

EMEA (Europe, Middle East and Africa) Vertical-cavity Surface Emitting Laser Market Report 2017

<https://marketpublishers.com/r/E2007081064EN.html>

Date: December 2017

Pages: 105

Price: US\$ 4,000.00 (Single User License)

ID: E2007081064EN

Abstracts

In this report, the EMEA Vertical-cavity Surface Emitting Laser market is valued at USD XX million in 2016 and is expected to reach USD XX million by the end of 2022, growing at a CAGR of XX% between 2016 and 2022.

Geographically, this report split EMEA into Europe, the Middle East and Africa, With sales (Units), revenue (Million USD), market share and growth rate of Vertical-cavity Surface Emitting Laser for these regions, from 2012 to 2022 (forecast)

Europe: Germany, France, UK, Russia, Italy and Benelux;

Middle East: Saudi Arabia, Israel, UAE and Iran;

Africa: South Africa, Nigeria, Egypt and Algeria.

EMEA Vertical-cavity Surface Emitting Laser market competition by top manufacturers/players, with Vertical-cavity Surface Emitting Laser sales volume (Units), price (K USD/Unit), revenue (Million USD) and market share for each manufacturer/player; the top players including

Finisar Corporation

Avago Technologies

JDS Uniphase Corporation

Royal Philips Electronics N.V.

II-VI Incorporated

IQE PLC

Vertilas GmbH

Princeton Optronics

Vixar Inc.

Ultra Communications Inc.

On the basis of product, this report displays the sales volume, revenue, product price, market share and growth rate of each type, primarily split into

Single-mode VCSEL

Multimode VCSEL

On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Data Communications

Infrared Illumination

Sensing

Pumping

GPS

Others

If you have any special requirements, please let us know and we will offer you the report as you want.

Contents

EMEA (Europe, Middle East and Africa) Vertical-cavity Surface Emitting Laser Market Report 2017

1 VERTICAL-CAVITY SURFACE EMITTING LASER OVERVIEW

1.1 Product Overview and Scope of Vertical-cavity Surface Emitting Laser

1.2 Classification of Vertical-cavity Surface Emitting Laser

1.2.1 EMEA Vertical-cavity Surface Emitting Laser Market Size (Sales) Comparison by Type (2012-2022)

1.2.2 EMEA Vertical-cavity Surface Emitting Laser Market Size (Sales) Market Share by Type (Product Category) in 2016

1.2.3 Single-mode VCSEL

1.2.4 Multimode VCSEL

1.3 EMEA Vertical-cavity Surface Emitting Laser Market by Application/End Users

1.3.1 EMEA Vertical-cavity Surface Emitting Laser Sales (Volume) and Market Share Comparison by Application (2012-2022)

1.3.2 Data Communications

1.3.3 Infrared Illumination

1.3.4 Sensing

1.3.5 Pumping

1.3.6 GPS

1.3.7 Others

1.4 EMEA Vertical-cavity Surface Emitting Laser Market by Region

1.4.1 EMEA Vertical-cavity Surface Emitting Laser Market Size (Value) Comparison by Region (2012-2022)

1.4.2 Europe Status and Prospect (2012-2022)

1.4.3 Middle East Status and Prospect (2012-2022)

1.4.4 Africa Status and Prospect (2012-2022)

1.5 EMEA Market Size (Value and Volume) of Vertical-cavity Surface Emitting Laser (2012-2022)

1.5.1 EMEA Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2022)

1.5.2 EMEA Vertical-cavity Surface Emitting Laser Revenue and Growth Rate (2012-2022)

2 EMEA VERTICAL-CAVITY SURFACE EMITTING LASER COMPETITION BY MANUFACTURERS/PLAYERS/SUPPLIERS, REGION, TYPE AND APPLICATION

