

Corneal Topographers Market is projected to surpass US\$1000.434 million by 2029 at a CAGR of 4.09%

The corneal topographers market is anticipated to grow at a CAGR of 4.09% from US\$755.524 million in 2022 to US\$1000.434 million by 2029.



NOIDA, UTTAR PARDESH, INDIA, February 28, 2024 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the [corneal topographers market](#) is projected to grow at a CAGR of 4.09% between 2022 and 2029 to reach US\$1000.434 million by 2029.

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A corneal topographer serves as a device utilized for corneal topography assessments. Typically, it contains a camera or a set of cameras to collect pictures of the cornea's surface. These captured data are then employed to generate a comprehensive map detailing the cornea's shape, curvature, and elevation.

The growing older population, as well as technological improvements that result in increasing [surgical](#) interventions and device utilization, are driving market expansion. As the world population ages and becomes

more vulnerable to different age-related eye disorders, the use of corneal topography for proper diagnosis and therapy is projected to increase.

The prevalence of eye problems such as astigmatism, keratoconus, and corneal abnormalities is increasing. This has resulted in an increased need for diagnostic equipment like as corneal topographers, which can properly analyse corneal shape and aid in the diagnosis and treatment of various disorders.

For instance, In March 2023, Haag-Streit introduced a corneal ectasia display for the Eyestar 900 precision OCT analyzer, which includes elevation information, pachymetry maps, Belin ABCD grading, and additional characteristics to assist corneal experts in identifying ectatic changes and

keratoconus. The display also provides high-quality 18mm diameter OCT pictures.

There are many product launches and developments that are taking place in the corneal topographer market during the forecast period. For instance, In January 2023, Topcon Healthcare introduced the NW500, a user-friendly robotic fundus camera designed for dependable, high-quality imaging under ambient light circumstances. The NW500 produces high-quality color fundus pictures at three fixation sites and nine extra spots for peripheral imaging.

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The global corneal topographer market, based on different products is categorized into- Placido Disc System, Scheimpflug System, and Scanning Slit System. The Placido disc system is a corneal topographer that employs concentric rings to analyze the cornea's reflection pattern, producing a three-dimensional map of the corneal surface. It is often used for corneal curvature analysis and irregularity identification.

Scheimpflug systems use a rotating camera and slit lamp to capture images of the eye's anterior segment, providing detailed information about corneal shape, thickness, and elevation, making them critical for precise measurements in corneal surgeries, contact lens fitting, and disease diagnosis.

Corneal topographers use scanning slit technology to scan the cornea with a narrow beam of light while recording reflected light for high-resolution imaging. These technologies give precise information on corneal abnormalities, tear film dynamics, and biomechanics, and are widely utilized in research and advanced diagnostics.

The global corneal topographer market, based on end-use is categorized into- Hospitals, Ophthalmic Clinics, and Ambulatory Surgical Centers. Hospitals use corneal topographers for pre-operative refractive surgery evaluations, illness diagnosis and monitoring, and post-operative follow-up treatment.

Ophthalmic clinics commonly use corneal topographers for regular eye exams, contact lens fitting, disease management, and surgical planning. Ambulatory Surgical Centers (ASCs) are outpatient clinics that provide non-hospitalized surgical treatments, including corneal topography for pre-operative evaluation and planning in laser refractive surgery and cornea transplantation.

The global corneal topographer market, based on different applications is categorized into cataract surgery evaluation, corneal disorder diagnosis, refractive surgery evaluation, contact lens fitting, and others. Corneal topographers are used to assess the corneal shape and curvature before cataract surgery to ensure accurate intraocular lens (IOL) power calculation and optimal surgical outcomes.

Corneal topography is essential for detecting a variety of corneal abnormalities and diseases,

including keratoconus, corneal ectasia, corneal scarring, and irregular astigmatism. Before refractive operations like LASIK, PRK, or SMILE, corneal topography is used to assess corneal abnormalities, thickness, and curvature, which aids in surgical planning and patient selection.

Corneal topographers assist eye care practitioners in fitting [contact lenses](#) by providing detailed corneal measurements, assessing tear film quality, and identifying any irregularities that may affect lens fit and comfort.

North America is likely to dominate the corneal topographer market during the forecast period. Favorable reimbursement efforts, government funding, research studies, the increased burden of the senior population, and the frequency of eye problems all contribute to this proportion.

As a part of the report, the major players operating in the corneal topographer market that have been covered are Tomey USA, Enhanced Medical Services, Nidek-Intl, Grafton Optical, Schwind eye-tech-solutions, Eye Design Opticians, Western Ophthalmics, Jacqueline Burns Opticians, Arash, and Healio.

The market analytics report segments the corneal topographers market using the following criteria:

- By Product

- o Placido Disc System
- o Scheimpflug System
- o Scanning Slit System

- By End-Use

- o Hospitals
- o Ophthalmic Clinics
- o Ambulatory Surgical Centers

- By Application

- o Cataract Surgery Evaluation
- o Corneal Disorder Diagnosis
- o Refractive Surgery Evaluation
- o Contact Lens Fitting
- o Others

- By Geography

- o North America

- United States
- Canada
- Mexico

- o South America

- Brazil
- Argentina
- Others

- o Europe

- UK
- Germany
- France
- Spain
- Others

- o Middle East and Africa

- Saudi Arabia
- UAE
- Israel
- Others

- o Asia Pacific

- Japan
- China
- India
- South Korea
- Indonesia
- Thailand
- Others

Companies Mentioned:

- Tomey USA
- Enhanced Medical Services
- Nidek-Intl
- Grafton Optical
- Schwind eye-tech-solutions

- Eye Design Opticians
- Western Ophthalmics
- Jacqueline Burns Opticians
- Arash
- Healio

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