

## **Surgical Lasers - Market Insight, Competitive Landscape and Market Forecast - 2027**

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### **Report description:**

Surgical Lasers Market By Product (Solid-State Laser Systems [Erbium Yttrium Aluminum Garnet (ER: YAG), Neodymium Yttrium Aluminum Garnet (ND: YAG), Holmium Yttrium Aluminum Garnet (HO: YAG), Others], Gas Laser Systems [Co2, Argon, Excimer, Others], Diode Laser Systems, Others), By Procedure (Open Surgery, Laparoscopic Surgery, Percutaneous Surgery, Others), By Application (Cosmetic, Dental, Ophthalmic, Gynecology, Others), By End-User (Hospitals And Clinics, Ambulatory Surgical Centers, Others), by geography is expected to grow at a steady CAGR forecast till 2027 owing to the technological advancements and growing preference for minimally invasive surgeries

The global surgical lasers market was valued at USD 1,831.67 million in 2021, growing at a CAGR of 7.26% during the forecast period from 2022 to 2027 to reach USD 2,772.61 million by 2027. The Surgical Lasers market is witnessing positive growth owing to the technological advancements, increasing incidence and prevalence of acute and chronic disorders, particularly ophthalmic disorders and oncological disorders. In addition, a wide variety of applications, growing preference for minimally invasive surgeries, rising geriatric population are thereby contributing to the growth of the Surgical Lasers market during the forecast period from 2022-2027.

Surgical Lasers Market Dynamics:

The Surgical Lasers market is witnessing a growth in product demand owing to various reasons. The key factor includes the technological advancements and product launches that are taking place in the product arena across the globe.

For instance, in September 2021, ZEISS introduced the ZEISS VISUMAX 800, the next generation femtosecond lasers that create a comfortable patient and surgeon experience by reducing laser time and potential transcription errors with easy treatment planning and data analysis via a digitally connected corneal refractive workflow.

In addition, LENSAR announced its next-generation femtosecond laser technology ALLY System, used in cataract surgery, and presented multiple data at the American Society of Cataract and Refractive Surgery (ASCRS) 2021 Annual Meeting. LENSAR expects to submit a 510(k) application for regulatory clearance of ALLY in the first quarter of 2022, with a commercial launch planned for later in 2022.

In July 2020, SCHWIND eye-tech solutions received CE approval for the SCHWIND ATOS femtosecond laser.

Moreover, the Surgical Lasers market is witnessing a surge in product demand due to the growing popularity of minimally invasive procedures. Even though open surgeries are still a norm, the disadvantages associated with open surgery such as the increased

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risk of procedural complications, longer healing time acted as a catalyst in the development of minimally invasive procedures. Surgical Lasers offer accuracy, stability, integration with modern technology, in addition to multiple other benefits exclusive to individual surgical specialties. As a result, such systems are expected to revolutionize the field of surgery. Thus, owing to the advantages associated with surgical lasers in the medical field, the growth prospect of the Surgical Lasers market appears to be lucrative during the forecast period from 2022-2027.

However, certain factors such as the high cost of laser devices and the safety concerns associated with lasers may be certain limiting factors of the Surgical Lasers market growth.

The outbreak of the COVID-19 pandemic had a profound impact across the globe. Patients were highly unwilling to seek elective health treatment, such as cataracts and refractive surgery, as a result of the COVID-19 epidemic. The number of surgeries performed decreased considerably. As per the research studies, in the second half of March 2020, 25% fewer surgical operations were done than in the same time in 2019, and the number of patients seen in the clinic fell by roughly 50% globally. Once the lockdown restrictions were uplifted, the demand surged across all the specialty areas for surgical lasers. This led to accelerating the growth of the Global Surgical Lasers market post-pandemic.

?

**Surgical Lasers Market Segment Analysis:**

Surgical Lasers Market By Product (Solid-state Laser Systems [Erbium Yttrium Aluminum Garnet (Er: YAG), Neodymium Yttrium Aluminum Garnet (Nd: YAG), Holmium Yttrium Aluminum Garnet (Ho: YAG), Others], Gas Laser Systems [CO<sub>2</sub>, Argon, Excimer, Others], Diode Laser Systems, Others), By Procedure (Open Surgery, Laparoscopic Surgery, Percutaneous Surgery, Others), By Application (Cosmetic, Dental, Ophthalmic, Gynecology, others), By End-User (Hospitals and Clinics, Ambulatory Surgical Centers, Others), and By Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the Procedure segment of the Surgical Lasers market, the CO<sub>2</sub> Gas Laser Systems is estimated to hold a higher share in the Surgical Lasers market during the forecast period (2022-2027). This can be attributed to the specific features associated with these lasers.

