

# Global Laser Diodes Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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## Abstracts

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.

### SCOPE OF THE REPORT:

This report focuses on the Laser Diodes in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The industry is concentration, the key brand include Sony, Nichia, Sharp, Osram Opto Semiconductors, USHIO, TOPTICA Photonics Inc, Egismos Technology Corporation and Ondax. These companies occupied more than 90% market share by revenue in 2016.

The industry is expected to remain innovation-led, with frequent acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Market stays in mature period with a clear concentration. There hardly to have obvious technology breakthrough except deeper system function integration. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins. Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times.

Despite the presence of competition problems, due to the global recovery trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field. Even so, the market is intensely competitive. The study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

The worldwide market for Laser Diodes is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Sony

Nichia

Sharp

Osram Opto Semiconductors

USHIO

TOPTICA Photonics Inc.

Egismos Technology Corporation

Ondax

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Single-Mode Blue Laser Diode

Multi-Mode Blue Laser Diode

Market Segment by Applications, can be divided into

Bio/Medical

Laser Projectors and Scanner

Blu-Ray Devices

Others

There are 15 Chapters to deeply display the global Laser Diodes market.

Chapter 1, to describe Laser Diodes Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Laser Diodes, with sales, revenue, and price of Laser Diodes, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Laser Diodes, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Laser Diodes market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Laser Diodes sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Laser Diodes Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Single-Mode Blue Laser Diode
  - 1.2.2 Multi-Mode Blue Laser Diode
- 1.3 Market Analysis by Applications
  - 1.3.1 Bio/Medical
  - 1.3.2 Laser Projectors and Scanner
  - 1.3.3 Blu-Ray Devices
  - 1.3.4 Others
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (United States, Canada and Mexico)
    - 1.4.1.1 United States Market States and Outlook (2013-2023)
    - 1.4.1.2 Canada Market States and Outlook (2013-2023)
    - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2013-2023)
    - 1.4.2.2 France Market States and Outlook (2013-2023)
    - 1.4.2.3 UK Market States and Outlook (2013-2023)
    - 1.4.2.4 Russia Market States and Outlook (2013-2023)
    - 1.4.2.5 Italy Market States and Outlook (2013-2023)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2013-2023)
    - 1.4.3.2 Japan Market States and Outlook (2013-2023)
    - 1.4.3.3 Korea Market States and Outlook (2013-2023)
    - 1.4.3.4 India Market States and Outlook (2013-2023)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
    - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
    - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
    - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities
  - 1.5.2 Market Risk

### 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 Sony

#### 2.1.1 Business Overview

#### 2.1.2 Laser Diodes Type and Applications

##### 2.1.2.1 Product A

##### 2.1.2.2 Product B

#### 2.1.3 Sony Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.2 Nichia

#### 2.2.1 Business Overview

#### 2.2.2 Laser Diodes Type and Applications

##### 2.2.2.1 Product A

##### 2.2.2.2 Product B

#### 2.2.3 Nichia Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.3 Sharp

#### 2.3.1 Business Overview

#### 2.3.2 Laser Diodes Type and Applications

##### 2.3.2.1 Product A

##### 2.3.2.2 Product B

#### 2.3.3 Sharp Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.4 Osram Opto Semiconductors

#### 2.4.1 Business Overview

#### 2.4.2 Laser Diodes Type and Applications

##### 2.4.2.1 Product A

##### 2.4.2.2 Product B

#### 2.4.3 Osram Opto Semiconductors Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.5 USHIO

#### 2.5.1 Business Overview

#### 2.5.2 Laser Diodes Type and Applications

##### 2.5.2.1 Product A

##### 2.5.2.2 Product B

#### 2.5.3 USHIO Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.6 TOPTICA Photonics Inc.

### 2.6.1 Business Overview

### 2.6.2 Laser Diodes Type and Applications

#### 2.6.2.1 Product A

#### 2.6.2.2 Product B

### 2.6.3 TOPTICA Photonics Inc. Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.7 Egismos Technology Corporation

### 2.7.1 Business Overview

### 2.7.2 Laser Diodes Type and Applications

#### 2.7.2.1 Product A

#### 2.7.2.2 Product B

### 2.7.3 Egismos Technology Corporation Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.8 Ondax

### 2.8.1 Business Overview

### 2.8.2 Laser Diodes Type and Applications

#### 2.8.2.1 Product A

#### 2.8.2.2 Product B

### 2.8.3 Ondax Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## **3 GLOBAL LASER DIODES SALES, REVENUE, MARKET SHARE AND COMPETITION BY MANUFACTURER (2016-2017)**