2.1 EMEA Vertical-cavity Surface Emitting Laser Market Competition by Players/Manufacturers

2.1.1 EMEA Vertical-cavity Surface Emitting Laser Sales Volume and Market Share of Major Players (2012-2017)

2.1.2 EMEA Vertical-cavity Surface Emitting Laser Revenue and Share by Players (2012-2017)

2.1.3 EMEA Vertical-cavity Surface Emitting Laser Sale Price by Players (2012-2017)

2.2 EMEA Vertical-cavity Surface Emitting Laser (Volume and Value) by Type/Product Category

2.2.1 EMEA Vertical-cavity Surface Emitting Laser Sales and Market Share by Type (2012-2017)

2.2.2 EMEA Vertical-cavity Surface Emitting Laser Revenue and Market Share by Type (2012-2017)

2.2.3 EMEA Vertical-cavity Surface Emitting Laser Sale Price by Type (2012-2017)

2.3 EMEA Vertical-cavity Surface Emitting Laser (Volume) by Application

2.4 EMEA Vertical-cavity Surface Emitting Laser (Volume and Value) by Region

2.4.1 EMEA Vertical-cavity Surface Emitting Laser Sales and Market Share by Region (2012-2017)

2.4.2 EMEA Vertical-cavity Surface Emitting Laser Revenue and Market Share by Region (2012-2017)

2.4.3 EMEA Vertical-cavity Surface Emitting Laser Sales Price by Region (2012-2017)

3 EUROPE VERTICAL-CAVITY SURFACE EMITTING LASER (VOLUME, VALUE AND SALES PRICE), BY PLAYERS, COUNTRIES, TYPE AND APPLICATION

3.1 Europe Vertical-cavity Surface Emitting Laser Sales and Value (2012-2017)

3.1.1 Europe Vertical-cavity Surface Emitting Laser Sales Volume and Growth Rate (2012-2017)

3.1.2 Europe Vertical-cavity Surface Emitting Laser Revenue and Growth Rate (2012-2017)

3.2 Europe Vertical-cavity Surface Emitting Laser Sales and Market Share by Type

3.3 Europe Vertical-cavity Surface Emitting Laser Sales and Market Share by Application

3.4 Europe Vertical-cavity Surface Emitting Laser Sales Volume and Value (Revenue) by Countries

3.4.1 Europe Vertical-cavity Surface Emitting Laser Sales Volume by Countries (2012-2017)

3.4.2 Europe Vertical-cavity Surface Emitting Laser Revenue by Countries

(2012-2017)

3.4.3 Germany Vertical-cavity Surface Emitting Laser Sales and Growth Rate

(2012-2017)

3.4.4 France Vertical-cavity Surface Emitting Laser Sales and Growth Rate

(2012-2017)

3.4.5 UK Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

3.4.6 Russia Vertical-cavity Surface Emitting Laser Sales and Growth Rate

(2012-2017)

3.4.7 Italy Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

3.4.8 Benelux Vertical-cavity Surface Emitting Laser Sales and Growth Rate

(2012-2017)

4 MIDDLE EAST VERTICAL-CAVITY SURFACE EMITTING LASER (VOLUME, VALUE AND SALES PRICE), BY REGION, TYPE AND APPLICATION

4.1 Middle East Vertical-cavity Surface Emitting Laser Sales and Value (2012-2017)

4.1.1 Middle East Vertical-cavity Surface Emitting Laser Sales Volume and Growth Rate (2012-2017)

4.1.2 Middle East Vertical-cavity Surface Emitting Laser Revenue and Growth Rate (2012-2017)

4.2 Middle East Vertical-cavity Surface Emitting Laser Sales and Market Share by Type

4.3 Middle East Vertical-cavity Surface Emitting Laser Sales and Market Share by Application

4.4 Middle East Vertical-cavity Surface Emitting Laser Sales Volume and Value (Revenue) by Countries

4.4.1 Middle East Vertical-cavity Surface Emitting Laser Sales Volume by Countries (2012-2017)

4.4.2 Middle East Vertical-cavity Surface Emitting Laser Revenue by Countries (2012-2017)

4.4.3 Saudi Arabia Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

4.4.4 Israel Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

4.4.5 UAE Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

4.4.6 Iran Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

5 AFRICA VERTICAL-CAVITY SURFACE EMITTING LASER (VOLUME, VALUE AND SALES PRICE) BY PLAYERS, COUNTRIES, TYPE AND APPLICATION