The large market share of this product segment can be attributed to the growing patient adoption of these devices and quick treatment. The main benefit of CO<sub>2</sub> Gas Laser Systems is that it produces very high power with relative efficiency. Hence it is used primarily for materials processing applications.

CO<sub>2</sub> laser offers low cost per watt in addition to good beam quality. It generates high power output which ranges from a few watts to 15 KWatts.

Another major advantage of using the CO<sub>2</sub> laser is the minimized charring with faster healing which increases patients' motivation for treatment, but caution is necessary with regard to recurrence.

Therefore, it is expected that with such advantages offered by the CO<sub>2</sub> Gas Laser Systems, this product is expected to increase its penetration in coming years, thus this will drive the segment to grow during the forecast period, which will have a positive impact on the overall Global Surgical Lasers Market growth.

Furthermore, CO<sub>2</sub> Gas Laser Systems are gaining commercial acceptability, which also improves market penetration. All these advantages of such devices make physicians more inclined to use CO<sub>2</sub> Gas Laser Systems.

Hence, all the above-mentioned factors are expected to drive the segment growth of the Surgical Lasers market.

**North America is expected to dominate the overall Surgical Lasers Market:**

Among all the regions, North America is expected to account for the largest share in the Global Surgical Lasers market. Factors such as the increasing incidence and prevalence of acute and chronic disorders, particularly in ophthalmic disorders and oncological disorders among others. In addition, a wide variety of surgical applications and rising product launches in the region are expected to aid in the growth of the North America Surgical Lasers Market.

As per CDC 2020, approximately 12 million people 40 years and over in the United States have vision impairment, including 1 million who are blind, 3 million who have vision impairment after correction, and 8 million who have vision impairment due to uncorrected refractive error.

Additionally, according to Cancer Vision 2020, based on the trends in the surgical volume of cataract surgery over the past decade, 3.7 million cataract cases would have been performed in 2020 in the United States among Medicare beneficiaries.

According to the New Plastic Surgery Statistics released by the American Society of Plastic Surgeons (ASPS) shows there were

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nearly a quarter-million more cosmetic procedures performed in 2018 than in the year 2017. Also, according to the ASPS annual plastic surgery statistics report, there were more than 17.7 million surgical and minimally-invasive cosmetic procedures performed in the United States in 2018. The statistics also revealed a rise in new trends in body-shaping procedures, with a spike in non-invasive fat reduction, as well as surgeries such as breast augmentations and liposuction.

Hence, Minimally Invasive Surgery approaches such as the use of Surgical Lasers are gaining popularity owing to their precision and minimal invasion in the surrounding anatomy. Furthermore, Surgical Lasers are being preferred by surgeons for conducting numerous surgical procedures due to aided benefits of precision and accuracy and better chances of reproducing positive surgical outcomes which further helps in faster recovery for patients. Therefore, the Surgical Lasers market is slated to register remarkable growth during the forecast period (2022-2027) owing to the factors mentioned above.

Another factor responsible for the growth of the Surgical Lasers market is the launch of new products in the region. For instance, in March 2019, Sciton Inc., a manufacturer of aesthetic and medical laser and light source technology, launched the latest version of its flagship platform JOULE X at the American Society of Laser Medicine and Surgery (ASLMS) annual meeting in Colorado., Canada. JOULE X is a multi-device platform with customizable laser and light performance.

Thus, these factors are projected to contribute to the Surgical Lasers market during the forecast period.

The rising adoption of Surgical Lasers in the country would result in the rising demand for procedures that make use of Surgical Lasers, which in turn would provide a conducive growth environment for the United States Surgical Lasers market as well as the North American region. Therefore, the interplay of various factors such as the presence of a large patient population, encouraging reimbursement policies as well as new product launches in the region is expected to boost the North America Surgical Lasers market during the forecast period.

