

# **Surgical Laser Rental Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Solid State Lasers, Gas Laser System, Diode Laser System, Others), By Application (Surgical, Dentistry, Ophthalmology), By Rental Offering (Short Term Rentals, Long Term Rentals), By End Use (Inpatient Facilities, Outpatient Facilities), By Region and Competition, 2020-2030F**

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## **Abstracts**

### **Market Overview**

Global Surgical Laser Rental Market was valued at USD 10.41 Billion in 2024 and is expected to reach USD 15.98 Billion by 2030 with a CAGR of 7.38%. The Global Surgical Laser Rental Market is experiencing substantial growth as healthcare providers increasingly adopt minimally invasive procedures that offer faster recovery, reduced complications, and improved patient outcomes. Surgical lasers are being used across a wide range of medical applications, including ophthalmology, dermatology, urology, gynecology, and oncology, making them integral to modern surgical practices. The high cost of purchasing advanced laser systems, coupled with the need for access to the latest technologies, has encouraged hospitals and clinics to opt for rental models. Rental services allow healthcare facilities to access cutting-edge laser systems without the significant capital investment, enabling smaller clinics and outpatient centers to expand their surgical offerings. Technological improvements in laser precision, safety, and versatility are further boosting adoption, as surgeons can perform complex procedures with higher accuracy and minimal invasiveness.

Market growth is driven by rising demand for minimally invasive surgeries, which reduce patient hospitalization time, lower the risk of infections, and enhance post-operative recovery. The trend toward outpatient surgical centers and ambulatory care facilities has created opportunities for rental models, as these facilities often lack the budget to invest in costly equipment outright. Technological advancements in laser systems, such as improved wavelength targeting, real-time imaging integration, and ergonomic designs, are making procedures safer and more efficient. Hospitals and specialty clinics increasingly prefer flexible rental agreements that allow them to upgrade systems regularly, stay compliant with regulatory standards, and avoid obsolescence. Rising awareness among patients regarding the benefits of laser-assisted surgeries, coupled with the growing emphasis on precision medicine, is further fueling the market.

Challenges in the Global Surgical Laser Rental Market include the high maintenance costs of laser systems, which require specialized servicing and periodic calibration to ensure safety and performance. The complexity of operating certain advanced laser systems necessitates trained personnel, and lack of adequate training can limit adoption. Strict regulatory requirements for medical device safety and usage also pose barriers, as rental providers must ensure compliance while facilitating timely access to equipment. Competition from alternative surgical technologies, such as robotic-assisted systems and traditional electrosurgical devices, can affect demand for laser rentals in some specialties. Despite these challenges, the market is poised for growth due to flexible rental models, expanding adoption of minimally invasive techniques, and continuous innovation in laser technology that enhances surgical outcomes, reduces operational costs, and improves patient satisfaction.

## **Key Market Drivers**

### **Rising Demand for Minimally Invasive Surgeries**

A significant driver for the Global Surgical Laser Rental Market is the increasing demand for minimally invasive surgeries (MIS), which have become a cornerstone of modern medical practice due to their benefits of reduced recovery times, minimized scarring, and lower complication rates. According to data from the Healthcare Cost and Utilization Project (HCUP), the annual volume of inpatient MIS cases in the United States more than doubled from 1993 to 2014, indicating a substantial shift towards these procedures over the past few decades.

In 2018, there were 14.4 million operating room procedures performed during inpatient

stays, with a significant portion being minimally invasive, reflecting the growing preference for such techniques.

Surgical lasers are integral to the success of MIS, offering precision and control that traditional surgical tools may not provide. However, the high cost of purchasing advanced laser systems can be prohibitive for many healthcare facilities, particularly smaller hospitals and outpatient centers. Rental models present a viable solution, allowing these institutions to access state-of-the-art equipment without the substantial upfront investment. This approach not only makes advanced technology more accessible but also ensures that healthcare providers can offer the latest treatments to patients, thereby improving clinical outcomes and patient satisfaction. As the trend towards minimally invasive procedures continues to grow, the demand for surgical laser rentals is expected to rise, further driving the expansion of this market.

