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Japan Intraocular Lenses Market By Product (Monofocal IOL, Multifocal IOL, Toric IOL, Accommodative IOL), By Material (Polymethylmethacrylate (PMMA), Silicone, Hydrophobic Acrylic), By End Use (Hospitals, Ophthalmic Clinics, Ambulatory Care Centers, Eye Research Institutes), By Region, Competition, Forecast & Opportunities, 2020-2030F

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Abstracts

Japan Intraocular Lenses Market was valued at USD 178.89 Million in 2024 and is anticipated to project impressive growth in the forecast period with a CAGR of 6.23% through 2030. The Japan Intraocular Lenses (IOLs) Market is primarily driven by several factors, including the country's aging population, which contributes to a higher prevalence of age-related eye conditions such as cataracts. Increasing awareness and adoption of advanced surgical procedures, coupled with technological advancements in IOL materials and designs, are also significant drivers. These advancements enhance the safety, efficacy, and outcomes of cataract surgeries, thereby expanding the market. Favorable healthcare policies and reimbursement schemes for cataract surgeries support patient access to premium IOLs, driving market growth further. The evolving preferences of patients and healthcare providers towards premium IOLs that offer improved visual outcomes and reduced dependency on glasses also contribute to the market's expansion in Japan.

Key Market Drivers

Aging Population and Cataract Surgery Demand

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Japan is currently experiencing one of the most pronounced demographic shifts globally, characterized by a rapidly aging population. This demographic trend is profoundly impacting the prevalence of age-related eye conditions, with cataracts emerging as a prevalent issue among elderly individuals. Cataracts develop gradually over time, clouding the lens of the eye and impairing vision. As the Japanese population ages, there is a corresponding increase in the incidence of cataracts. According to an article titled, “Annual trends of ophthalmic surgeries in Japan’s super-aged society, 2014–2020: a national claims database study”, between fiscal years 2014 and 2018, the total number of cataract surgeries stabilized around 1.45 million cases, showing a slight rise to nearly 1.6 million in fiscal year 2019. However, it reverted to 1.45 million in fiscal year 2020 amidst the onset of the COVID-19 pandemic in Japan. Analyzing age-specific data reveals consistent surgery rates up to the age of 70 from fiscal years 2014 to 2019, with an uptick in surgeries for those over 70 years old. In fiscal year 2020, there was a notable decline in surgeries for patients aged over 60 years.

Cataract surgery remains the primary treatment for restoring vision impaired by cataracts. During these surgical procedures, the natural lens affected by the cataract is removed and replaced with an artificial intraocular lens (IOL). IOLs play a crucial role in these interventions by effectively restoring clarity of vision and improving overall visual acuity. Given the aging population's expanding proportion, the demand for cataract surgeries and subsequent IOL implants is steadily rising in Japan. This demographic shift ensures a continuous and growing demand for IOLs in Japan's healthcare system. The necessity for surgical intervention to address age-related eye conditions underscores the critical role of IOLs in maintaining and enhancing the quality of life for the elderly population. As such, the Japan Intraocular Lenses Market is poised for sustained growth, driven by the increasing need for effective vision correction solutions among the aging demographic.

Technological Advancements

Continuous advancements in intraocular lens (IOL) technology have revolutionized the landscape of cataract surgery and refractive lens exchange procedures, significantly improving surgical outcomes and patient satisfaction in Japan and globally. One of the pivotal advancements lies in the evolution of IOL materials. Hydrophobic and hydrophilic acrylic materials have emerged as preferred choices due to their biocompatibility, optical clarity, and ability to minimize post-operative complications such as inflammation and posterior capsular opacification (PCO). The development of multifocal and toric designs has been instrumental in addressing various vision correction needs. Multifocal

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IOLs enable clear vision at multiple distances, reducing dependence on glasses for activities such as reading and driving. Meanwhile, toric IOLs correct astigmatism, offering patients improved visual acuity and reducing optical aberrations. In June 2023, BVI, known for its rapid growth in the field of surgical ophthalmology, announced the official introduction of FINEVISION HP in Japan. This hydrophobic trifocal IOL marks a significant advancement in trifocal lens technology, being the first of its kind to provide cataract patients with high-quality vision at all distances, without glistening. The product has generated considerable excitement and interest, prompting BVI Japan to receive initial orders for FINEVISION HP ahead of its official launch.

