devices Market

Adoption of minimally invasive glaucoma surgery (MIGS) is growing rapidly due to its safety profile and faster recovery times, making it a preferred option among both surgeons and patients.

Integration of AI and machine learning in surgical planning tools is enhancing procedural accuracy and improving patient outcomes through predictive analytics and real-time feedback.

Smart implants with pressure sensors are under development, allowing continuous intraocular pressure monitoring and real-time alerts for patients and healthcare providers.

Collaborations between medtech companies and ophthalmic institutions are accelerating innovation pipelines and facilitating quicker market entry for next-gen glaucoma devices.

Global expansion efforts are intensifying, especially in emerging markets, as manufacturers localize production and form regional partnerships to increase device accessibility.

Rising global incidence of glaucoma, particularly among aging populations, is driving the need for more effective surgical interventions and devices.

Increased awareness and early diagnosis of glaucoma through national screening programs are expanding the pool of patients eligible for surgical treatment.

Advancements in device technology, such as improved biocompatibility and drainage efficiency, are enhancing patient outcomes and fueling market growth.

Favorable reimbursement policies and regulatory support in developed countries are encouraging adoption of advanced surgical devices across clinical settings.

High costs associated with glaucoma surgery devices and procedures limit access in low-income regions, posing a challenge to widespread market penetration despite rising demand.

## Glaucoma Surgery Devices Market Segmentation

### By Product

Drainage Systems

Laser-Based Devices

Implants

Other Products

### By Treatment

Open-Angle

Closed-Angle

### By Type Of Surgery

Angle Closure Glaucoma Surgery

Aqueous Shunt Surgery

Laser Surgery

Other Type Of Surgeries

### By Application

Conventional Glaucoma Surgeries

Minimally Invasive Glaucoma Surgeries

## By End User

Eye Hospitals

Ophthalmology Clinics

Outpatient Surgical Centers

## Key Companies Analysed

Alcon

Johnson & Johnson

Abbott Laboratorie

Carl Zeiss Meditec AG

Bausch & Lomb Inc.

Topcon Corporation

HAAG-Streit Holding AG

Essilor International S.A.

Hoya Corporation

Sonomed Escalon

Iridex Corporation Ltd.

Ellex Medical Lasers Ltd.

Ziemer Ophthalmic Systems AG

Katalyst Surgical

Nidek Co. Ltd.

AbbVie Inc.

BVI

Glaukos Corporation

Alievio Inc.

Assenti LLC

Avisi Technologies LLC

Chongqing Migos Medical Technology Co Ltd.

OcuTherix Inc

OPKO Health Inc

OptoLight Vision Technology

Rheon Medical SA

Sight Sciences Inc

Lumenis Ltd.

## Glaucoma Surgery Devices Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting

scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Glaucoma Surgery Devices Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

### Countries Covered

North America — Glaucoma Surgery Devices market data and outlook to 2034

United States

Canada

Mexico

Europe — Glaucoma Surgery Devices market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Glaucoma Surgery Devices market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Glaucoma Surgery Devices market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Glaucoma Surgery Devices market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Glaucoma Surgery Devices value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Glaucoma Surgery Devices industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to

invest over the next 3–5 years?

## Your Key Takeaways from the Glaucoma Surgery Devices Market Report

Global Glaucoma Surgery Devices market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Glaucoma Surgery Devices trade, costs, and supply chains

Glaucoma Surgery Devices market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Glaucoma Surgery Devices market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Glaucoma Surgery Devices market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Glaucoma Surgery Devices supply chain analysis

Glaucoma Surgery Devices trade analysis, Glaucoma Surgery Devices market price analysis, and Glaucoma Surgery Devices supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Glaucoma Surgery Devices market news and developments

## Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

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