### 3.1 Global Laser Diodes Sales and Market Share by Manufacturer (2016-2017)

### 3.2 Global Laser Diodes Revenue and Market Share by Manufacturer (2016-2017)

### 3.3 Market Concentration Rate

#### 3.3.1 Top 3 Laser Diodes Manufacturer Market Share in 2017

#### 3.3.2 Top 6 Laser Diodes Manufacturer Market Share in 2017

### 3.4 Market Competition Trend

## **4 GLOBAL LASER DIODES MARKET ANALYSIS BY REGIONS**

### 4.1 Global Laser Diodes Sales, Revenue and Market Share by Regions

#### 4.1.1 Global Laser Diodes Sales and Market Share by Regions (2013-2018)

#### 4.1.2 Global Laser Diodes Revenue and Market Share by Regions (2013-2018)

### 4.2 North America Laser Diodes Sales and Growth Rate (2013-2018)

### 4.3 Europe Laser Diodes Sales and Growth Rate (2013-2018)

- 4.4 Asia-Pacific Laser Diodes Sales and Growth Rate (2013-2018)
- 4.5 South America Laser Diodes Sales and Growth Rate (2013-2018)
- 4.6 Middle East and Africa Laser Diodes Sales and Growth Rate (2013-2018)

## **5 NORTH AMERICA LASER DIODES BY COUNTRIES**

- 5.1 North America Laser Diodes Sales, Revenue and Market Share by Countries
  - 5.1.1 North America Laser Diodes Sales and Market Share by Countries (2013-2018)
  - 5.1.2 North America Laser Diodes Revenue and Market Share by Countries (2013-2018)
- 5.2 United States Laser Diodes Sales and Growth Rate (2013-2018)
- 5.3 Canada Laser Diodes Sales and Growth Rate (2013-2018)
- 5.4 Mexico Laser Diodes Sales and Growth Rate (2013-2018)

## **6 EUROPE LASER DIODES BY COUNTRIES**

- 6.1 Europe Laser Diodes Sales, Revenue and Market Share by Countries
  - 6.1.1 Europe Laser Diodes Sales and Market Share by Countries (2013-2018)
  - 6.1.2 Europe Laser Diodes Revenue and Market Share by Countries (2013-2018)
- 6.2 Germany Laser Diodes Sales and Growth Rate (2013-2018)
- 6.3 UK Laser Diodes Sales and Growth Rate (2013-2018)
- 6.4 France Laser Diodes Sales and Growth Rate (2013-2018)
- 6.5 Russia Laser Diodes Sales and Growth Rate (2013-2018)
- 6.6 Italy Laser Diodes Sales and Growth Rate (2013-2018)

## **7 ASIA-PACIFIC LASER DIODES BY COUNTRIES**

- 7.1 Asia-Pacific Laser Diodes Sales, Revenue and Market Share by Countries
  - 7.1.1 Asia-Pacific Laser Diodes Sales and Market Share by Countries (2013-2018)
  - 7.1.2 Asia-Pacific Laser Diodes Revenue and Market Share by Countries (2013-2018)
- 7.2 China Laser Diodes Sales and Growth Rate (2013-2018)
- 7.3 Japan Laser Diodes Sales and Growth Rate (2013-2018)
- 7.4 Korea Laser Diodes Sales and Growth Rate (2013-2018)
- 7.5 India Laser Diodes Sales and Growth Rate (2013-2018)
- 7.6 Southeast Asia Laser Diodes Sales and Growth Rate (2013-2018)

## **8 SOUTH AMERICA LASER DIODES BY COUNTRIES**

- 8.1 South America Laser Diodes Sales, Revenue and Market Share by Countries

- 8.1.1 South America Laser Diodes Sales and Market Share by Countries (2013-2018)
- 8.1.2 South America Laser Diodes Revenue and Market Share by Countries (2013-2018)
- 8.2 Brazil Laser Diodes Sales and Growth Rate (2013-2018)
- 8.3 Argentina Laser Diodes Sales and Growth Rate (2013-2018)
- 8.4 Colombia Laser Diodes Sales and Growth Rate (2013-2018)

