

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Single-Mode Blue Laser Diode Market 2018, 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. A single mode blue laser diode has only one mode of light to propagate.

Scope of the Report:

This report focuses on the Single-Mode Blue Laser Diode 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, 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 Single-Mode Blue Laser Diode is expected to grow at a CAGR of roughly 8.8% over the next five years, will reach 300 million US\$ in 2023, from 180 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Nichia

Sharp

Sony

Osram Opto Semiconductors

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

Below 30mw

30mw-60mw

60mw-90mw

90mw-200mw

More than 200mw

Market Segment by Applications, can be divided into

Bio/Medical

Laser Projectors and Scanners

Blu-Ray Devices

Others

There are 15 Chapters to deeply display the global Single-Mode Blue Laser Diode market.

Chapter 1, to describe Single-Mode Blue Laser Diode Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Single-Mode Blue Laser Diode, with sales, revenue, and price of Single-Mode Blue Laser Diode, 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 Single-Mode Blue Laser Diode, 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, Single-Mode Blue Laser Diode market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Single-Mode Blue Laser Diode sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 Single-Mode Blue Laser Diode Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Below 30mw
 - 1.2.2 30mw-60mw
 - 1.2.3 60mw-90mw
 - 1.2.4 90mw-200mw
 - 1.2.5 More than 200mw
- 1.3 Market Analysis by Applications
 - 1.3.1 Bio/Medical
 - 1.3.2 Laser Projectors and Scanners
 - 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 Nichia

2.1.1 Business Overview

2.1.1.1 Nichia Description

2.1.1.2 Nichia Headquarter, Main Business and Finance Overview

2.1.2 Nichia Single-Mode Blue Laser Diode Product Introduction

2.1.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.1.2.2 Single-Mode Blue Laser Diode Product Information

2.1.3 Nichia Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Nichia Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Nichia Single-Mode Blue Laser Diode Market Share in 2017

2.2 Sharp

2.2.1 Business Overview

2.2.1.1 Sharp Description

2.2.1.2 Sharp Headquarter, Main Business and Finance Overview

2.2.2 Sharp Single-Mode Blue Laser Diode Product Introduction

2.2.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.2.2.2 Single-Mode Blue Laser Diode Product Information

2.2.3 Sharp Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Sharp Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Sharp Single-Mode Blue Laser Diode Market Share in 2017

2.3 Sony

2.3.1 Business Overview

2.3.1.1 Sony Description

2.3.1.2 Sony Headquarter, Main Business and Finance Overview

2.3.2 Sony Single-Mode Blue Laser Diode Product Introduction

2.3.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major

Competitors

2.3.2.2 Single-Mode Blue Laser Diode Product Information

2.3.3 Sony Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Sony Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global Sony Single-Mode Blue Laser Diode Market Share in 2017

2.4 Osram Opto Semiconductors

2.4.1 Business Overview

2.4.1.1 Osram Opto Semiconductors Description

2.4.1.2 Osram Opto Semiconductors Headquarter, Main Business and Finance

Overview

2.4.2 Osram Opto Semiconductors Single-Mode Blue Laser Diode Product

Introduction

2.4.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.4.2.2 Single-Mode Blue Laser Diode Product Information

2.4.3 Osram Opto Semiconductors Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 Osram Opto Semiconductors Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global Osram Opto Semiconductors Single-Mode Blue Laser Diode Market Share in 2017

2.5 TOPTICA Photonics Inc.

2.5.1 Business Overview

2.5.1.1 TOPTICA Photonics Inc. Description

2.5.1.2 TOPTICA Photonics Inc. Headquarter, Main Business and Finance Overview

2.5.2 TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Product Introduction

2.5.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.5.2.2 Single-Mode Blue Laser Diode Product Information

2.5.3 TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Market Share in 2017

2.6 Egismos Technology Corporation

2.6.1 Business Overview

2.6.1.1 Egismos Technology Corporation Description

2.6.1.2 Egismos Technology Corporation Headquarter, Main Business and Finance Overview

2.6.2 Egismos Technology Corporation Single-Mode Blue Laser Diode Product Introduction

2.6.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.6.2.2 Single-Mode Blue Laser Diode Product Information

