

Global Vertical Cavity Surface Emitting Laser (VCSELs) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Vertical Cavity Surface Emitting Laser (VCSELs) market size was valued at USD 1500.3 million in 2023 and is forecast to a readjusted size of USD 3470.6 million by 2030 with a CAGR of 12.7% during review period.

The Global Info Research report includes an overview of the development of the Vertical Cavity Surface Emitting Laser (VCSELs) industry chain, the market status of Optical fiber data transmission (Gallium Nitride (GaN), Gallium Arsenide (GaAs)), Analog broadband signal transmission (Gallium Nitride (GaN), Gallium Arsenide (GaAs)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Vertical Cavity Surface Emitting Laser (VCSELs).

Regionally, the report analyzes the Vertical Cavity Surface Emitting Laser (VCSELs) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Vertical Cavity Surface Emitting Laser (VCSELs) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Vertical Cavity Surface Emitting Laser (VCSELs) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis

market dynamics, trends, challenges, and opportunities within the Vertical Cavity Surface Emitting Laser (VCSELs) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Gallium Nitride (GaN), Gallium Arsenide (GaAs)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Vertical Cavity Surface Emitting Laser (VCSELs) market.

Regional Analysis: The report involves examining the Vertical Cavity Surface Emitting Laser (VCSELs) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Vertical Cavity Surface Emitting Laser (VCSELs) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Vertical Cavity Surface Emitting Laser (VCSELs):

Company Analysis: Report covers individual Vertical Cavity Surface Emitting Laser (VCSELs) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Vertical Cavity Surface Emitting Laser (VCSELs) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Optical fiber data transmission, Analog broadband signal transmission).

Technology Analysis: Report covers specific technologies relevant to Vertical Cavity Surface Emitting Laser (VCSELs). It assesses the current state, advancements, and

potential future developments in Vertical Cavity Surface Emitting Laser (VCSELs) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Vertical Cavity Surface Emitting Laser (VCSELs) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Vertical Cavity Surface Emitting Laser (VCSELs) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

- Gallium Nitride (GaN)
- Gallium Arsenide (GaAs)
- Indium Phosphide (InP)
- Others (InGaAsN, AlGaAs, etc.)

Market segment by Application

- Optical fiber data transmission
- Analog broadband signal transmission
- Absorption Spectroscopy
- Laser printers

Computer mice

Biological tissue analysis

Chip scale atomic clocks

Other

Major players covered

IQE Public Limited Company

Finisar Corporation

Broadcom Limited

II-VI Incorporated

Coherent, Inc.

Panasonic Corporation

Newport Corporation

Royal Philips Electronics N.V

Princeton Optronics Inc

Lumentum Holdings, Inc

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Vertical Cavity Surface Emitting Laser (VCSELs) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vertical Cavity Surface Emitting Laser (VCSELs), with price, sales, revenue and global market share of Vertical Cavity Surface Emitting Laser (VCSELs) from 2019 to 2024.

Chapter 3, the Vertical Cavity Surface Emitting Laser (VCSELs) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vertical Cavity Surface Emitting Laser (VCSELs) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Vertical Cavity Surface Emitting Laser (VCSELs) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Vertical Cavity Surface Emitting Laser (VCSELs).

Chapter 14 and 15, to describe Vertical Cavity Surface Emitting Laser (VCSELs) sales

channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Vertical Cavity Surface Emitting Laser (VCSELs)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Gallium Nitride (GaN)
 - 1.3.3 Gallium Arsenide (GaAs)
 - 1.3.4 Indium Phosphide (InP)
 - 1.3.5 Others (InGaAsN, AlGaAs, etc.)
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Optical fiber data transmission
 - 1.4.3 Analog broadband signal transmission
 - 1.4.4 Absorption Spectroscopy
 - 1.4.5 Laser printers
 - 1.4.6 Computer mice
 - 1.4.7 Biological tissue analysis
 - 1.4.8 Chip scale atomic clocks
 - 1.4.9 Other
- 1.5 Global Vertical Cavity Surface Emitting Laser (VCSELs) Market Size & Forecast
 - 1.5.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (2019-2030)
 - 1.5.3 Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 IQE Public Limited Company
 - 2.1.1 IQE Public Limited Company Details
 - 2.1.2 IQE Public Limited Company Major Business
 - 2.1.3 IQE Public Limited Company Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.1.4 IQE Public Limited Company Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 IQE Public Limited Company Recent Developments/Updates

2.2 Finisar Corporation

2.2.1 Finisar Corporation Details

2.2.2 Finisar Corporation Major Business

2.2.3 Finisar Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.2.4 Finisar Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Finisar Corporation Recent Developments/Updates