## **9 MIDDLE EAST AND AFRICA LASER DIODES BY COUNTRIES**

- 9.1 Middle East and Africa Laser Diodes Sales, Revenue and Market Share by Countries
  - 9.1.1 Middle East and Africa Laser Diodes Sales and Market Share by Countries (2013-2018)
  - 9.1.2 Middle East and Africa Laser Diodes Revenue and Market Share by Countries (2013-2018)
- 9.2 Saudi Arabia Laser Diodes Sales and Growth Rate (2013-2018)
- 9.3 UAE Laser Diodes Sales and Growth Rate (2013-2018)
- 9.4 Egypt Laser Diodes Sales and Growth Rate (2013-2018)
- 9.5 Nigeria Laser Diodes Sales and Growth Rate (2013-2018)
- 9.6 South Africa Laser Diodes Sales and Growth Rate (2013-2018)

## **10 GLOBAL LASER DIODES MARKET SEGMENT BY TYPE**

- 10.1 Global Laser Diodes Sales, Revenue and Market Share by Type (2013-2018)
  - 10.1.1 Global Laser Diodes Sales and Market Share by Type (2013-2018)
  - 10.1.2 Global Laser Diodes Revenue and Market Share by Type (2013-2018)
- 10.2 Single-Mode Blue Laser Diode Sales Growth and Price
  - 10.2.1 Global Single-Mode Blue Laser Diode Sales Growth (2013-2018)
  - 10.2.2 Global Single-Mode Blue Laser Diode Price (2013-2018)
- 10.3 Multi-Mode Blue Laser Diode Sales Growth and Price
  - 10.3.1 Global Multi-Mode Blue Laser Diode Sales Growth (2013-2018)
  - 10.3.2 Global Multi-Mode Blue Laser Diode Price (2013-2018)

## **11 GLOBAL LASER DIODES MARKET SEGMENT BY APPLICATION**

- 11.1 Global Laser Diodes Sales Market Share by Application (2013-2018)
- 11.2 Bio/Medical Sales Growth (2013-2018)
- 11.3 Laser Projectors and Scanner Sales Growth (2013-2018)
- 11.4 Blu-Ray Devices Sales Growth (2013-2018)

11.5 Others Sales Growth (2013-2018)

## **12 LASER DIODES MARKET FORECAST (2018-2023)**

12.1 Global Laser Diodes Sales, Revenue and Growth Rate (2018-2023)

12.2 Laser Diodes Market Forecast by Regions (2018-2023)

12.2.1 North America Laser Diodes Market Forecast (2018-2023)

12.2.2 Europe Laser Diodes Market Forecast (2018-2023)

12.2.3 Asia-Pacific Laser Diodes Market Forecast (2018-2023)

12.2.4 South America Laser Diodes Market Forecast (2018-2023)

12.2.5 Middle East and Africa Laser Diodes Market Forecast (2018-2023)

12.3 Laser Diodes Market Forecast by Type (2018-2023)

12.3.1 Global Laser Diodes Sales Forecast by Type (2018-2023)

12.3.2 Global Laser Diodes Market Share Forecast by Type (2018-2023)

12.4 Laser Diodes Market Forecast by Application (2018-2023)

12.4.1 Global Laser Diodes Sales Forecast by Application (2018-2023)

12.4.2 Global Laser Diodes Market Share Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

13.1 Sales Channel

13.1.1 Direct Marketing

13.1.2 Indirect Marketing

13.1.3 Marketing Channel Future Trend

13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

15.1 Methodology

15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Laser Diodes Picture  
Table Product Specifications of Laser Diodes  
Figure Global Sales Market Share of Laser Diodes by Types in 2017  
Table Laser Diodes Types for Major Manufacturers  
Figure Single-Mode Blue Laser Diode Picture  
Figure Multi-Mode Blue Laser Diode Picture  
Figure Laser Diodes Sales Market Share by Applications in 2017  
Figure Bio/Medical Picture  
Figure Laser Projectors and Scanner Picture  
Figure Blu-Ray Devices Picture  
Figure Others Picture  
Figure United States Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Canada Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Mexico Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Germany Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure France Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure UK Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Russia Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Italy Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure China Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Japan Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Korea Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure India Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Southeast Asia Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Brazil Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Egypt Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Saudi Arabia Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure South Africa Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Figure Nigeria Laser Diodes Revenue (Value) and Growth Rate (2013-2023)  
Table Sony Basic Information, Manufacturing Base and Competitors  
Table Sony Laser Diodes Type and Applications  
Table Sony Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Nichia Basic Information, Manufacturing Base and Competitors  
Table Nichia Laser Diodes Type and Applications