5.1 Africa Vertical-cavity Surface Emitting Laser Sales and Value (2012-2017)

5.1.1 Africa Vertical-cavity Surface Emitting Laser Sales Volume and Growth Rate (2012-2017)

5.1.2 Africa Vertical-cavity Surface Emitting Laser Revenue and Growth Rate (2012-2017)

5.2 Africa Vertical-cavity Surface Emitting Laser Sales and Market Share by Type

5.3 Africa Vertical-cavity Surface Emitting Laser Sales and Market Share by Application

5.4 Africa Vertical-cavity Surface Emitting Laser Sales Volume and Value (Revenue) by Countries

5.4.1 Africa Vertical-cavity Surface Emitting Laser Sales Volume by Countries (2012-2017)

5.4.2 Africa Vertical-cavity Surface Emitting Laser Revenue by Countries (2012-2017)

5.4.3 South Africa Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

5.4.4 Nigeria Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

5.4.5 Egypt Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

5.4.6 Algeria Vertical-cavity Surface Emitting Laser Sales and Growth Rate (2012-2017)

6 EMEA VERTICAL-CAVITY SURFACE EMITTING LASER MANUFACTURERS/PLAYERS PROFILES AND SALES DATA

6.1 Finisar Corporation

6.1.1 Company Basic Information, Manufacturing Base and Competitors

6.1.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.1.2.1 Product A

6.1.2.2 Product B

6.1.3 Finisar Corporation Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

6.1.4 Main Business/Business Overview

6.2 Avago Technologies

6.2.1 Company Basic Information, Manufacturing Base and Competitors

6.2.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.2.2.1 Product A

6.2.2.2 Product B

6.2.3 Avago Technologies Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

- 6.2.4 Main Business/Business Overview
- 6.3 JDS Uniphase Corporation
 - 6.3.1 Company Basic Information, Manufacturing Base and Competitors
 - 6.3.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification
 - 6.3.2.1 Product A
 - 6.3.2.2 Product B
 - 6.3.3 JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.3.4 Main Business/Business Overview
- 6.4 Royal Philips Electronics N.V.
 - 6.4.1 Company Basic Information, Manufacturing Base and Competitors
 - 6.4.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification
 - 6.4.2.1 Product A
 - 6.4.2.2 Product B
 - 6.4.3 Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.4.4 Main Business/Business Overview
- 6.5 II-VI Incorporated
 - 6.5.1 Company Basic Information, Manufacturing Base and Competitors
 - 6.5.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification
 - 6.5.2.1 Product A
 - 6.5.2.2 Product B
 - 6.5.3 II-VI Incorporated Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.5.4 Main Business/Business Overview
- 6.6 IQE PLC
 - 6.6.1 Company Basic Information, Manufacturing Base and Competitors
 - 6.6.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification
 - 6.6.2.1 Product A
 - 6.6.2.2 Product B
 - 6.6.3 IQE PLC Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.6.4 Main Business/Business Overview
- 6.7 Vertilas GmbH
 - 6.7.1 Company Basic Information, Manufacturing Base and Competitors

6.7.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.7.2.1 Product A

6.7.2.2 Product B

6.7.3 Vertilas GmbH Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

6.7.4 Main Business/Business Overview

6.8 Princeton Optronics

6.8.1 Company Basic Information, Manufacturing Base and Competitors

6.8.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.8.2.1 Product A

6.8.2.2 Product B

6.8.3 Princeton Optronics Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

6.8.4 Main Business/Business Overview

6.9 Vixar Inc.

6.9.1 Company Basic Information, Manufacturing Base and Competitors

6.9.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.9.2.1 Product A

6.9.2.2 Product B

6.9.3 Vixar Inc. Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

6.9.4 Main Business/Business Overview

6.10 Ultra Communications Inc.

6.10.1 Company Basic Information, Manufacturing Base and Competitors

6.10.2 Vertical-cavity Surface Emitting Laser Product Type, Application and Specification

6.10.2.1 Product A

6.10.2.2 Product B

6.10.3 Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Sales, Revenue, Price and Gross Margin (2012-2017)

6.10.4 Main Business/Business Overview

7 VERTICAL-CAVITY SURFACE EMITTING LASER MANUFACTURING COST ANALYSIS

7.1 Vertical-cavity Surface Emitting Laser Key Raw Materials Analysis

- 7.1.1 Key Raw Materials
- 7.1.2 Price Trend of Key Raw Materials
- 7.1.3 Key Suppliers of Raw Materials
- 7.1.4 Market Concentration Rate of Raw Materials
- 7.2 Proportion of Manufacturing Cost Structure
 - 7.2.1 Raw Materials
 - 7.2.2 Labor Cost
 - 7.2.3 Manufacturing Expenses
- 7.3 Manufacturing Process Analysis of Vertical-cavity Surface Emitting Laser

