

Global Wave-Front Aberrometer Market Size study & Forecast, by Product Type (Harmann-Shack wavefront aberrometer, Ray tracing wavefront aberrometer, Tscherning wavefront aberrometer), By Indication (Hyperopia, Myopia, Astigmatism, Others), By End-user (Hospitals, Ambulatory Surgical Centres, Specialized Clinics, Diagnostic Laboratory) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G0F182FE15C7EN.html>

Date: April 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G0F182FE15C7EN

Abstracts

Global Wave-Front Aberrometer Market is valued at approximately USD 36.2 million in 2021 and is anticipated to grow with a healthy growth rate of more than 3.4% over the forecast period 2022-2029. A wave-front aberrometer is a diagnostic tool that uses wavefront technology to measure and analyze the refractive errors of the eye. This technology allows for a more precise measurement of the eye's optical system, as it takes into account not only the traditional measurements of nearsightedness, farsightedness, and astigmatism but also more subtle irregularities in the shape and curvature of the cornea and lens. Wavefront aberrometer are used in ophthalmology and optometry clinics to aid in the diagnosis of visual abnormalities and to assist in the selection of appropriate corrective lenses. The market demand is primarily driven by the factors such as the increasing prevalence of refractive errors in the eye, the growing demand for vision correction solutions and the rising public awareness about eye diseases.

In addition, the increasing prevalence and emergence of various eye disorders and diseases due to various reasons such as genetics, infections and environmental factors are acting as major driving factors for market growth. According to the World Health

Organization, untreated refractive defects affect 153 million individuals globally and currently, at least 2.2 billion individuals worldwide have vision impairment. Similarly, according to National Eye Institute, more than 150 million Americans have a refractive error. Hence, these factors are expected to escalate the demand for wave-front aberrometers in the global market. Furthermore, the increasing demand for advanced eye surgery devices and the growing developments in healthcare infrastructure are presenting lucrative opportunities for market growth over the forthcoming years. However, the scarcity of skilled professionals to operate wave-front aberrometer is restricting the market growth over the forecast period of 2022-2029.

The key regions considered for the Global Wave-Front Aberrometer Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue due to the high frequency of eye-related disorders and the ageing population in the region. Whereas, Asia Pacific is also expected to grow at the highest growth rate over the forecasting period due to the growing population. Factors such as the growing demand for novel diagnostic devices and equipment, the increasing prevalence of eye disorders, the rising awareness about refractive errors in the eye and the growing ageing population are burgeoning the market growth in the forecasting years.

Major market players included in this report are:

NIDEK CO., LTD.

US Ophthalmic

Coburn Technologies, Inc.

ZEISS Group

Alcon

Visionix USA

EssilorLuxottica

Novartis AG

SCHWIND eye-tech-solutions GmbH

Spirit Medical Limited

Recent Developments in the Market:

In February 2023, Nidek Co., Ltd., a global company that designs, manufactures and distributes ophthalmic, optometric, and lens edging equipment, announced the launch of the AL-Scan M Optical Biometer and the MV-1 Myopia Viewer software. In the clinical and scientific literature, the AL-Scan M evaluates axial length, which is regarded as an effective metric for predicting and monitoring the course of myopia. The AL-Scan M features 3D auto tracking and auto-shot functions, comparable to an auto refractometer,

enabling simple use and rapid measurement.

In November 2022, Alcon, a Swiss-American pharmaceutical and medical device company specializing in eye care products announced the acquisition of Aerie Pharmaceuticals, Inc., expanding the company's ophthalmic pharmaceutical business. The acquisition expands pharmaceutical research and development capabilities and experience for future product portfolios.

Global Wave-Front Aberrometer Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Product Type, Indication, End-user, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Harmann-Shack wavefront aberrometer

Ray tracing wavefront aberrometer

Tscherning wavefront aberrometer

By Indication:

Hyperopia

Myopia

Astigmatism

Others

By End-user:

Hospitals
Ambulatory Surgical Centres
Specialized Clinics
Diagnostic Laboratory

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
ROLA
Rest of the World

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