Table Nichia Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Sharp Basic Information, Manufacturing Base and Competitors

Table Sharp Laser Diodes Type and Applications

Table Sharp Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Osram Opto Semiconductors Basic Information, Manufacturing Base and Competitors

Table Osram Opto Semiconductors Laser Diodes Type and Applications

Table Osram Opto Semiconductors Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table USHIO Basic Information, Manufacturing Base and Competitors

Table USHIO Laser Diodes Type and Applications

Table USHIO Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table TOPTICA Photonics Inc. Basic Information, Manufacturing Base and Competitors

Table TOPTICA Photonics Inc. Laser Diodes Type and Applications

Table TOPTICA Photonics Inc. Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Egismos Technology Corporation Basic Information, Manufacturing Base and Competitors

Table Egismos Technology Corporation Laser Diodes Type and Applications

Table Egismos Technology Corporation Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Ondax Basic Information, Manufacturing Base and Competitors

Table Ondax Laser Diodes Type and Applications

Table Ondax Laser Diodes Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table Global Laser Diodes Sales by Manufacturer (2016-2017)

Figure Global Laser Diodes Sales Market Share by Manufacturer in 2016

Figure Global Laser Diodes Sales Market Share by Manufacturer in 2017

Table Global Laser Diodes Revenue by Manufacturer (2016-2017)

Figure Global Laser Diodes Revenue Market Share by Manufacturer in 2016

Figure Global Laser Diodes Revenue Market Share by Manufacturer in 2017

Figure Top 3 Laser Diodes Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Laser Diodes Manufacturer (Revenue) Market Share in 2017

Figure Global Laser Diodes Sales and Growth Rate (2013-2018)

Figure Global Laser Diodes Revenue and Growth Rate (2013-2018)

Table Global Laser Diodes Sales by Regions (2013-2018)

Table Global Laser Diodes Sales Market Share by Regions (2013-2018)  
Table Global Laser Diodes Revenue by Regions (2013-2018)  
Figure Global Laser Diodes Revenue Market Share by Regions in 2013  
Figure Global Laser Diodes Revenue Market Share by Regions in 2017  
Figure North America Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Europe Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Asia-Pacific Laser Diodes Sales and Growth Rate (2013-2018)  
Figure South America Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Middle East and Africa Laser Diodes Sales and Growth Rate (2013-2018)  
Figure North America Laser Diodes Revenue and Growth Rate (2013-2018)  
Table North America Laser Diodes Sales by Countries (2013-2018)  
Table North America Laser Diodes Sales Market Share by Countries (2013-2018)  
Figure North America Laser Diodes Sales Market Share by Countries in 2013  
Figure North America Laser Diodes Sales Market Share by Countries in 2017  
Table North America Laser Diodes Revenue by Countries (2013-2018)  
Table North America Laser Diodes Revenue Market Share by Countries (2013-2018)  
Figure North America Laser Diodes Revenue Market Share by Countries in 2013  
Figure North America Laser Diodes Revenue Market Share by Countries in 2017  
Figure United States Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Canada Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Mexico Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Europe Laser Diodes Revenue and Growth Rate (2013-2018)  
Table Europe Laser Diodes Sales by Countries (2013-2018)  
Table Europe Laser Diodes Sales Market Share by Countries (2013-2018)  
Table Europe Laser Diodes Revenue by Countries (2013-2018)  
Figure Europe Laser Diodes Revenue Market Share by Countries in 2016  
Figure Europe Laser Diodes Revenue Market Share by Countries in 2017  
Figure Germany Laser Diodes Sales and Growth Rate (2013-2018)  
Figure UK Laser Diodes Sales and Growth Rate (2013-2018)  
Figure France Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Russia Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Italy Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Asia-Pacific Laser Diodes Revenue and Growth Rate (2013-2018)  
Table Asia-Pacific Laser Diodes Sales by Countries (2013-2018)  
Table Asia-Pacific Laser Diodes Sales Market Share by Countries (2013-2018)  
Figure Asia-Pacific Laser Diodes Sales Market Share by Countries 2017  
Table Asia-Pacific Laser Diodes Revenue by Countries (2013-2018)  
Figure Asia-Pacific Laser Diodes Revenue Market Share by Countries 2017  
Figure China Laser Diodes Sales and Growth Rate (2013-2018)