These technological innovations not only enhance surgical precision and efficiency but also contribute to improved patient outcomes and overall satisfaction. Surgeons in Japan are increasingly adopting these advanced IOLs to cater to diverse patient needs, thereby driving market growth. The ability of modern IOLs to provide tailored solutions for astigmatism, presbyopia, and other refractive errors underscores their role in meeting the evolving expectations of patients seeking optimal visual clarity and quality of life post-surgery. As a result, the Japan Intraocular Lenses Market continues to expand with ongoing advancements in IOL technology paving the way for enhanced surgical experiences and patient care.

Rising Disposable Income

Increasing disposable incomes among Japanese consumers have played a significant role in shaping the demand landscape for advanced healthcare solutions, particularly in the realm of intraocular lenses (IOLs). As disposable incomes rise, there is a corresponding increase in the willingness of patients to invest in premium IOLs that promise superior visual outcomes and enhanced convenience post-surgery. Premium IOLs are designed with advanced optical technologies and materials that offer several advantages over traditional monofocal lenses. These lenses often incorporate features such as multifocality, extended depth of focus, or correction for astigmatism, allowing patients to achieve clearer vision at various distances without the need for glasses or contact lenses. For individuals with higher disposable incomes, the appeal of these premium IOLs lies in their ability to provide enhanced visual quality and reduce dependency on corrective eyewear, thereby improving overall quality of life.

The preference for premium IOLs among affluent consumers reflects a broader trend towards prioritizing health and wellness expenditures. Patients are increasingly willing to invest in medical treatments and technologies that offer long-term benefits and improve daily living. This economic factor not only expands the market for premium IOLs in

Japan but also incentivizes manufacturers and healthcare providers to innovate and introduce advanced lens options that cater to diverse patient needs and preferences.

Preference for Minimally Invasive Surgery

The preference for minimally invasive surgical techniques such as small incision cataract surgery (SICS) and phacoemulsification has significantly contributed to the increasing adoption of intraocular lenses (IOLs) in Japan. These advanced surgical methods have revolutionized cataract surgery by offering numerous advantages over traditional approaches, including quicker recovery times, reduced risk of complications, and enhanced patient comfort during and after the procedure. SICS involves making a smaller incision compared to traditional extracapsular cataract extraction (ECCE), which minimizes trauma to the eye and accelerates healing. Phacoemulsification, on the other hand, utilizes ultrasound energy to break up the cataract lens before suctioning it out through a tiny incision. Both techniques require the implantation of an IOL to replace the natural lens removed during surgery, thereby restoring clear vision.

The compatibility of IOLs with these modern surgical techniques is crucial for optimizing surgical outcomes and patient satisfaction. Advanced IOL designs, such as multifocal, toric, and extended depth of focus lenses, are tailored to meet the specific visual needs of patients undergoing minimally invasive cataract surgery. These lenses not only correct cataracts but also address conditions like astigmatism and presbyopia, allowing patients to achieve improved visual acuity without reliance on glasses or contact lenses post-surgery. The growing adoption of minimally invasive surgical techniques in Japan reflects a broader global trend towards enhancing surgical precision, reducing recovery times, and improving overall patient outcomes. As these techniques become more widely practiced and preferred by both patients and healthcare providers, the demand for high-quality IOLs that complement these advancements continues to rise. Manufacturers in the Japan Intraocular Lenses Market are therefore focused on developing innovative IOL technologies that integrate seamlessly with modern surgical methods, thereby driving the evolution and expansion of the market while meeting the increasing expectations of patients for optimal visual outcomes.

Key Market Challenges

Regulatory Compliance and Approval Processes

Navigating Japan's stringent regulatory environment poses a substantial challenge for manufacturers operating in the Intraocular Lenses (IOLs) market. The country's

regulatory framework for medical devices, including IOLs, is characterized by rigorous standards aimed at ensuring patient safety and product efficacy. These standards are set by the Pharmaceuticals and Medical Devices Agency (PMDA), which oversees the approval and regulation of medical devices in Japan.

