

Surgical Lasers Market Size, Statistics, Growth Drivers, 2023 | Predicted to Reach US\$ 18.1 Billion by 2032

The surgical laser market is expanding as a result of patients' and healthcare professionals' increasing desire for minimally invasive procedures.

SANTA ROSA, CALIFORNIA, UNITED STATES, May 3, 2023 / EINPresswire.com/ -- What is Laser Surgery?



A type of surgery called laser surgery substitutes specific light beams for surgical equipment. The operation of a laser is explained by several hypotheses that serve to explain local tissue damage,

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including Albert Einstein's idea of induced emission of radiation. The skin can either deflect the light away, disperse it, absorb it, or allow it to travel straight through the various layers of the outermost layer as the light beam strikes it. Various skin layers absorb light in various manners. There are several distinct kinds of lasers, such as the YAG (neodymium, or yttrium aluminum garnet) laser, the argon laser, and the carbon dioxide diode laser. Each one operates differently and can be applied to various forms of treatment. It is possible to deliver laser light periodically or continually. The target inside the skin and

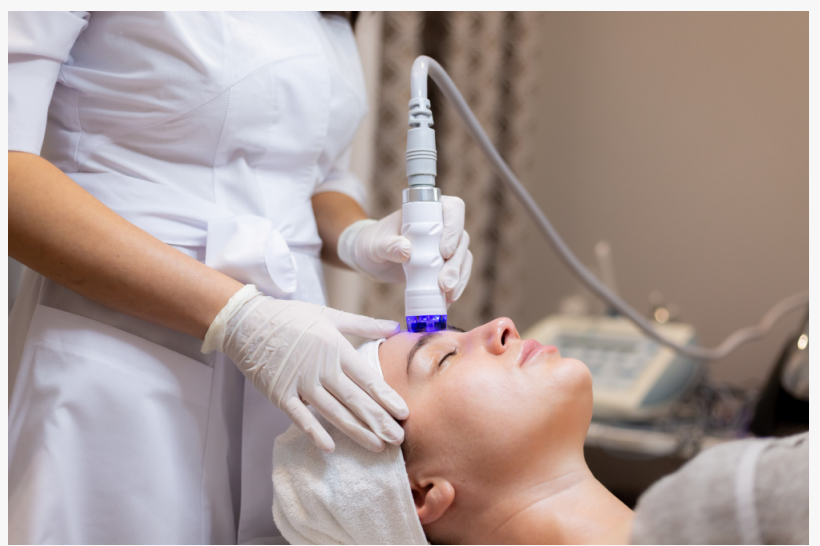
any potential effects are determined by the laser's frequency.

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Benefits of Laser Surgery Procedure:

The global [surgical laser market size](#) was estimated to be US\$ 6.3 Billion in 2022 and is expected to reach US\$ 18.1 Billion by 2032 at a CAGR of 11.1%. There are various reasons to utilize lasers in surgery and other medical procedures. A number of the more widespread signs include the

ones listed below. Tumors or other cancerous growths can be reduced in size or eliminated using them. Laser procedures block up tiny blood arteries, hence reducing the risk of blood loss. Other common uses for lasers include dental and refractive surgery. Aside from treating some skin disorders, they are also used in dermatology to get rid of birthmarks, acne, warts, moles, piercings, wrinkles, scarring, and undesirable hair.



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Opportunities and Growth Potential:

The rising rate and incidence of specific ailments, technical improvements, a growing number of cases of persistent illnesses, and the widespread nature of ocular problems are all factors contributing to the increase of interest in surgical lasers. The market is expanding as a result of patients and healthcare professionals' increasing desire for minimally invasive procedures. Another significant element driving the rising popularity and demand for sophisticated cosmetic procedures around the world, in both established and emerging nations, is the growing knowledge of modern cosmetic techniques.

The market for surgical lasers is simultaneously expanding due to the medical tourism sector and the prevalence of globalization of the medical industry. Human population has been steadily increasing in numbers over the past few decades and travel abroad for medical care. To draw patients, many nations have positioned themselves as having top-notch healthcare facilities and cutting-edge technology. The less developed world is now taking advantage of the increased demand for health services by meeting them with improved amenities and at lower costs due to the high cost of procedures and therapies in the industrialized world.