## **Key Market Challenges**

### **High Maintenance and Servicing Costs**

A major challenge confronting the Global Surgical Laser Rental Market is the high maintenance and servicing costs associated with advanced laser systems. Surgical lasers are complex medical devices that require precise calibration, regular preventive maintenance, and timely repairs to ensure safe and effective operation. Rental providers are responsible for maintaining these systems across multiple healthcare facilities, which involves deploying skilled technicians, stocking replacement parts, and scheduling routine inspections. The operational and logistical demands significantly increase the cost structure for rental companies, which may affect profitability and pricing strategies. For healthcare facilities, any equipment malfunction or downtime can disrupt surgical schedules, potentially delaying procedures and impacting patient care. Maintaining optimal laser performance is critical, as even minor deviations in calibration can lead to reduced procedural accuracy, longer operating times, and increased risk of complications.

The challenge is amplified for facilities using high-volume or multi-specialty laser systems, where consistent functionality is essential to manage a wide range of procedures across ophthalmology, dermatology, urology, and cosmetic surgery. Some rental providers attempt to mitigate these risks through service contracts, on-site technical support, and remote monitoring solutions. However, ensuring rapid response times and uninterrupted service remains a logistical and financial burden. High maintenance costs also influence rental pricing, making it necessary for providers to

balance affordability for hospitals with the need to cover operational expenses. As the market expands, addressing maintenance challenges through standardized protocols, predictive servicing, and efficient resource management will be critical to sustaining growth and ensuring customer satisfaction, making it a key concern for both rental providers and healthcare facilities in the surgical laser ecosystem.

## **Key Market Trends**

### **Surge in Minimally Invasive Procedures**

A key trend driving the Global Surgical Laser Rental Market is the surge in minimally invasive procedures, which are increasingly preferred by both patients and healthcare providers for their numerous clinical benefits. These procedures, including laparoscopic, ophthalmic, dermatological, and urological surgeries, are designed to reduce tissue trauma, minimize scarring, and shorten recovery times, leading to improved patient satisfaction and faster hospital turnover. Surgical lasers play a critical role in enabling such procedures, offering precision, controlled energy delivery, and reduced bleeding, which enhances procedural safety and effectiveness. As hospitals and specialty clinics seek to meet growing patient demand for these advanced interventions, access to high-performance laser systems becomes essential. Rental models have emerged as a practical solution, allowing healthcare facilities to utilize state-of-the-art laser equipment without incurring the significant capital expenditure associated with outright purchases.

The trend is further reinforced by the rise of outpatient and ambulatory surgical centers, which increasingly offer minimally invasive procedures as a cost-effective alternative to inpatient care. These centers benefit from flexible rental agreements that provide access to advanced laser systems on-demand, ensuring that procedural capacity can be scaled according to patient volume and surgical requirements. Technological innovations in laser systems, including multi-wavelength platforms, improved beam control, and integration with imaging technologies, are expanding the range of procedures that can be performed safely and efficiently. Patient awareness of the benefits of minimally invasive surgery, such as reduced pain, shorter hospital stays, and faster return to daily activities, is also increasing adoption. As healthcare providers continue to prioritize precision, efficiency, and patient outcomes, the surge in minimally invasive procedures is expected to remain a defining trend in the surgical laser rental market.

## **Key Market Players**

HealthTronics, Inc.

Advanced Surgical Technologies

LASERent

Southland Surgical Laser Rental

Southeast Laser Systems, Inc.

Mobile Med Surgical Inc.

Laser Surgical of Florida, Inc.

Lynton Surgical

Phoxton

Laser 2000 GmbH

### **Report Scope:**

In this report, the Global Surgical Laser Rental Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Surgical Laser Rental Market, By Type:

Solid State Lasers

Gas Laser System

Diode Laser System

Others

#### Surgical Laser Rental Market, By Application:

Surgical

Dentistry

Ophthalmology

Surgical Laser Rental Market, By Rental Offering:

Short Term Rentals

Long Term Rentals

Surgical Laser Rental Market, By End Use:

Inpatient Facilities

Outpatient Facilities

Surgical Laser Rental Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

## Asia-Pacific

China

India

Japan

Australia

South Korea

## South America

Brazil

Argentina

Colombia

## Middle East & Africa

South Africa

Saudi Arabia

UAE

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Surgical Laser Rental Market.

## Available Customizations:

Global Surgical Laser Rental Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

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customization options are available for the report:

### **Company Information**

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

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