

Semiconductor Lasers Market - Global Outlook and Forecast 2022-2028

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Abstracts

A semiconductor laser (LD) is a device that causes laser oscillation by flowing an electric current to semiconductor. The mechanism of light emission is the same as a light-emitting diode (LED). Light is generated by flowing the forward current to a p-n junction. In forward bias operation, the p-type layer is connected with the positive terminal and the n-type layer is connected with the negative terminal, electrons enter from the n-type layer and holes from the p-type layer. When the two meet at the junction, an electron drops into a hole and light is emitted at the time.

This report contains market size and forecasts of Semiconductor Lasers in global, including the following market information:

Global Semiconductor Lasers Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Semiconductor Lasers Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Semiconductor Lasers companies in 2021 (%)

The global Semiconductor Lasers market was valued at 2773.9 million in 2021 and is projected to reach US\$ 5100.8 million by 2028, at a CAGR of 9.1% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Blue Laser Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Semiconductor Lasers include Sony, Nichia, QSI, Sharp, ROHM, Ushio, Osram, TOPTICA Photonics and Huagang Photoelectric, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Semiconductor Lasers manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Semiconductor Lasers Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Semiconductor Lasers Market Segment Percentages, by Type, 2021 (%)

Blue Laser

Red Laser

Infrared Laser

Other

Global Semiconductor Lasers Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Semiconductor Lasers Market Segment Percentages, by Application, 2021 (%)

Optical Storage & Display

Telecom & Communication

Industrial Applications

Medical Application

Others

Global Semiconductor Lasers Market, By Region and Country, 2017-2022, 2023-2028
(\$ Millions) & (K Units)

Global Semiconductor Lasers Market Segment Percentages, By Region and Country,
2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Semiconductor Lasers revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Semiconductor Lasers revenues share in global market, 2021 (%)

Key companies Semiconductor Lasers sales in global market, 2017-2022 (Estimated),
(K Units)

Key companies Semiconductor Lasers sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Sony

Nichia

QSI

Sharp

ROHM

Ushio

Osram

TOPTICA Photonics

Huagang Photoelectric

Panasonic

Hamamatsu

Newport Corp

Egismos Technology

Arima Lasers

Finisar

Mitsubishi Electric

Coherent(Ondax)

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