2.6.3 Egismos Technology Corporation Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 Egismos Technology Corporation Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global Egismos Technology Corporation Single-Mode Blue Laser Diode Market Share in 2017

2.7 Ondax

2.7.1 Business Overview

2.7.1.1 Ondax Description

2.7.1.2 Ondax Headquarter, Main Business and Finance Overview

2.7.2 Ondax Single-Mode Blue Laser Diode Product Introduction

2.7.2.1 Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

2.7.2.2 Single-Mode Blue Laser Diode Product Information

2.7.3 Ondax Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Ondax Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Ondax Single-Mode Blue Laser Diode Market Share in 2017

3 GLOBAL SINGLE-MODE BLUE LASER DIODE MARKET COMPETITION, BY MANUFACTURER

3.1 Global Single-Mode Blue Laser Diode Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Single-Mode Blue Laser Diode Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Single-Mode Blue Laser Diode Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Single-Mode Blue Laser Diode Manufacturer Market Share in 2017

3.4.2 Top 5 Single-Mode Blue Laser Diode Manufacturer Market Share in 2017

3.5 Market Competition Trend

4 GLOBAL SINGLE-MODE BLUE LASER DIODE MARKET ANALYSIS BY REGIONS

4.1 Global Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Regions

4.1.1 Global Single-Mode Blue Laser Diode Sales by Regions (2013-2018)

4.1.2 Global Single-Mode Blue Laser Diode Revenue by Regions (2013-2018)

4.2 North America Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA SINGLE-MODE BLUE LASER DIODE BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Countries

5.1.1 North America Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

5.1.2 North America Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

5.1.3 United States Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

5.1.4 Canada Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

5.1.5 Mexico Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

5.2 North America Single-Mode Blue Laser Diode Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Single-Mode Blue Laser Diode Sales by Manufacturers (2016-2017)

5.2.2 North America Single-Mode Blue Laser Diode Revenue by Manufacturers (2016-2017)

5.3 North America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Single-Mode Blue Laser Diode Sales and Sales Share by Type (2013-2018)

5.3.2 North America Single-Mode Blue Laser Diode Revenue and Revenue Share by Type (2013-2018)

5.4 North America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Single-Mode Blue Laser Diode Sales and Sales Share by Application (2013-2018)

5.4.2 North America Single-Mode Blue Laser Diode Revenue and Revenue Share by Application (2013-2018)

6 EUROPE SINGLE-MODE BLUE LASER DIODE BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Countries

6.1.1 Europe Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

6.1.2 Europe Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

6.1.3 Germany Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

6.1.4 UK Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

6.1.5 France Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

6.1.6 Russia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

6.1.7 Italy Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

6.2 Europe Single-Mode Blue Laser Diode Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe Single-Mode Blue Laser Diode Sales by Manufacturers (2016-2017)

6.2.2 Europe Single-Mode Blue Laser Diode Revenue by Manufacturers (2016-2017)

6.3 Europe Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Single-Mode Blue Laser Diode Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Single-Mode Blue Laser Diode Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Single-Mode Blue Laser Diode Sales and Sales Share by Application (2013-2018)

6.4.2 Europe Single-Mode Blue Laser Diode Revenue and Revenue Share by Application (2013-2018)

7 ASIA-PACIFIC SINGLE-MODE BLUE LASER DIODE BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Countries

- 7.1.1 Asia-Pacific Single-Mode Blue Laser Diode Sales by Countries (2013-2018)
- 7.1.2 Asia-Pacific Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)
- 7.1.3 China Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
- 7.1.4 Japan Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
- 7.1.5 Korea Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
- 7.1.6 India Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
- 7.1.7 Southeast Asia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Single-Mode Blue Laser Diode Sales and Revenue (Value) by Manufacturers (2016-2017)

