

# Global Automated Visual Field Analyzer Market 2023

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## Abstracts

### Description

Ocular health represents a critical indicator of overall wellness, thus technologies enabling comprehensive eye examination prove invaluable diagnostic tools. Among such devices, automated visual field analyzers have emerged as premier instruments for objectively mapping patterns of vision within the eye's scope. By quantifying sensitivity acuity across the visual field without head movement, these systems aid clinicians in detecting ocular pathological conditions in earlier, more treatable stages.

Recent market forecasts indicate the global automated visual field analyzer sector is poised for steady expansion, projected to increase in value by USD 79.2 million annually through 2029. A compound growth rate approaching 5.93% reinforces opportunities as technologies advance and diagnostic needs intensify. Chief drivers include escalating prevalence of sight-threatening conditions like glaucoma, cataracts, and diabetic retinopathy fueled by demographic shifts.

Age remains a primary risk factor, with organizations such as the World Health Organization forecasting rises in glaucoma, age-related macular degeneration, and cataract cases directly attributable to global population aging. By 2030, glaucoma diagnoses alone may rise thirty percent to over ninety-five million worldwide. Simultaneously, lifestyle and environmental exposures increasingly contribute to ocular surface diseases exacerbated by low humidity, pollution, wind and digital device usage.

As visibility impairments threaten independent living and mobility, early detection through diligent screening emerges indispensable. Visual field analysis aids in baseline documentation and subsequent monitoring of visual defects indicative of pathology. Automated models streamline testing through touchless, objective measurements minimizing human error. Integrated light stimuli and peripheral vision quantification

further expedite exams.

From a commercial perspective, burgeoning diagnostic requirements and value-based reimbursements stimulating prevention through regular eye exams and treatment adherence augur well for visual field analyzer suppliers. Top-tier platforms delivering high throughput, standardized examinations satisfy both private practice and hospital-based workflows. Opportunities likewise emerge in emerging markets experiencing accelerated Westernization and aging patterns driving demand.

Looking forward, as population health initiatives prioritize population-wide vision care and technical innovations facilitate remote, accessible screening, automated visual field analysis seems poised to play an increasingly pivotal role globally.

## Market Segmentation

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the type, end user, and geography.

Type: static, kinetic

End user: hospitals, ophthalmic clinics, others

Geography: North America, Europe, Asia Pacific, Middle East and Africa, Latin America

The global automated visual field analyzer market can be segmented based on product type into static and kinetic analyzers. In 2022, static analyzers captured the leading market share and are expected to retain dominance over the forecast period.

Static analyzers currently represent the standard of care for automated visual field testing. Their advantage lies in higher accuracy when assessing sensitivity thresholds across the visual field without requiring head or eye movements on the part of patients. Fully automated functionality further streamlines examination workflows with minimal clinician involvement from set-up to analysis.

This static approach is ideally suited to pathology screening applications where baseline and serial monitoring of visual field defects is crucial. Diseases such as glaucoma, age-related macular degeneration, and select neurological conditions prominently feature visual field losses indicative of progression. By quantifying sensitivity losses through standardized static threshold testing, clinicians gain objective insight to guide treatment

decisions.

As a result of these attributes supporting the growing need for rigorous screening protocols, static analyzers see extensive uptake in eye clinics, private ophthalmologist offices, ambulatory surgical centers and hospital outpatient departments. Their capabilities especially resonate within aging populations where prevalence of sight-threatening conditions escalates in step with routine ocular aging changes exacerbated by chronic disease.

From a geographic perspective, North America currently occupies the largest market share due in part to favorable reimbursement environments and demographic risk factors. Advanced economies experience concentrations of glaucoma, macular disorders and other visual impairments associated with older age. Meanwhile, government initiatives provide coverage incentives for utilizing screening technologies demonstrated to catch pathology earlier and slow disease progression through intervention.

Going forward, as continued technical advancements refine ease-of-use and normative databases widen to reflect diverse populations, the clinical utility and accessibility of static automated visual field analysis seems assured. Combined with growing global burdens of ocular disease and expanded insurance eligibility internationally, these dynamics support ongoing market expansion well into future years.

## Major Companies and Competitive Landscape

The global automated visual field analyzer market report offers detailed information on several market vendors, including Carl Zeiss AG, Elektron Eye Technology Limited, Frey S.J., Haag-Streit AG, Heidelberg Engineering, Inc., Kowa Company, Ltd., MEDA Co., Ltd., Metrovision Production Group, LLC, Nidek Co., Ltd., Oculus Inc., OPTOPOL Technology Sp. z o.o., Topcon Corporation, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

## Scope of the Report

To analyze and forecast the market size of the global automated visual field analyzer market.

To classify and forecast the global automated visual field analyzer market based on

type, end user, geography.

To identify drivers and challenges for the global automated visual field analyzer market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global automated visual field analyzer market.

To identify and analyze the profile of leading players operating in the global automated visual field analyzer market.

### Why Choose This Report

Gain a reliable outlook of the global automated visual field analyzer market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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