

# Global Artificial Retina Implant Market Size study, by Product Type (Epiretinal Implants, Subretinal Implants, Suprachoroidal Implants), by Application (Age-Related Macular Degeneration (AMD), Retinitis Pigmentosa) and Regional Forecasts 2022-2032

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## Abstracts

The Global Artificial Retina Implant Market is valued at approximately USD 1.31 billion in 2023 and is projected to grow with a healthy growth rate of over 20.96% over the forecast period 2024-2032. Artificial retina implants, designed to restore partial vision to those suffering from blindness due to retinal diseases, have revolutionized the medical field. These implants leverage advanced technology to bypass damaged retinal cells, thereby transmitting visual information to the brain. The rising incidences of age-related macular degeneration (AMD) and retinitis pigmentosa, coupled with increasing investments in retinal research, are key drivers propelling the growth of this market. Moreover, the surge in startup activities and strategic collaborations among major players further bolster market expansion.

The prevalence of AMD and retinitis pigmentosa is escalating globally, primarily driven by an aging population. Conventional treatments often fall short, thereby amplifying the demand for innovative solutions like artificial retina implants. According to the Centers for Disease Control and Prevention, approximately 19.8 million Americans aged 40 and older were affected by AMD in 2019. In addition, the University Hospital and Faculty of Medicine Tübingen reported that Germany had around 500,000 AMD sufferers in 2021. Furthermore, the market is experiencing substantial growth, driven by the critical need to restore vision in individuals affected by these debilitating conditions. However, challenges such as high costs of implants and surgical complications can restrain the growth of the market during the forecast period 2024-2032.

The key regions in the Global Artificial Retina Implant Market includes North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, North America holds the largest market share due to the high incidence of AMD and the presence of FDA-approved implant products such as Argus II. The region benefits from strong support from government initiatives, leading research institutions, and a well-established network of ophthalmic centers. Additionally, high disposable incomes and a growing prevalence of retinal diseases contribute to market growth. Innovative solutions and technological advancements further propel the demand, making North America a leader in the artificial retina implant sector. Europe is also showing substantial growth, driven by strategic partnerships and clinical trials. The Asia-Pacific region is poised to be the fastest-growing market, propelled by a rapidly aging population and increasing healthcare investments.

The key players in the Artificial Retina Implant Market include:

Bionic Vision Technologies

PIXIUM VISION

Optobionics

Labtician Ophthalmics, Inc.

Vivani Medical Inc.

iBIONICS

LambdaVision, Inc.

AXORUS

Sensor-Tech Lab

Nanovision

The detailed segments and sub-segment of the market are explained below:

By Product Type:

Epiretinal Implants

Subretinal Implants

Suprachoroidal Implants

By Application:

Age-Related Macular Degeneration (AMD)

Retinitis Pigmentosa

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

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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