- 7.2.1 Asia-Pacific Single-Mode Blue Laser Diode Sales by Manufacturers (2016-2017)
- 7.2.2 Asia-Pacific Single-Mode Blue Laser Diode Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

- 7.3.1 Asia-Pacific Single-Mode Blue Laser Diode Sales and Sales Share by Type (2013-2018)
- 7.3.2 Asia-Pacific Single-Mode Blue Laser Diode Revenue and Revenue Share by Type (2013-2018)

7.4 Asia-Pacific Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Application (2013-2018)

- 7.4.1 Asia-Pacific Single-Mode Blue Laser Diode Sales and Sales Share by Application (2013-2018)
- 7.4.2 Asia-Pacific Single-Mode Blue Laser Diode Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA SINGLE-MODE BLUE LASER DIODE BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Countries

- 8.1.1 South America Single-Mode Blue Laser Diode Sales by Countries (2013-2018)
- 8.1.2 South America Single-Mode Blue Laser Diode Revenue by Countries

(2013-2018)

8.1.3 Brazil Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

8.1.4 Argentina Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

8.1.5 Colombia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

8.2 South America Single-Mode Blue Laser Diode Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America Single-Mode Blue Laser Diode Sales by Manufacturers (2016-2017)

8.2.2 South America Single-Mode Blue Laser Diode Revenue by Manufacturers (2016-2017)

8.3 South America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America Single-Mode Blue Laser Diode Sales and Sales Share by Type (2013-2018)

8.3.2 South America Single-Mode Blue Laser Diode Revenue and Revenue Share by Type (2013-2018)

8.4 South America Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America Single-Mode Blue Laser Diode Sales and Sales Share by Application (2013-2018)

8.4.2 South America Single-Mode Blue Laser Diode Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA SINGLE-MODE BLUE LASER DIODE BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

9.1 Middle East and Africa Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

9.1.2 Middle East and Africa Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

9.1.4 UAE Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

9.1.5 Egypt Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

9.1.6 Nigeria Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

9.1.7 South Africa Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

9.2 Middle East and Africa Single-Mode Blue Laser Diode Sales and Revenue (Value) by Manufacturers (2016-2017)

9.2.1 Middle East and Africa Single-Mode Blue Laser Diode Sales by Manufacturers (2016-2017)

9.2.2 Middle East and Africa Single-Mode Blue Laser Diode Revenue by Manufacturers (2016-2017)

9.3 Middle East and Africa Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa Single-Mode Blue Laser Diode Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Single-Mode Blue Laser Diode Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Single-Mode Blue Laser Diode Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Single-Mode Blue Laser Diode Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL SINGLE-MODE BLUE LASER DIODE MARKET SEGMENT BY TYPE

10.1 Global Single-Mode Blue Laser Diode Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Single-Mode Blue Laser Diode Sales and Market Share by Type (2013-2018)