2.3 Broadcom Limited

2.3.1 Broadcom Limited Details

2.3.2 Broadcom Limited Major Business

2.3.3 Broadcom Limited Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.3.4 Broadcom Limited Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Broadcom Limited Recent Developments/Updates

2.4 II-VI Incorporated

2.4.1 II-VI Incorporated Details

2.4.2 II-VI Incorporated Major Business

2.4.3 II-VI Incorporated Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.4.4 II-VI Incorporated Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 II-VI Incorporated Recent Developments/Updates

2.5 Coherent, Inc.

2.5.1 Coherent, Inc. Details

2.5.2 Coherent, Inc. Major Business

2.5.3 Coherent, Inc. Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.5.4 Coherent, Inc. Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Coherent, Inc. Recent Developments/Updates

2.6 Panasonic Corporation

2.6.1 Panasonic Corporation Details

2.6.2 Panasonic Corporation Major Business

2.6.3 Panasonic Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product

and Services

2.6.4 Panasonic Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Panasonic Corporation Recent Developments/Updates

2.7 Newport Corporation

2.7.1 Newport Corporation Details

2.7.2 Newport Corporation Major Business

2.7.3 Newport Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.7.4 Newport Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Newport Corporation Recent Developments/Updates

2.8 Royal Philips Electronics N.V

2.8.1 Royal Philips Electronics N.V Details

2.8.2 Royal Philips Electronics N.V Major Business

2.8.3 Royal Philips Electronics N.V Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.8.4 Royal Philips Electronics N.V Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Royal Philips Electronics N.V Recent Developments/Updates

2.9 Princeton Optronics Inc

2.9.1 Princeton Optronics Inc Details

2.9.2 Princeton Optronics Inc Major Business

2.9.3 Princeton Optronics Inc Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.9.4 Princeton Optronics Inc Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Princeton Optronics Inc Recent Developments/Updates

2.10 Lumentum Holdings, Inc

2.10.1 Lumentum Holdings, Inc Details

2.10.2 Lumentum Holdings, Inc Major Business

2.10.3 Lumentum Holdings, Inc Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

2.10.4 Lumentum Holdings, Inc Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Lumentum Holdings, Inc Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: VERTICAL CAVITY SURFACE EMITTING LASER (VCSELS) BY MANUFACTURER

- 3.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Vertical Cavity Surface Emitting Laser (VCSELs) Revenue by Manufacturer (2019-2024)
- 3.3 Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Vertical Cavity Surface Emitting Laser (VCSELs) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Vertical Cavity Surface Emitting Laser (VCSELs) Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Vertical Cavity Surface Emitting Laser (VCSELs) Manufacturer Market Share in 2023
- 3.5 Vertical Cavity Surface Emitting Laser (VCSELs) Market: Overall Company Footprint Analysis
 - 3.5.1 Vertical Cavity Surface Emitting Laser (VCSELs) Market: Region Footprint
 - 3.5.2 Vertical Cavity Surface Emitting Laser (VCSELs) Market: Company Product Type Footprint
 - 3.5.3 Vertical Cavity Surface Emitting Laser (VCSELs) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Region
 - 4.1.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2019-2030)
 - 4.1.3 Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Region (2019-2030)
- 4.2 North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030)
- 4.3 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030)
- 4.4 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030)

4.5 South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030)

4.6 Middle East and Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2030)

5.2 Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type (2019-2030)

5.3 Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

6.2 Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application (2019-2030)

6.3 Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2030)

7.2 North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

7.3 North America Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Country

7.3.1 North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2030)

7.3.2 North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2030)

8.2 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

8.3 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Country

8.3.1 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2030)

8.3.2 Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Region

9.3.1 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by

Type (2019-2030)

10.2 South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

10.3 South America Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Country

10.3.1 South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2030)

10.3.2 South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Market Size by Country

11.3.1 Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Vertical Cavity Surface Emitting Laser (VCSELs) Market Drivers

12.2 Vertical Cavity Surface Emitting Laser (VCSELs) Market Restraints

12.3 Vertical Cavity Surface Emitting Laser (VCSELs) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Vertical Cavity Surface Emitting Laser (VCSELs) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Vertical Cavity Surface Emitting Laser (VCSELs)

13.3 Vertical Cavity Surface Emitting Laser (VCSELs) Production Process

13.4 Vertical Cavity Surface Emitting Laser (VCSELs) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Vertical Cavity Surface Emitting Laser (VCSELs) Typical Distributors

14.3 Vertical Cavity Surface Emitting Laser (VCSELs) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. IQE Public Limited Company Basic Information, Manufacturing Base and Competitors

Table 4. IQE Public Limited Company Major Business

Table 5. IQE Public Limited Company Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 6. IQE Public Limited Company Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. IQE Public Limited Company Recent Developments/Updates

Table 8. Finisar Corporation Basic Information, Manufacturing Base and Competitors

Table 9. Finisar Corporation Major Business

Table 10. Finisar Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 11. Finisar Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Finisar Corporation Recent Developments/Updates