Carbon dioxide (CO₂) lasers, argon lasers, Nd: YAG lasers, diode lasers, and other surgical lasers (fiber lasers, dye lasers, Er: YAG lasers, and excimer lasers) are the five types of lasers that make up the market. Owing to the extensive accessibility to cutting-edge CO₂-based surgery lasers and ongoing advances in beauty laser therapy, the CO₂ lasers category is experiencing the greatest compound annual growth rate in the market.

Major Segments and Their Growth:

The market is divided into open procedures, laparoscopic surgery, and percutaneous treatment according to the type of operation. In the upcoming years, the laparoscopic surgery category is anticipated to rule the market. The procedural advantages of laparoscopic operations, rising awareness among patients, and market desire for less-invasive medical treatments are all factors

contributing to this growth. On the other hand, the market is divided into categories depending on the application, including ophthalmology, dental hygiene, skincare, cardiology, gynecology, urology, cancer treatment, and other specialties such as ENT, liposuction, and GIT. The surgical laser market's fastest-growing sector is anticipated to be in the field of urology.

The rising incidence of urological conditions such as renal cancer, kidney stones, and prostate enlargement, patients' growing demand for fewer invasive urological procedures, and continuing technological developments in surgical laser products are the main drivers of the expansion of this application category.

Regional Market Presence:

The market is divided into four geographic regions based on geography:

Europe, Asia-Pacific, North America, and the Rest of the World. The surgical lasers market is expected to be dominated by North America in 2016. The growth of this market was made possible by elements like the increasing number of scientific tests, the substantial medical payment accessible in the United States for laser-assisted operations, and the presence of numerous cosmetic laser manufacturing companies in the area. During the projected period, the Asia-Pacific market is anticipated to develop at the highest CAGR. The growing elderly population, increased incidence of specific conditions like cancer and coronary artery disease, and a significant number of patients are all factors that contribute to the growth potential in the Asia-Pacific area.

Rising healthcare costs and increasing incomes per capita are causing developing countries like Mexico, India, and Brazil to grow significantly. The target market is expanding, and eye problems are very common, which are additional elements driving the expansion. In the upcoming years, market growth is anticipated to be fueled by the healthcare sector's rapid technological advancements as well as the increased frequency of chronic conditions like heart surgery and ocular ailments.

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Key Companies and Their Recent Activities:

Photomedex, Inc., Boston Scientific Corp., Abbott Laboratories Inc., Biolitec AG, Alma Lasers Co., BISON MEDICAL Co., Ltd., and Lumenis Ltd. are significant market leaders. Major players expanded their line of product range in the global market primarily through new product introductions, product upgrades, and approvals.

Several players in the market also utilized tactics like partnerships and acquisitions to strengthen their position and raise their awareness in the market. For example, Abbott Laboratories, Inc.,

disclosed an income of US\$ 30.78 billion in 2018. According to its revenue section and spatial evaluation, the company's dominant revenue section is heart disease and neurological regulation, with North America as its primary revenue-producing region.

Market Segmentation:

By Type

- Carbon dioxide (CO2) lasers
- Argon lasers
- ND: Yag laser
- Diode lasers
- Solid state laser
- Other

By Product type

- Open surgery
- Laparoscopic surgery
- Percutaneous surgery lasers

By Application

- Ophthalmology
- Dermatology
- Dentistry
- Urology
- Cardiology
- Gynaecology
- Oncology

By Region

- North America
 - > United States
 - > Canada
 - > Rest of North America
- Europe
 - > Germany
 - > United Kingdom
 - > Italy
 - > France

- > Spain
- > Rest of Europe

- Asia Pacific

- > Japan
- > India
- > China
- > Australia
- > South Korea
- > Rest of Asia Pacific

- Middle East & Africa

- > UAE
- > Saudi Arabia
- > South Africa
- > Rest of the Middle East & Africa

- South America

- > Brazil
- > Rest of South America

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