10.1.2 Global Single-Mode Blue Laser Diode Revenue and Market Share by Type (2013-2018)

10.2 Below 30mw Sales Growth and Price

10.2.1 Global Below 30mw Sales Growth (2013-2018)

10.2.2 Global Below 30mw Price (2013-2018)

10.3 30mw-60mw Sales Growth and Price

10.3.1 Global 30mw-60mw Sales Growth (2013-2018)

10.3.2 Global 30mw-60mw Price (2013-2018)

10.4 60mw-90mw Sales Growth and Price

10.4.1 Global 60mw-90mw Sales Growth (2013-2018)

10.4.2 Global 60mw-90mw Price (2013-2018)

10.5 90mw-200mw Sales Growth and Price

10.5.1 Global 90mw-200mw Sales Growth (2013-2018)

10.5.2 Global 90mw-200mw Price (2013-2018)

10.6 More than 200mw Sales Growth and Price

10.6.1 Global More than 200mw Sales Growth (2013-2018)

10.6.2 Global More than 200mw Price (2013-2018)

11 GLOBAL SINGLE-MODE BLUE LASER DIODE MARKET SEGMENT BY APPLICATION

11.1 Global Single-Mode Blue Laser Diode Sales Market Share by Application (2013-2018)

11.2 Bio/Medical Sales Growth (2013-2018)

11.3 Laser Projectors and Scanners Sales Growth (2013-2018)

11.4 Blu-Ray Devices Sales Growth (2013-2018)

11.5 Others Sales Growth (2013-2018)

12 SINGLE-MODE BLUE LASER DIODE MARKET FORECAST (2018-2023)

12.1 Global Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2018-2023)

12.2 Single-Mode Blue Laser Diode Market Forecast by Regions (2018-2023)

12.2.1 North America Single-Mode Blue Laser Diode Market Forecast (2018-2023)

12.2.2 Europe Single-Mode Blue Laser Diode Market Forecast (2018-2023)

12.2.3 Asia-Pacific Single-Mode Blue Laser Diode Market Forecast (2018-2023)

12.2.4 South America Single-Mode Blue Laser Diode Market Forecast (2018-2023)

12.2.5 Middle East and Africa Single-Mode Blue Laser Diode Market Forecast (2018-2023)

12.3 Single-Mode Blue Laser Diode Market Forecast by Type (2018-2023)

12.3.1 Global Single-Mode Blue Laser Diode Sales Forecast by Type (2018-2023)

12.3.2 Global Single-Mode Blue Laser Diode Market Share Forecast by Type (2018-2023)

12.4 Single-Mode Blue Laser Diode Market Forecast by Application (2018-2023)

12.4.1 Global Single-Mode Blue Laser Diode Sales Forecast by Application (2018-2023)

12.4.2 Global Single-Mode Blue Laser Diode 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 Single-Mode Blue Laser Diode Picture

Table Product Specifications of Single-Mode Blue Laser Diode

Figure Global Single-Mode Blue Laser Diode CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Single-Mode Blue Laser Diode CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Single-Mode Blue Laser Diode by Types in 2017

Figure Below 30mw Picture

Table Major Manufacturers of Below 30mw

Figure 30mw-60mw Picture

Table Major Manufacturers of 30mw-60mw

Figure 60mw-90mw Picture

Table Major Manufacturers of 60mw-90mw

Figure 90mw-200mw Picture

Table Major Manufacturers of 90mw-200mw

Figure More than 200mw Picture

Table Major Manufacturers of More than 200mw

Figure Single-Mode Blue Laser Diode Sales Market Share by Applications in 2017

Figure Bio/Medical Picture

Figure Laser Projectors and Scanners Picture

Figure Blu-Ray Devices Picture

Figure Others Picture

Figure United States Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure France Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure UK Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Italy Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure China Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Japan Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Korea Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure India Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Southeast Asia Single-Mode Blue Laser Diode Revenue (Value) and Growth

Rate (2013-2023)

Figure Brazil Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Egypt Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Saudi Arabia Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure South Africa Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Figure Nigeria Single-Mode Blue Laser Diode Revenue (Value) and Growth Rate

(2013-2023)

Table Nichia Headquarter, Established, Main Business and Finance Overview (2017)

Table Nichia Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Nichia Single-Mode Blue Laser Diode Product

Table Nichia Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nichia Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Nichia Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Sharp Headquarter, Established, Main Business and Finance Overview (2017)

Table Sharp Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Sharp Single-Mode Blue Laser Diode Product

Table Sharp Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Sharp Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Sharp Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Sony Headquarter, Established, Main Business and Finance Overview (2017)

Table Sony Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Sony Single-Mode Blue Laser Diode Product

Table Sony Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Sony Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Sony Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Osram Opto Semiconductors Headquarter, Established, Main Business and Finance Overview (2017)

Table Osram Opto Semiconductors Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Osram Opto Semiconductors Single-Mode Blue Laser Diode Product

Table Osram Opto Semiconductors Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Osram Opto Semiconductors Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Osram Opto Semiconductors Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table TOPTICA Photonics Inc. Headquarter, Established, Main Business and Finance Overview (2017)