Table 13. Broadcom Limited Basic Information, Manufacturing Base and Competitors

Table 14. Broadcom Limited Major Business

Table 15. Broadcom Limited Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 16. Broadcom Limited Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Broadcom Limited Recent Developments/Updates

Table 18. II-VI Incorporated Basic Information, Manufacturing Base and Competitors

Table 19. II-VI Incorporated Major Business

Table 20. II-VI Incorporated Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 21. II-VI Incorporated Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin

and Market Share (2019-2024)

Table 22. II-VI Incorporated Recent Developments/Updates

Table 23. Coherent, Inc. Basic Information, Manufacturing Base and Competitors

Table 24. Coherent, Inc. Major Business

Table 25. Coherent, Inc. Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 26. Coherent, Inc. Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Coherent, Inc. Recent Developments/Updates

Table 28. Panasonic Corporation Basic Information, Manufacturing Base and Competitors

Table 29. Panasonic Corporation Major Business

Table 30. Panasonic Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 31. Panasonic Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Panasonic Corporation Recent Developments/Updates

Table 33. Newport Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Newport Corporation Major Business

Table 35. Newport Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 36. Newport Corporation Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Newport Corporation Recent Developments/Updates

Table 38. Royal Philips Electronics N.V Basic Information, Manufacturing Base and Competitors

Table 39. Royal Philips Electronics N.V Major Business

Table 40. Royal Philips Electronics N.V Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 41. Royal Philips Electronics N.V Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Royal Philips Electronics N.V Recent Developments/Updates

Table 43. Princeton Optronics Inc Basic Information, Manufacturing Base and Competitors

Table 44. Princeton Optronics Inc Major Business

Table 45. Princeton Optronics Inc Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 46. Princeton Optronics Inc Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Princeton Optronics Inc Recent Developments/Updates

Table 48. Lumentum Holdings, Inc Basic Information, Manufacturing Base and Competitors

Table 49. Lumentum Holdings, Inc Major Business

Table 50. Lumentum Holdings, Inc Vertical Cavity Surface Emitting Laser (VCSELs) Product and Services

Table 51. Lumentum Holdings, Inc Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Lumentum Holdings, Inc Recent Developments/Updates

Table 53. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 54. Global Vertical Cavity Surface Emitting Laser (VCSELs) Revenue by Manufacturer (2019-2024) & (USD Million)

Table 55. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 56. Market Position of Manufacturers in Vertical Cavity Surface Emitting Laser (VCSELs), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and Vertical Cavity Surface Emitting Laser (VCSELs) Production Site of Key Manufacturer

Table 58. Vertical Cavity Surface Emitting Laser (VCSELs) Market: Company Product Type Footprint

Table 59. Vertical Cavity Surface Emitting Laser (VCSELs) Market: Company Product Application Footprint

Table 60. Vertical Cavity Surface Emitting Laser (VCSELs) New Market Entrants and Barriers to Market Entry

Table 61. Vertical Cavity Surface Emitting Laser (VCSELs) Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2019-2024) & (K Units)

Table 63. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2025-2030) & (K Units)

Table 64. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Region (2019-2024) & (USD/Unit)

Table 67. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Region (2025-2030) & (USD/Unit)

Table 68. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 69. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 70. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type (2025-2030) & (USD Million)

Table 72. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Type (2019-2024) & (USD/Unit)

Table 73. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Type (2025-2030) & (USD/Unit)

Table 74. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 75. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 76. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Application (2019-2024) & (USD/Unit)

Table 79. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Application (2025-2030) & (USD/Unit)

Table 80. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 81. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 82. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 83. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 84. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales

Quantity by Country (2019-2024) & (K Units)

Table 85. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales

Quantity by Country (2025-2030) & (K Units)

Table 86. North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption

Value by Country (2019-2024) & (USD Million)

Table 87. North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption

Value by Country (2025-2030) & (USD Million)

Table 88. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 89. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 90. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 91. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 92. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2024) & (K Units)

Table 93. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2025-2030) & (K Units)

Table 94. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2025-2030) & (USD Million)

Table 96. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 97. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 98. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 99. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 100. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2019-2024) & (K Units)

Table 101. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2025-2030) & (K Units)

Table 102. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2019-2024) & (USD Million)

Table 103. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2025-2030) & (USD Million)

Table 104. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 105. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 106. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 107. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 108. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2019-2024) & (K Units)

Table 109. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Country (2025-2030) & (K Units)

Table 110. South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2019-2024) & (USD Million)

Table 111. South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Country (2025-2030) & (USD Million)

Table 112. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2019-2024) & (K Units)

Table 113. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Type (2025-2030) & (K Units)

Table 114. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2019-2024) & (K Units)

Table 115. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Application (2025-2030) & (K Units)

