

Vascular Lesion Treatment Laser Market to Reach USD \$2.75 Billion by 2029 at 10.8% CAGR

*The Business Research Company's
Vascular Lesion Treatment Laser Global
Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

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How Big Is The Vascular Lesion Treatment Laser Market In 2025?

The [market size for lasers used in treating vascular lesions](#) has seen a quick expansion recently.

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The Business Research
Company's Latest Report
Explores Market Driver,
Trends, Regional Insights -
Market Sizing & Forecasts
Through 2034”

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The market is projected to elevate from \$1.64 billion in 2024, to \$1.83 billion in 2025, with a Compound Annual Growth Rate (CAGR) of 11.1%. Factors contributing to the historical growth include the increasing instances of vascular lesions in aging demographics, a rise in consciousness towards cosmetic and aesthetic procedures, a growing acceptance of minimally invasive laser therapies, increased easy access to dermatology clinics and specialty centers, and the expanding impact of medical tourism in developing economies.

The market for laser treatment of vascular lesions is predicted to witness a swift expansion in the upcoming years. It is projected to swell to a size of \$2.75 billion by 2029, with a compound annual growth rate (CAGR) of 10.8%. The surge for the projected duration can be credited to a growing preference for non-intrusive, painless treatment alternatives, increasing access to multi-functional laser platforms, improvement in healthcare facilities in emerging countries, higher adoption of laser therapy over conventional surgery, and a greater emphasis on individualized and targeted aesthetic procedures. Key trends during the forecast period are projected to be the development of laser treatment platforms powered by artificial intelligence, building user-centric

interfaces for dermatologists and clinics, pairing laser systems with imaging and diagnostic tools, incorporating robotics and automation into laser procedures, and the innovation of multi-wavelength laser platforms for flexibility.

Download a free sample of the vascular lesion treatment laser market report:

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What Are The Key Driving Factors For The Growth Of The Vascular Lesion Treatment Laser Market?

The growth of the vascular lesion treatment laser market is fuelled by the rising demand for minimally invasive procedures. These procedures, which involve small incisions or use of natural body openings, are preferred over traditional surgery due to less tissue damage, faster recovery time and fewer complications. The preference for minimally invasive procedures arises from their benefits like reduced pain, shortened hospital stays and quicker resumption of everyday activities compared to traditional surgeries. Vascular lesion treatment lasers augment these procedures by specifically targeting abnormal blood vessels, limiting tissue damage and encouraging swift recovery with minimal scarring. According to the American Society of Plastic Surgeons, a non-profit organization from the United States, there was a 7% increase in the usage of minimally invasive procedures in 2023 compared to an increase of only 2% in surgical procedures. Consequently, the escalating demand for minimally invasive procedures is spurring the growth of the vascular lesion treatment laser market.

Who Are The Key Players In The Vascular Lesion Treatment Laser Industry?

Major players in the Vascular Lesion Treatment Laser Global Market Report 2025 include:

- El.En. S.p.A.
- Lumenis Ltd.
- Candela Corporation
- Alma Lasers Ltd.
- DEKA M.E.L.A. S.r.l.
- Venus Concept Inc.
- Fotona d.o.o.
- Sciton Inc.
- Sensus Healthcare Inc.
- Biolitec AG

What Are The Key Trends Shaping The Vascular Lesion Treatment Laser Industry?

Key players within the vascular lesion treatment laser market are prioritizing the advancement of cutting-edge solutions, such as dual-wavelength laser platforms, in order to improve the accuracy and effectiveness of a multitude of vascular condition treatments. These dual-wavelength laser platforms are sophisticated medical instruments that merge two laser wavelengths into a single system, thereby treating various vascular lesions more proficiently and with less harm to nearby tissue. For instance, Candela Medical Inc., a medical device corporation located in the US, unveiled the Vbeam Pro laser platform in April 2025. This superior system

brings together a 595 nm pulsed dye laser with a 1064 nm Nd:YAG wavelength into a dual-wavelength platform which has received FDA approval for usage on children. It offers increased accuracy, flexibility, and efficacy in treating a variety of vascular and dermatological conditions such as rosacea, port-wine stains, acne, varicose and spider veins, scars, benign pigmented lesions, wrinkles, warts, stretch marks, and photoaging. The ingenious construction of this system allows for up to 20% higher lesion clearance, treatment times which are 50% faster, and a 20% reduction in patient discomfort when compared to its predecessors, thereby marking a significant leap in pulsed dye laser technology.

What [Segments Are Covered In The Vascular Lesion Treatment Laser](#) Market Report?

The vascular lesion treatment laser market covered in this report is segmented as

- 1) By Type: Telangiectasia, Hemangiomas, Varicose Veins, Port Wine Stains
- 2) By Technology: Pulsed Dye Laser, Neodymium-doped Yttrium Aluminum Garnet laser, Intense Pulsed Light (IPL), Diode Laser, Erbium Laser
- 3) By Application: Aesthetic Procedures, Medical Treatments, Cosmetic Enhancements, Skin Resurfacing, Tattoo Removal
- 4) By End User: Hospitals, Dermatology Clinics, Cosmetic Surgery Centers, Ambulatory Surgical Centers, Home Care Settings

Subsegments:

- 1) By Telangiectasia: Facial Spider Veins, Leg Spider Veins, Truncal Spider Veins
- 2) By Hemangiomas: Infantile Hemangiomas, Congenital Hemangiomas, Capillary Hemangiomas, Cavernous Hemangiomas
- 3) By Varicose Veins: Superficial Varicose Veins, Deep Varicose Veins, Perforator Vein Varicosities
- 4) By Port Wine Stains: Facial Port Wine Stains, Limb Port Wine Stains, Truncal Port Wine Stains

View the full vascular lesion treatment laser market report:

<https://www.thebusinessresearchcompany.com/report/vascular-lesion-treatment-laser-global-market-report>

Which Region Is Expected To Lead The Vascular Lesion Treatment Laser Market By 2025?

In 2024, North America dominated the global market for vascular lesion treatment lasers. However, Asia-Pacific is predicted to witness the quickest expansion in the projected period. The global report on this market takes into account diverse regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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