8 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 8.1 Vertical-cavity Surface Emitting Laser Industrial Chain Analysis
- 8.2 Upstream Raw Materials Sourcing
- 8.3 Raw Materials Sources of Vertical-cavity Surface Emitting Laser Major Manufacturers in 2016
- 8.4 Downstream Buyers

9 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 9.1 Marketing Channel
 - 9.1.1 Direct Marketing
 - 9.1.2 Indirect Marketing
 - 9.1.3 Marketing Channel Development Trend
- 9.2 Market Positioning
 - 9.2.1 Pricing Strategy
 - 9.2.2 Brand Strategy
 - 9.2.3 Target Client
- 9.3 Distributors/Traders List

10 MARKET EFFECT FACTORS ANALYSIS

- 10.1 Technology Progress/Risk
 - 10.1.1 Substitutes Threat
 - 10.1.2 Technology Progress in Related Industry
- 10.2 Consumer Needs/Customer Preference Change
- 10.3 Economic/Political Environmental Change

11 EMEA VERTICAL-CAVITY SURFACE EMITTING LASER MARKET FORECAST

(2017-2022)

11.1 EMEA Vertical-cavity Surface Emitting Laser Sales, Revenue and Price Forecast (2017-2022)

11.1.1 EMEA Vertical-cavity Surface Emitting Laser Sales and Growth Rate Forecast (2017-2022)

11.1.2 EMEA Vertical-cavity Surface Emitting Laser Revenue and Growth Rate Forecast (2017-2022)

11.1.3 EMEA Vertical-cavity Surface Emitting Laser Price and Trend Forecast (2017-2022)

11.2 EMEA Vertical-cavity Surface Emitting Laser Sales, Revenue and Growth Rate Forecast by Region (2017-2022)

11.3 Europe Vertical-cavity Surface Emitting Laser Sales, Revenue and Growth Rate Forecast by Region (2017-2022)

11.4 Middle Eastt Vertical-cavity Surface Emitting Laser Sales, Revenue and Growth Rate Forecast by Region (2017-2022)

11.5 Africa Vertical-cavity Surface Emitting Laser Sales, Revenue and Growth Rate Forecast by Region (2017-2022)

11.6 EMEA Vertical-cavity Surface Emitting Laser Sales Forecast by Type (2017-2022)

11.7 EMEA Vertical-cavity Surface Emitting Laser Sales Forecast by Application (2017-2022)

12 RESEARCH FINDINGS AND CONCLUSION**13 APPENDIX**

13.1 Methodology/Research Approach

13.1.1 Research Programs/Design

13.1.2 Market Size Estimation

13.1.3 Market Breakdown and Data Triangulation

13.2 Data Source

13.2.1 Secondary Sources

13.2.2 Primary Sources

13.3 Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.

List Of Tables

LIST OF TABLES AND FIGURES

Figure Product Picture of Vertical-cavity Surface Emitting Laser

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Volume (Units) by Type (2012-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Volume Market Share by Type (Product Category) in 2016

Figure Single-mode VCSEL Product Picture

Figure Multimode VCSEL Product Picture

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Volume (Units) by Application (2012-2022)

Figure EMEA Sales Market Share of Vertical-cavity Surface Emitting Laser by Application in 2016

Figure Data Communications Examples

Table Key Downstream Customer in Data Communications

Figure Infrared Illumination Examples

Table Key Downstream Customer in Infrared Illumination

Figure Sensing Examples

Table Key Downstream Customer in Sensing

Figure Pumping Examples

Table Key Downstream Customer in Pumping

Figure GPS Examples

Table Key Downstream Customer in GPS

Figure Others Examples

Table Key Downstream Customer in Others

Figure EMEA Vertical-cavity Surface Emitting Laser Market Size (Million USD) by Region (2012-2022)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2022)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue (Million USD) Status and Forecast by Countries

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2022)

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue (Million USD) Status and Forecast by Countries

Figure Africa Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2022)

Figure Africa Vertical-cavity Surface Emitting Laser Revenue (Million USD) Status and Forecast by Countries