Table 116. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2019-2024) & (K Units)

Table 117. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity by Region (2025-2030) & (K Units)

Table 118. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Vertical Cavity Surface Emitting Laser (VCSELs) Raw Material

Table 121. Key Manufacturers of Vertical Cavity Surface Emitting Laser (VCSELs) Raw Materials

Table 122. Vertical Cavity Surface Emitting Laser (VCSELs) Typical Distributors

Table 123. Vertical Cavity Surface Emitting Laser (VCSELs) Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Vertical Cavity Surface Emitting Laser (VCSELs) Picture
- Figure 2. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Type in 2023
- Figure 4. Gallium Nitride (GaN) Examples
- Figure 5. Gallium Arsenide (GaAs) Examples
- Figure 6. Indium Phosphide (InP) Examples
- Figure 7. Others (InGaAsN, AlGaAs, etc.) Examples
- Figure 8. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 9. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Application in 2023
- Figure 10. Optical fiber data transmission Examples
- Figure 11. Analog broadband signal transmission Examples
- Figure 12. Absorption Spectroscopy Examples
- Figure 13. Laser printers Examples
- Figure 14. Computer mice Examples
- Figure 15. Biological tissue analysis Examples
- Figure 16. Chip scale atomic clocks Examples
- Figure 17. Other Examples
- Figure 18. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 19. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 20. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity (2019-2030) & (K Units)
- Figure 21. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price (2019-2030) & (USD/Unit)
- Figure 22. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Manufacturer in 2023
- Figure 23. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Manufacturer in 2023
- Figure 24. Producer Shipments of Vertical Cavity Surface Emitting Laser (VCSELs) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 25. Top 3 Vertical Cavity Surface Emitting Laser (VCSELs) Manufacturer (Consumption Value) Market Share in 2023

Figure 26. Top 6 Vertical Cavity Surface Emitting Laser (VCSELs) Manufacturer (Consumption Value) Market Share in 2023

Figure 27. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Region (2019-2030)

Figure 28. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Region (2019-2030)

Figure 29. North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030) & (USD Million)

Figure 30. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030) & (USD Million)

Figure 31. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030) & (USD Million)

Figure 32. South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030) & (USD Million)

Figure 33. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value (2019-2030) & (USD Million)

Figure 34. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)

Figure 35. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Type (2019-2030)

Figure 36. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Type (2019-2030) & (USD/Unit)

Figure 37. Global Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)

Figure 38. Global Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Application (2019-2030)

Figure 39. Global Vertical Cavity Surface Emitting Laser (VCSELs) Average Price by Application (2019-2030) & (USD/Unit)

Figure 40. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)

Figure 41. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)

Figure 42. North America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Country (2019-2030)

Figure 43. North America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Country (2019-2030)

Figure 44. United States Vertical Cavity Surface Emitting Laser (VCSELs) Consumption

Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. Canada Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. Mexico Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)

Figure 48. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)

Figure 49. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Country (2019-2030)

Figure 50. Europe Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Country (2019-2030)

Figure 51. Germany Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. France Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. United Kingdom Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Russia Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Italy Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)

Figure 57. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)

Figure 58. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Region (2019-2030)

Figure 59. Asia-Pacific Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Region (2019-2030)

Figure 60. China Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Japan Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Korea Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. India Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)

- Figure 64. Southeast Asia Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 65. Australia Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 66. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)
- Figure 67. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)
- Figure 68. South America Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Country (2019-2030)
- Figure 69. South America Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Country (2019-2030)
- Figure 70. Brazil Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 71. Argentina Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 72. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Type (2019-2030)
- Figure 73. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Application (2019-2030)
- Figure 74. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Sales Quantity Market Share by Region (2019-2030)
- Figure 75. Middle East & Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value Market Share by Region (2019-2030)
- Figure 76. Turkey Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 77. Egypt Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 78. Saudi Arabia Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 79. South Africa Vertical Cavity Surface Emitting Laser (VCSELs) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 80. Vertical Cavity Surface Emitting Laser (VCSELs) Market Drivers
- Figure 81. Vertical Cavity Surface Emitting Laser (VCSELs) Market Restraints
- Figure 82. Vertical Cavity Surface Emitting Laser (VCSELs) Market Trends
- Figure 83. Porters Five Forces Analysis
- Figure 84. Manufacturing Cost Structure Analysis of Vertical Cavity Surface Emitting Laser (VCSELs) in 2023
- Figure 85. Manufacturing Process Analysis of Vertical Cavity Surface Emitting Laser

(VCSELs)

Figure 86. Vertical Cavity Surface Emitting Laser (VCSELs) Industrial Chain

Figure 87. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 88. Direct Channel Pros & Cons

Figure 89. Indirect Channel Pros & Cons

Figure 90. Methodology

Figure 91. Research Process and Data Source

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