One of the primary hurdles faced by manufacturers is the lengthy and meticulous approval process required for new IOL products. The PMDA mandates thorough clinical trials and comprehensive documentation to demonstrate the safety and effectiveness of IOLs before they can be approved for commercialization. This process involves multiple stages of review, including pre-market approval (PMA) and post-market surveillance, which can significantly delay the market entry of new products compared to other regions with less stringent requirements. The regulatory landscape in Japan differs from that of other countries, necessitating manufacturers to adapt their strategies and invest additional resources in compliance. This includes conducting specific studies tailored to meet Japanese regulatory standards, which may differ from those required by the U.S. Food and Drug Administration (FDA) or the European Medicines Agency (EMA). The need to navigate these distinct regulatory pathways can prolong the development timeline and increase costs associated with obtaining market approval.

Cost and Affordability

Cost is a critical factor influencing the adoption of IOLs in Japan. While the country boasts a high standard of healthcare, the costs associated with premium IOLs, such as multifocal or toric lenses, can be prohibitive for some patients. The reimbursement policies under Japan's national health insurance system may not fully cover the expenses of advanced IOL technologies, leading to disparities in access based on socioeconomic status. This affordability issue poses a challenge for manufacturers aiming to penetrate the broader market while maintaining profitability.

Key Market Trends

Increasing Prevalence of Myopia

Beyond cataract surgery, the Japan Intraocular Lenses (IOLs) Market is witnessing a notable expansion in applications due to the rising prevalence of myopia among the younger population. Myopia, or nearsightedness, has become increasingly prevalent in Japan, driven by factors such as lifestyle changes, prolonged near work activities, and environmental factors. This demographic shift is influencing the demand for IOLs not only as a solution for cataract treatment but also as a viable option for refractive

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correction among younger individuals.

In particular, phakic IOLs are gaining traction as a preferred method for correcting myopia. Unlike traditional refractive surgeries such as LASIK (laser-assisted in situ keratomileusis), which reshape the cornea, phakic IOLs are implanted in front of or behind the iris while leaving the natural lens intact. This approach provides a reversible alternative for individuals seeking to reduce dependence on glasses or contact lenses without permanently altering the corneal structure. The appeal of phakic IOLs lies in their ability to correct higher degrees of myopia with predictable outcomes and minimal impact on corneal biomechanics. This makes them particularly suitable for patients with thin corneas or other conditions that preclude them from undergoing LASIK or other corneal refractive procedures. Advancements in phakic IOL technology have led to the development of various designs, including iris-fixated, angle-supported, and posterior chamber models, which offer surgeons flexibility in addressing different patient needs and anatomical considerations.

Strategic Partnerships and Collaborations

Collaborations between multinational intraocular lens (IOL) manufacturers and local distributors in Japan are pivotal in advancing the country's access to cutting-edge IOL technologies and products. These partnerships bring together the global expertise of multinational manufacturers in IOL research, development, and production with the local market knowledge and distribution networks of Japanese distributors.

One of the primary benefits of these collaborations is the introduction of innovative IOL products into the Japanese market. Multinational manufacturers often leverage their extensive research and development capabilities to create next-generation IOLs that incorporate advanced materials, designs, and technologies. These innovations cater to a wide spectrum of patient needs, including those requiring multifocal, toric, or extended depth-of-focus IOLs for enhanced visual outcomes. Furthermore, partnerships with local distributors ensure that these innovative IOLs are efficiently marketed and distributed across Japan. Distributors play a crucial role in navigating the complex regulatory landscape, ensuring compliance with Japanese standards, and facilitating market entry for new IOL products. They also provide essential support in terms of sales, marketing, and customer education, helping healthcare professionals and patients alike understand the benefits and optimal use of advanced IOL technologies.

Segmental Insights

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Product Insights

Based on the Product, the Japan market for intraocular lenses (IOLs) is predominantly led by monofocal IOLs, which commanded the largest share of revenue in 2022. This leadership can be attributed to several key factors. Monofocal IOLs are favored by many ophthalmologists in Japan due to their established efficacy in treating cataracts. These lenses are designed with a single focal point, typically used during cataract surgery to correct either distance vision myopia or near vision hyperopia. The straightforward nature and reliability of monofocal IOLs have cemented their popularity among both healthcare providers and patients across Japan. The widespread coverage of monofocal IOLs by insurance providers in Japan enhances their accessibility and affordability for patients. This supportive reimbursement framework has encouraged healthcare providers to adopt monofocal IOL technology more readily, thus bolstering market expansion.