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Volume and Growth Rate (2012-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Market Major Players Product Sales Volume (Units) (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales Volume (Units) of Major Players (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales Share by Players (2012-2017)

Figure 2016 Vertical-cavity Surface Emitting Laser Sales Share by Players

Figure 2017 Vertical-cavity Surface Emitting Laser Sales Share by Players

Figure EMEA Vertical-cavity Surface Emitting Laser Market Major Players Product Revenue (Million USD) (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue (Million USD) by Players (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue Share by Players (2012-2017)

Table 2016 EMEA Vertical-cavity Surface Emitting Laser Revenue Share by Players

Table 2017 EMEA Vertical-cavity Surface Emitting Laser Revenue Share by Players

Table EMEA Vertical-cavity Surface Emitting Laser Sale Price (K USD/Unit) by Players (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) and Market Share by Type (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales Share by Type (2012-2017)

Figure Sales Market Share of Vertical-cavity Surface Emitting Laser by Type (2012-2017)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share by Type (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Market Share by Type (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue Share by Type (2012-2017)

Figure Revenue Market Share of Vertical-cavity Surface Emitting Laser by Type in 2016

Table EMEA Vertical-cavity Surface Emitting Laser Sale Price (K USD/Unit) by Type (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) and Market Share by Application (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales Share by Application (2012-2017)

Figure Sales Market Share of Vertical-cavity Surface Emitting Laser by Application (2012-2017)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share by Application in 2016

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) and Market Share by Region (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Sales Share by Region (2012-2017)
Figure Sales Market Share of Vertical-cavity Surface Emitting Laser by Region (2012-2017)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share in 2016

Table EMEA Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Market Share by Region (2012-2017)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue Share by Region (2012-2017)

Figure Revenue Market Share of Vertical-cavity Surface Emitting Laser by Region (2012-2017)

Figure EMEA Vertical-cavity Surface Emitting Laser Revenue Market Share Regions in 2016

Table EMEA Vertical-cavity Surface Emitting Laser Sales Price (K USD/Unit) by Region (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue and Growth Rate (2012-2017)

Table Europe Vertical-cavity Surface Emitting Laser Sales (Units) by Type (2012-2017)

Table Europe Vertical-cavity Surface Emitting Laser Market Share by Type (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Market Share by Type in 2016

Table Europe Vertical-cavity Surface Emitting Laser Sales (Units) by Application (2012-2017)

Table Europe Vertical-cavity Surface Emitting Laser Market Share by Application (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Market Share by Application in 2016

Table Europe Vertical-cavity Surface Emitting Laser Sales (Units) by Countries (2012-2017)

Table Europe Vertical-cavity Surface Emitting Laser Sales Market Share by Countries (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Sales Market Share by Countries (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Sales Market Share by Countries in 2016

Table Europe Vertical-cavity Surface Emitting Laser Revenue (Million USD) by Countries (2012-2017)

Table Europe Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries in 2016

Figure Germany Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure France Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure UK Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Russia Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Italy Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Benelux Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Sales (Units) by Type (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Market Share by Type (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Market Share by Type (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Sales (Units) by Applications (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Market Share by Applications (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Sales Market Share by

Application in 2016

Table Middle East Vertical-cavity Surface Emitting Laser Sales Volume (Units) by Countries (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Sales Volume Market Share by Countries (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Sales Volume Market Share by Countries in 2016

Table Middle East Vertical-cavity Surface Emitting Laser Revenue (Million USD) by Countries (2012-2017)

Table Middle East Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries in 2016

Figure Saudi Arabia Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Israel Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure UAE Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Iran Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Revenue (Million USD) and Growth Rate (2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Sales (Units) by Type (2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Type (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Type (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Type in 2016

Table Africa Vertical-cavity Surface Emitting Laser Sales (Units) by Application (2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Application (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Application

(2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Sales Volume (Units) by Countries (2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Countries (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Countries (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share by Countries in 2016

Table Africa Vertical-cavity Surface Emitting Laser Revenue (Million USD) by Countries (2012-2017)

Table Africa Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries (2012-2017)

Figure Africa Vertical-cavity Surface Emitting Laser Revenue Market Share by Countries in 2016

Figure South Africa Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Nigeria Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Egypt Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Algeria Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Table Finisar Corporation Vertical-cavity Surface Emitting Laser Basic Information List