**Surgical Lasers Market Key Players:**

Some of the key market players operating in the Surgical Lasers market include LightScalpel, Quanta System, KLS Martin Group, Lumenis Be Ltd. (Boston Scientific Corporation), INTERmedic Arfran, Cynosure (Hologic), Alma Lasers, Johnson & Johnson Vision Care, Inc., IPG Photonics Corporation, Koninklijke Philips N.V., biolitec? AG, Fotona, BISON MEDICAL, Alcon Laboratories, Inc., A.R.C. Laser GmbH, Ziemer Ophthalmic Systems, Carl Zeiss Meditec AG, MEDA Co., Ltd., LIGHTMED, NIDEK CO., LTD., and others.

**Recent Developmental Activities in the Surgical Lasers Market:**

? In September 2021, Boston Scientific announced the closure of its acquisition of the global surgical business of Lumenis LTD., a privately-held company that develops and commercializes energy-based medical solutions, from an affiliate of Baring Private Equity Asia (BPEA). The Lumenis surgical business includes premier laser systems, fibers, and accessories used for urology and otolaryngology procedures with total revenue anticipated to be approximately \$200 million for full-year 2021.

**Key Takeaways from the Surgical Lasers Market Report Study**

? Market size analysis for current Surgical Lasers market size (2021), and market forecast for 5 years (2022-2027)

? The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Surgical Lasers market.

? Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

? Key companies dominating the global Surgical Lasers market.

? Various opportunities available for the other competitor in the Surgical Lasers market space.

? What are the top performing segments in 2021? How these segments will perform in 2027.

? Which is the top-performing regions and countries in the current Surgical Lasers market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for Surgical Lasers market growth in the coming future?

**Target Audience who can be benefited from this Surgical Lasers Market Report Study**

? Surgical Lasers products providers

? Research organizations and consulting companies

? Surgical Lasers-related organizations, associations, forums, and other alliances

? Government and corporate offices

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? Start-up companies, venture capitalists, and private equity firms

? Distributors and Traders dealing in Surgical Lasers

? Various End-users who want to know more about the Surgical Lasers market and latest technological developments in the Surgical Lasers market.

Frequently Asked Questions for the Surgical Lasers Market:

1. What are Surgical Lasers?

According to FDA, Surgical Lasers are devices used to precisely focus light sources to treat or remove tissues. Because lasers can focus very accurately on tiny areas, they can be used for very precise surgical work or for cutting through tissue.

2. What is the market for Global Surgical Lasers?

The global surgical lasers market was valued at USD 1,831.67 million in 2021, growing at a CAGR of 7.26% during the forecast period from 2022 to 2027 to reach USD 2,772.61 million by 2027.

3. What are the drivers for the Global Surgical Lasers Market?

The Surgical Lasers market is witnessing a positive market growth owing to the technological advancements, increasing incidence and prevalence of acute and chronic disorders, particularly in ophthalmic disorders and oncological disorders among others. In addition, a wide variety of applications, growing preference for minimally invasive surgeries, rising geriatric population is thereby contributing to the growth of the Surgical Lasers market.

4. Who are the key players operating in the Global Surgical Lasers Market?

Some of the key market players operating in the Surgical Lasers market include LightScalpel, Quanta System, KLS Martin Group, Lumenis Be Ltd. (Boston Scientific Corporation), INTERmedic Arfran, Cynosure (Hologic), Alma Lasers, Johnson & Johnson Vision Care, Inc., IPG Photonics Corporation, Koninklijke Philips N.V., biolitec? AG, Fotona, BISON MEDICAL, Alcon Laboratories, Inc., A.R.C. Laser GmbH, Ziemer Ophthalmic Systems, Carl Zeiss Meditec AG, MEDA Co., Ltd., LIGHTMED, NIDEK CO., LTD., and others.

5. Which region has the highest share in Surgical Lasers Market?

North America is expected to hold the highest share in the revenue in the Surgical Lasers market during the forecast period. Factors such as the increasing incidence and prevalence of acute and chronic disorders, particularly in ophthalmic disorders and oncological disorders among others. In addition, a wide variety of surgical applications and rising product launches in the region, are expected to aid in the growth of the North America Surgical Lasers Market in this region.

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