Figure Japan Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Korea Laser Diodes Sales and Growth Rate (2013-2018)  
Figure India Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Southeast Asia Laser Diodes Sales and Growth Rate (2013-2018)  
Figure South America Laser Diodes Revenue and Growth Rate (2013-2018)  
Table South America Laser Diodes Sales by Countries (2013-2018)  
Table South America Laser Diodes Sales Market Share by Countries (2013-2018)  
Figure South America Laser Diodes Sales Market Share by Countries in 2017  
Table South America Laser Diodes Revenue by Countries (2013-2018)  
Table South America Laser Diodes Revenue Market Share by Countries (2013-2018)  
Figure South America Laser Diodes Revenue Market Share by Countries in 2017  
Figure Brazil Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Argentina Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Colombia Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Middle East and Africa Laser Diodes Revenue and Growth Rate (2013-2018)  
Table Middle East and Africa Laser Diodes Sales by Countries (2013-2018)  
Table Middle East and Africa Laser Diodes Sales Market Share by Countries (2013-2018)  
Figure Middle East and Africa Laser Diodes Sales Market Share by Countries in 2017  
Table Middle East and Africa Laser Diodes Revenue by Countries (2013-2018)  
Table Middle East and Africa Laser Diodes Revenue Market Share by Countries (2013-2018)  
Figure Middle East and Africa Laser Diodes Revenue Market Share by Countries in 2013  
Figure Middle East and Africa Laser Diodes Revenue Market Share by Countries in 2017  
Figure Saudi Arabia Laser Diodes Sales and Growth Rate (2013-2018)  
Figure UAE Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Egypt Laser Diodes Sales and Growth Rate (2013-2018)  
Figure Nigeria Laser Diodes Sales and Growth Rate (2013-2018)  
Figure South Africa Laser Diodes Sales and Growth Rate (2013-2018)  
Table Global Laser Diodes Sales by Type (2013-2018)  
Table Global Laser Diodes Sales Share by Type (2013-2018)  
Table Global Laser Diodes Revenue by Type (2013-2018)  
Table Global Laser Diodes Revenue Share by Type (2013-2018)  
Figure Global Single-Mode Blue Laser Diode Sales Growth (2013-2018)  
Figure Global Single-Mode Blue Laser Diode Price (2013-2018)  
Figure Global Multi-Mode Blue Laser Diode Sales Growth (2013-2018)  
Figure Global Multi-Mode Blue Laser Diode Price (2013-2018)

Table Global Laser Diodes Sales by Application (2013-2018)  
Table Global Laser Diodes Sales Share by Application (2013-2018)  
Figure Global Laser Projectors and Scanner Sales Growth (2013-2018)  
Figure Global Blu-Ray Devices Sales Growth (2013-2018)  
Figure Global Others Sales Growth (2013-2018)  
Figure Global Laser Diodes Sales, Revenue and Growth Rate (2018-2023)  
Table Global Laser Diodes Sales Forecast by Regions (2018-2023)  
Table Global Laser Diodes Market Share Forecast by Regions (2018-2023)  
Figure North America Sales Laser Diodes Market Forecast (2018-2023)  
Figure Europe Sales Laser Diodes Market Forecast (2018-2023)  
Figure Asia-Pacific Sales Laser Diodes Market Forecast (2018-2023)  
Figure South America Sales Laser Diodes Market Forecast (2018-2023)  
Figure Middle East and Africa Sales Laser Diodes Market Forecast (2018-2023)  
Table Global Laser Diodes Sales Forecast by Type (2018-2023)  
Table Global Laser Diodes Market Share Forecast by Type (2018-2023)  
Table Global Laser Diodes Sales Forecast by Application (2018-2023)  
Table Global Laser Diodes Market Share Forecast by Application (2018-2023)  
Table Distributors/Traders/ Dealers List

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