Table TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Product

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

Figure Global TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global TOPTICA Photonics Inc. Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Egismos Technology Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Egismos Technology Corporation Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Egismos Technology Corporation Single-Mode Blue Laser Diode Product

Table Egismos Technology Corporation Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Egismos Technology Corporation Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Egismos Technology Corporation Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Ondax Headquarter, Established, Main Business and Finance Overview (2017)

Table Ondax Single-Mode Blue Laser Diode Production Bases, Sales Regions and Major Competitors

Table Ondax Single-Mode Blue Laser Diode Product

Table Ondax Single-Mode Blue Laser Diode Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Ondax Single-Mode Blue Laser Diode Sales Market Share in 2017

Figure Global Ondax Single-Mode Blue Laser Diode Revenue Market Share in 2017

Table Global Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)

Figure Global Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016

Figure Global Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017

Table Global Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)

Figure Global Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2016

Figure Global Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017

Table Global Single-Mode Blue Laser Diode Price by Manufacturer (2016-2017)

Figure Top 3 Single-Mode Blue Laser Diode Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Single-Mode Blue Laser Diode Manufacturer (Revenue) Market Share in 2017

Figure Global Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Global Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales by Regions (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales Market Share by Regions (2013-2018)

Table Global Single-Mode Blue Laser Diode Revenue by Regions (2013-2018)

Figure Global Single-Mode Blue Laser Diode Revenue Market Share by Regions in 2013

Figure Global Single-Mode Blue Laser Diode Revenue Market Share by Regions in 2017

Figure North America Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure North America Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Figure Europe Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Europe Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Figure South America Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure South America Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Figure North America Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales Market Share by Countries (2013-2018)

Figure North America Single-Mode Blue Laser Diode Sales Market Share by Countries in 2013

Figure North America Single-Mode Blue Laser Diode Sales Market Share by Countries in 2017

Table North America Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

Table North America Single-Mode Blue Laser Diode Revenue Market Share by Countries (2013-2018)

Figure North America Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2013

Figure North America Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2017

Figure United States Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Canada Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Mexico Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)

Figure North America Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016

Figure North America Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017

Table North America Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)

Figure North America Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2016

Figure North America Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017

Table North America Single-Mode Blue Laser Diode Sales by Type (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)

Table North America Single-Mode Blue Laser Diode Revenue by Type (2013-2018)

Table North America Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales by Application (2013-2018)

Table North America Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)

Table North America Single-Mode Blue Laser Diode Revenue by Application (2013-2018)

Table North America Single-Mode Blue Laser Diode Revenue Share by Application (2013-2018)

Figure Europe Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales Market Share by Countries (2013-2018)

Table Europe Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

Figure Europe Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2016

Figure Europe Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2017

Figure Germany Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure UK Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure France Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Russia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Italy Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)

Figure Europe Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016

Figure Europe Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017

Table Europe Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)

Figure Europe Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer

in 2016

Figure Europe Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017

Table Europe Single-Mode Blue Laser Diode Sales by Type (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)

Table Europe Single-Mode Blue Laser Diode Revenue by Type (2013-2018)

Table Europe Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales by Application (2013-2018)

Table Europe Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)

Table Europe Single-Mode Blue Laser Diode Revenue by Application (2013-2018)

Table Europe Single-Mode Blue Laser Diode Revenue Share by Application (2013-2018)

Figure Asia-Pacific Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

Table Asia-Pacific Single-Mode Blue Laser Diode Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific Single-Mode Blue Laser Diode Sales Market Share by Countries 2017

Table Asia-Pacific Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

Figure Asia-Pacific Single-Mode Blue Laser Diode Revenue Market Share by Countries 2017