The presence of leading global industry players such as Alcon, Bausch + Lomb, and Johnson & Johnson Vision also plays a pivotal role in the dominance of monofocal IOLs in Japan. These companies have established strong footholds in the Japanese market, leveraging their expertise in manufacturing and distributing monofocal IOLs. Their extensive sales networks, commitment to innovation, and continuous product advancements have further solidified the market position of monofocal IOLs. Japan's aging population and the increasing incidence of cataracts have significantly propelled the demand for monofocal IOLs. As the population ages, the prevalence of cataracts continues to rise, underscoring the need for effective and dependable IOL solutions. Monofocal IOLs, backed by their long-standing track record and widespread adoption, have successfully met this escalating demand.

Material Insights

Based on Material, the Japan intraocular lens (IOL) market is dominated by polymethylmethacrylate (PMMA) lenses, which have maintained a strong position in the market despite the emergence of newer lens materials, such as silicone and hydrophobic acrylic. PMMA, the first material used for IOLs, has remained a popular choice among Japanese ophthalmologists due to its well-established track record and several key advantages. PMMA lenses are known for their excellent biocompatibility and long-term stability within the eye. The material's rigid structure and high refractive index of 1.49 provide superior optical clarity, allowing for a broad spectrum of light transmission. This optical performance has made PMMA lenses a reliable choice for cataract surgery patients in Japan.

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PMMA lenses are relatively cost-effective compared to some of the newer IOL materials, making them more accessible to a wider range of patients in the Japanese healthcare system. The favorable reimbursement policies in Japan, which often cover the costs of PMMA lenses, have further contributed to their widespread adoption. Another factor contributing to the dominance of PMMA lenses in the Japanese market is the strong presence of global manufacturers, such as Contamac, that have established a significant foothold in the country. These companies have leveraged their expertise in PMMA lens production and distribution, ensuring a consistent supply and availability of the material to healthcare providers.

Regional Insights

The Kanto region, which includes the Greater Tokyo Area, has emerged as the dominant force in the Japan intraocular lens (IOL) market, accounting for the largest market share. This regional dominance can be attributed to several key factors. The Kanto region is home to a significant concentration of leading healthcare institutions and medical facilities in Japan. The region boasts a high density of renowned hospitals, specialized clinics, and advanced medical research centers that are at the forefront of cataract surgery and IOL implantation. These healthcare providers in the Kanto region have been quick to adopt the latest IOL technologies and techniques, driving the demand for cutting-edge IOL devices.

The Kanto region, particularly the Tokyo metropolitan area, has a large and aging population, which has contributed to the region's prominence in the IOL market. As the population ages, the prevalence of cataracts has increased, fueling the demand for IOL implantation procedures in the Kanto region. The availability of advanced IOL technologies and skilled ophthalmologists has made the region a preferred destination for cataract patients seeking high-quality care. The concentration of major IOL manufacturers and distributors in the Kanto region has also been a significant factor in the region's dominance. Many of the leading global and domestic players in the IOL market, such as Alcon, Bausch + Lomb, and Johnson & Johnson Vision, have their headquarters or major production facilities located in the Kanto region. This proximity to the manufacturing and distribution hubs has enabled healthcare providers in the Kanto region to have easier access to the latest IOL technologies and maintain a competitive edge.

Key Market Players

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Menicon Co., Ltd.

SEED Co., Ltd.

Toray Industries, Inc.

Universal View Co., Ltd.

Alcon Japan Ltd.

Report Scope:

In this report, the Japan Intraocular Lenses Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Japan Intraocular Lenses Market, By Product:

Monofocal IOL

Multifocal IOL

Toric IOL

Accommodative IOL

Japan Intraocular Lenses Market, By Material:

Polymethylmethacrylate (PMMA)

Silicone

Hydrophobic Acrylic

Japan Intraocular Lenses Market, By End Use:

Hospitals

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Ophthalmic Clinics

Ambulatory Care Centers

Eye Research Institutes

Japan Intraocular Lenses Market, By Region:

Hokkaido

Tohoku

Kanto

Chubu

Kansai

Chugoku

Shikoku

Kyushu

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Japan Intraocular Lenses Market.

Available Customizations:

Japan Intraocular Lenses Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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9. CHUBU INTRAOCULAR LENSES MARKET OUTLOOK

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