

# Global DBR and DFB Laser Market Growth 2022-2028

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## Abstracts

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A distributed Bragg reflector laser (DBR) is a type of single frequency laser diode. Other practical types of single frequency laser diodes include DFB lasers and external cavity diode lasers. A distributed-feedback laser (DFB) is a type of laser diode, quantum-cascade laser or optical-fiber laser where the active region of the device contains a periodically structured element or diffraction grating. The structure builds a one-dimensional interference grating (Bragg scattering), and the grating provides optical feedback for the laser. The differences between DBR lasers and DFB lasers. The distinguishing difference between the two architectures is the location of the grating within the epitaxial structure. The DBR uses a high index contrast, high reflectivity surface grating. The DFB uses a low index contrast, low reflectivity buried grating.

The global market for DBR and DFB Laser is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC DBR and DFB Laser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States DBR and DFB Laser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe DBR and DFB Laser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China DBR and DFB Laser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key DBR and DFB Laser players cover II-VI Incorporated, Inphenix, Lumentum Operations, Frankfurt Laser and AdTech Optics, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

## Report Coverage

This latest report provides a deep insight into the global DBR and DFB Laser market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global DBR and DFB Laser market, with both quantitative and qualitative data, to help readers understand how the DBR and DFB Laser market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in K Units.

## Market Segmentation:

The study segments the DBR and DFB Laser market and forecasts the market size by Type (DBR Laser and DFB Laser), by Application (Communications Industry, Automobile Industry, Medical Industry and Others), and region (APAC, Americas, Europe, and Middle East & Africa).

## Segmentation by type

DBR Laser

DFB Laser

## Segmentation by application

Communications Industry

Automobile Industry

Medical Industry

Others

## Segmentation by region

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

II-VI Incorporated

Inphenix

Lumentum Operations

Frankfurt Laser

AdTech Optics

Nanoplus

Innolume

Modulight

Hamamatsu

Broadcom

Laser Components

Vescent

Photodigm

Thorlabs

LD-PD

## Chapter Introduction

Chapter 1: Scope of DBR and DFB Laser, Research Methodology, etc.

Chapter 2: Executive Summary, global DBR and DFB Laser market size (sales and revenue) and CAGR, DBR and DFB Laser market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: DBR and DFB Laser sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global DBR and DFB Laser sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global DBR and DFB Laser market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including II-VI Incorporated, Inphenix, Lumentum Operations, Frankfurt Laser, AdTech Optics, Nanoplus, Innolume, Modulight and Hamamatsu, etc.

Chapter 14: Research Findings and Conclusion

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