Figure China Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Japan Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Korea Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure India Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Southeast Asia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Table Asia-Pacific Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Single-Mode Blue Laser Diode Sales by Type (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Revenue by Type (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Sales by Application (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Revenue by Application (2013-2018)
Table Asia-Pacific Single-Mode Blue Laser Diode Revenue Share by Application (2013-2018)
Figure South America Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)
Table South America Single-Mode Blue Laser Diode Sales by Countries (2013-2018)
Table South America Single-Mode Blue Laser Diode Sales Market Share by Countries (2013-2018)
Figure South America Single-Mode Blue Laser Diode Sales Market Share by Countries in 2017
Table South America Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)
Table South America Single-Mode Blue Laser Diode Revenue Market Share by Countries (2013-2018)
Figure South America Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2017
Figure Brazil Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
Figure Argentina Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
Figure Colombia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)
Table South America Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)
Figure South America Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016
Figure South America Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017
Table South America Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)
Figure South America Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2016
Figure South America Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017
Table South America Single-Mode Blue Laser Diode Sales by Type (2013-2018)

Table South America Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)

Table South America Single-Mode Blue Laser Diode Revenue by Type (2013-2018)

Table South America Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)

Table South America Single-Mode Blue Laser Diode Sales by Application (2013-2018)

Table South America Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)

Table South America Single-Mode Blue Laser Diode Revenue by Application (2013-2018)

Table South America Single-Mode Blue Laser Diode Revenue Share by Application (2013-2018)

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales by Countries (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Single-Mode Blue Laser Diode Sales Market Share by Countries in 2017

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue by Countries (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2013

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue Market Share by Countries in 2017

Figure Saudi Arabia Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure UAE Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Egypt Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure Nigeria Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Figure South Africa Single-Mode Blue Laser Diode Sales and Growth Rate (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa Single-Mode Blue Laser Diode Sales Market Share by Manufacturer in 2017

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa Single-Mode Blue Laser Diode Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa Single-Mode Blue Laser Diode Sales by Type (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue by Type (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales by Application (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue by Application (2013-2018)

Table Middle East and Africa Single-Mode Blue Laser Diode Revenue Share by Application (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales by Type (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales Share by Type (2013-2018)

Table Global Single-Mode Blue Laser Diode Revenue by Type (2013-2018)

Table Global Single-Mode Blue Laser Diode Revenue Share by Type (2013-2018)

Figure Global Below 30mw Sales Growth (2013-2018)

Figure Global Below 30mw Price (2013-2018)

Figure Global 30mw-60mw Sales Growth (2013-2018)

Figure Global 30mw-60mw Price (2013-2018)

Figure Global 60mw-90mw Sales Growth (2013-2018)

Figure Global 60mw-90mw Price (2013-2018)

Figure Global 90mw-200mw Sales Growth (2013-2018)

Figure Global 90mw-200mw Price (2013-2018)

Figure Global More than 200mw Sales Growth (2013-2018)

Figure Global More than 200mw Price (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales by Application (2013-2018)

Table Global Single-Mode Blue Laser Diode Sales Share by Application (2013-2018)

Figure Global Bio/Medical Sales Growth (2013-2018)

Figure Global Laser Projectors and Scanners Sales Growth (2013-2018)

Figure Global Blu-Ray Devices Sales Growth (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Single-Mode Blue Laser Diode Sales, Revenue and Growth Rate (2018-2023)

Table Global Single-Mode Blue Laser Diode Sales Forecast by Regions (2018-2023)

Table Global Single-Mode Blue Laser Diode Market Share Forecast by Regions (2018-2023)

Figure North America Sales Single-Mode Blue Laser Diode Market Forecast (2018-2023)

Figure Europe Sales Single-Mode Blue Laser Diode Market Forecast (2018-2023)

Figure Asia-Pacific Sales Single-Mode Blue Laser Diode Market Forecast (2018-2023)

Figure South America Sales Single-Mode Blue Laser Diode Market Forecast (2018-2023)

Figure Middle East and Africa Sales Single-Mode Blue Laser Diode Market Forecast (2018-2023)

Table Global Single-Mode Blue Laser Diode Sales Forecast by Type (2018-2023)

Table Global Single-Mode Blue Laser Diode Market Share Forecast by Type (2018-2023)

Table Global Single-Mode Blue Laser Diode Sales Forecast by Application (2018-2023)

Table Global Single-Mode Blue Laser Diode Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

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