

Global Laser Diode Market is segmented by End user application (Healthcare/Medical, Telecommunication, Industrial, Automotive, Other End-user Applications), Regional Forecasts 2021-2027

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Abstracts

Global Laser Diode Market is valued approximately at USD 8.84 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 11.2% over the forecast period 2021-2027. A laser diode is a semiconductor device capable of generating coherent radiations in the visible and infrared (IR) spectrum when current passes through it. Laser diodes are gaining popularity and are becoming an important part of advanced technology, with applications in communications, optical fiber systems, compact disc (CD) players, laser printers, remote-control devices, intrusion detection systems, laser printers, industrial processing machinery, and laser pointers, among others. The market is driven by growing directed energy application of laser diode and increasing adoption of high-power laser diodes in autonomous vehicle technologies. For instance, in October 2019, BluGlass Ltd, an Australian semiconductor company, launched its direct-to-market business unit, which will offer GaN laser diodes with higher brightness and efficiency. Industrial lasers, automotive and general illumination, displays, and life sciences are only a few of commercial uses for the laser diodes. Strong local demand boosted the Asia-Pacific semiconductors market, propelling it to the top of the international rankings. According to WSTS, the semiconductor industry in Asia-Pacific (excluding Japan) is anticipated to generate about USD 297 billion in revenue in 2019. However, high initial investments may impede market growth over the forecast period of 2021-2027.

The laser diode market in Asia-Pacific is expanding rapidly, owing to the region's extensive presence of electronics and automobile manufacturing companies, as well as rising consumer purchasing power. The region is also seeing an increase in the use of

smartphones and the digitalization of corporate operations, which is fueling the use of laser diodes in the consumer electronics and automotive industries.

Major market player included in this report are:

OSRAM Opto Semiconductors Inc.
Cutting Edge Optronics Inc. (Northrop Grumman Corp.)
Frankfurt Laser Company
ROHM Semiconductor USA LLC
Hamamatsu Photonics K.K.
Nichia Corporation
Sharp Corporation
IPG Photonics Corporation
Sumitomo Corporation
OSI Laser Diode Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By End user application:

Healthcare/Medical
Telecommunication
Industrial
Automotive
Other End-user Applications

By Region:

North America
U.S.
Canada
Europe
UK
Germany

France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027.

Target Audience of the Global Laser Diode Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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