Table Finisar Corporation Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Finisar Corporation Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Finisar Corporation Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Finisar Corporation Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Avago Technologies Vertical-cavity Surface Emitting Laser Basic Information List

Table Avago Technologies Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Avago Technologies Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Avago Technologies Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Avago Technologies Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Basic Information List

Table JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure JDS Uniphase Corporation Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Basic Information List

Table Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Royal Philips Electronics N.V. Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table II-VI Incorporated Vertical-cavity Surface Emitting Laser Basic Information List

Table II-VI Incorporated Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure II-VI Incorporated Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure II-VI Incorporated Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure II-VI Incorporated Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table IQE PLC Vertical-cavity Surface Emitting Laser Basic Information List

Table IQE PLC Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure IQE PLC Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure IQE PLC Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA

(2012-2017)

Figure IQE PLC Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Vertilas GmbH Vertical-cavity Surface Emitting Laser Basic Information List

Table Vertilas GmbH Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Vertilas GmbH Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Vertilas GmbH Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Vertilas GmbH Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Princeton Optronics Vertical-cavity Surface Emitting Laser Basic Information List

Table Princeton Optronics Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Princeton Optronics Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Princeton Optronics Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Princeton Optronics Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Vixar Inc. Vertical-cavity Surface Emitting Laser Basic Information List

Table Vixar Inc. Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Vixar Inc. Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Vixar Inc. Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Vixar Inc. Vertical-cavity Surface Emitting Laser Revenue Market Share in EMEA (2012-2017)

Table Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Basic Information List

Table Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Sales (Units), Revenue (Million USD), Price (K USD/Unit) and Gross Margin (2012-2017)

Figure Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate (2012-2017)

Figure Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Sales Market Share in EMEA (2012-2017)

Figure Ultra Communications Inc. Vertical-cavity Surface Emitting Laser Revenue

Market Share in EMEA (2012-2017)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Vertical-cavity Surface Emitting Laser

Figure Manufacturing Process Analysis of Vertical-cavity Surface Emitting Laser

Figure Vertical-cavity Surface Emitting Laser Industrial Chain Analysis

Table Raw Materials Sources of Vertical-cavity Surface Emitting Laser Major Manufacturers in 2016

Table Major Buyers of Vertical-cavity Surface Emitting Laser

Table Distributors/Traders List

Figure EMEA Vertical-cavity Surface Emitting Laser Sales (Units) and Growth Rate Forecast (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Revenue and Growth Rate Forecast (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Price (K USD/Unit) and Trend Forecast (2017-2022)

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Region (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Region (2017-2022)

Table EMEA Vertical-cavity Surface Emitting Laser Revenue (Million USD) Forecast by Region (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Revenue Market Share Forecast by Region (2017-2022)

Table Europe Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Countries (2017-2022)

Figure Europe Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Countries (2017-2022)

Table Europe Vertical-cavity Surface Emitting Laser Revenue (Million USD) Forecast by Countries (2017-2022)

Figure Europe Vertical-cavity Surface Emitting Laser Revenue Market Share Forecast by Countries (2017-2022)

Table Middle East Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Countries (2017-2022)

Figure Middle East Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Countries (2017-2022)

Table Middle East Vertical-cavity Surface Emitting Laser Revenue (Million USD) Forecast by Countries (2017-2022)

Figure Middle East Vertical-cavity Surface Emitting Laser Revenue Market Share Forecast by Countries (2017-2022)

Table Africa Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Countries (2017-2022)

Figure Africa Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Countries (2017-2022)

Table Africa Vertical-cavity Surface Emitting Laser Revenue (Million USD) Forecast by Countries (2017-2022)

Figure Africa Vertical-cavity Surface Emitting Laser Revenue Market Share Forecast by Countries (2017-2022)

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Type (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Type (2017-2022)

Table EMEA Vertical-cavity Surface Emitting Laser Sales (Units) Forecast by Application (2017-2022)

Figure EMEA Vertical-cavity Surface Emitting Laser Sales Market Share Forecast by Application (2017-2022)

Table Research Programs/Design for This Report

Figure Bottom-up and Top-down Approaches for This Report

Figure Data Triangulation

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

I would like to order

Product name: EMEA (Europe, Middle East and Africa) Vertical-cavity Surface Emitting Laser Market Report 2017

Product link: <https://marketpublishers.com/r/E2007081064EN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E2007081064EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

