

Global Blue Laser Diodes Market Data Survey Report 2025

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Abstracts

Summary

Laser diodes are electrically pumped semiconductor lasers in which the gain is generated by an electrical current flowing through a p–n junction or (more frequently) a p–i–n structure. In such a heterostructure, electrons and holes can recombine, releasing the energy portions as photons. This process can be spontaneous, but can also be stimulated by incident photons, in effect leading to optical amplification, and with optical feedback in a laser resonator to laser oscillation. A blue laser diode emits electromagnetic radiation with a wavelength between 405 and 483 nanometres, which the human eye sees as blue or violet.

The global Blue Laser Diodes market will reach Volume Million USD in 2017 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)

Average market price by SUK

Major applications

Key manufacturers are included based on manufacturing sites, capacity and production,

product specifications etc.:

Sony

Nichia

Sharp

Osram Opto Semiconductors

USHIO

TOPTICA Photonics Inc.

Egismos Technology Corporation

Ondax

Major applications
as follows:

Bio/Medical

Laser Projectors and Scanner

Blu-Ray Devices

Others

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

Contents

1 GLOBAL MARKET OVERVIEW

- 1.1 Scope of Statistics
 - 1.1.1 Scope of Products
 - 1.1.2 Scope of Manufacturers
 - 1.1.3 Scope of Application
 - 1.1.4 Scope of Regions/Countries
- 1.2 Global Market Size

2 REGIONAL MARKET

- 2.1 Regional Production
- 2.2 Regional Demand
- 2.3 Regional Trade

3 KEY MANUFACTURERS

- 3.1 Sony
 - 3.1.2 Company Information
 - 3.1.2 Product Specifications
 - 3.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 3.2 Nichia
 - 3.2.1 Company Information
 - 3.2.2 Product Specifications
 - 3.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 3.3 Sharp
 - 3.3.1 Company Information
 - 3.3.2 Product Specifications
 - 3.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 3.4 Osram Opto Semiconductors
 - 3.4.1 Company Information
 - 3.4.2 Product Specifications
 - 3.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 3.5 USHIO
 - 3.5.1 Company Information
 - 3.5.2 Product Specifications
 - 3.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

3.6 TOPTICA Photonics Inc.

3.6.1 Company Information

3.6.2 Product Specifications

3.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

3.7 Egismos Technology Corporation

3.7.1 Company Information

3.7.2 Product Specifications

3.7.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

3.8 Ondax

3.8.1 Company Information

3.8.2 Product Specifications

3.8.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

4 MAJOR APPLICATION

4.1 Bio/Medical

4.1.1 Overview

4.1.2 Bio/Medical Market Size and Forecast

4.2 Laser Projectors and Scanner

4.2.1 Overview

4.2.2 Laser Projectors and Scanner Market Size and Forecast

4.3 Blu-Ray Devices

4.3.1 Overview

4.3.2 Blu-Ray Devices Market Size and Forecast

4.4 Others

4.4.1 Overview

4.4.2 Others Market Size and Forecast

5 MARKET PRICE

5.1 Overview

5.2 Price by SUK

6 CONCLUSION

List Of Tables

LIST OF TABLES

- Tab REGIONAL PRODUCTION 2011-2017 (VALUE)
- Tab Regional Production 2011-2017 (Volume)
- Tab Regional Demand and CAGR 2011-2017 (Value)
- Tab Regional Demand and CAGR 2011-2017 (Volume)
- Tab Regional Demand Forecast and CAGR 2018-2025 (Value)
- Tab Regional Demand Forecast and CAGR 2018-2025 (Volume)
- Tab Regional Export 2011-2017 (Value)
- Tab Regional Export 2011-2017 (Volume)
- Tab Regional Import 2011-2017 (Value)
- Tab Regional Import 2011-2017 (Volume)
- Tab Sales Revenue, Volume, Price, Cost and Margin of Sony
- Tab Sales Revenue, Volume, Price, Cost and Margin of Nichia
- Tab Sales Revenue, Volume, Price, Cost and Margin of Sharp
- Tab Sales Revenue, Volume, Price, Cost and Margin of Osram Opto Semiconductors
- Tab Sales Revenue, Volume, Price, Cost and Margin of USHIO
- Tab Sales Revenue, Volume, Price, Cost and Margin of TOPTICA Photonics Inc.
- Tab Sales Revenue, Volume, Price, Cost and Margin of Egismos Technology Corporation
- Tab Sales Revenue, Volume, Price, Cost and Margin of Ondax
- Tab Market Price by Region
- Tab Market Price by Manufacturers
- Tab Market Price by Application
- Tab Price by SUK (Popular Goods on the Market)

List Of Figures

LIST OF FIGURES

- Fig Global Blue Laser Diodes Market Size and CAGR 2011-2017 (Value)
- Fig Global Blue Laser Diodes Market Size and CAGR 2011-2017 (Volume)
- Fig Global Blue Laser Diodes Market Forecast and CAGR 2018-2025 (Value)
- Fig Global Blue Laser Diodes Market Forecast and CAGR 2018-2025 (Volume)
- Fig Bio/Medical Market Size and CAGR 2011-2017 (Value)
- Fig Bio/Medical Market Size and CAGR 2011-2017 (Volume)
- Fig Bio/Medical Market Forecast and CAGR 2018-2025 (Value)
- Fig Bio/Medical Market Forecast and CAGR 2018-2025 (Volume)
- Fig Laser Projectors and Scanner Market Size and CAGR 2011-2017 (Value)
- Fig Laser Projectors and Scanner Market Size and CAGR 2011-2017 (Volume)
- Fig Laser Projectors and Scanner Market Forecast and CAGR 2018-2025 (Value)
- Fig Laser Projectors and Scanner Market Forecast and CAGR 2018-2025 (Volume)
- Fig Blu-Ray Devices Market Size and CAGR 2011-2017 (Value)
- Fig Blu-Ray Devices Market Size and CAGR 2011-2017 (Volume)
- Fig Blu-Ray Devices Market Forecast and CAGR 2018-2025 (Value)
- Fig Blu-Ray Devices Market Forecast and CAGR 2018-2025 (Volume)
- Fig Others Market Size and CAGR 2011-2017 (Value)
- Fig Others Market Size and CAGR 2011-2017 (Volume)
- Fig Others Market Forecast and CAGR 2018-2025 (Value)
- Fig Others Market Forecast and CAGR 2018-2025 (Volume)
- Fig Global Market Price 2011-2017
- Fig Global Market Price 2018-2025

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