

2026-2031 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

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Abstracts

HNY Research projects that the Vertical External Cavity Surface Emitting Laser (VECSEL) market size will grow from 1656.4 Million USD in 2025 to 3487.54 Million USD by 2031, at an estimated CAGR of 13.21%. The base year considered for the study is 2025, and the market size is projected from 2026 to 2031.

For 2025 regional market size, the North America market size was 401.84 Million USD, the Europe market size was 301.3 Million USD, and the Asia market size was 240.84 Million USD.

This report presents a detailed and holistic analysis of the global Vertical External Cavity Surface Emitting Laser (VECSEL) market. It integrates quantitative data with qualitative insights to equip readers with the necessary information for strategic planning, competitive assessment, market positioning, and data-driven decision-making.

All market sizes, estimates, and forecasts are expressed in terms of output/shipments and revenue. With 2025 serving as the base year, the report provides historical context from 2020. and projections up to 2031. It includes a complete segmentation of the global market, along with regional market sizes analyzed by type, application, and key industry participants.

Further enriching the analysis, the report outlines the competitive environment, offering profiles of prominent players and their market standings. It also explores key technological advancements and recent developments in product offerings.

Ultimately, this report serves as a vital resource for Vertical External Cavity Surface Emitting Laser (VECSEL) manufacturers, prospective entrants, and other stakeholders within the industry value chain. It supplies comprehensive data on revenues, production, and average pricing for the overall market and its sub-segments, detailed by company, product type, application, and geographic region.

By Market Players:

II-VI

Furukawa Electric

Polytec GmbH

Lumentum

3SP Technologies

DoGain Laser Technology

Lumics

Oxxius

Thorlabs

InnoLas

Vexlum

By Type

976 nm

980 nm

1480 nm

Others

By Application

Metal Processing

Medical

Communication

Laboratory

By Regions/Countries:

North America

East Asia

Europe

South Asia

Southeast Asia

Middle East

Africa

Oceania
South America

Points Covered in The Report

The points that are discussed within the report are the major market players that are involved in the market such as market players, raw material suppliers, equipment suppliers, end users, traders, distributors and etc.

The complete profile of the companies is mentioned. And the capacity, production, price, revenue, cost, gross, gross margin, sales volume, sales revenue, consumption, growth rate, import, export, supply, future strategies, and the technological developments that they are making are also included within the report. This report analyzed 12 years data history and forecast.

The growth factors of the market is discussed in detail wherein the different end users of the market are explained in detail.

Data and information by market player, by region, by type, by application and etc, and custom research can be added according to specific requirements.

The report contains the SWOT analysis of the market. Finally, the report contains the conclusion part where the opinions of the industrial experts are included.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements.

Contents

1 REPORT OVERVIEW

- 1.1 Study Scope
- 1.2 Key Market Segments
- 1.3 Global Market Size by Player 2020-2025
- 1.4 Global Market Size by Type in 2026-2031
 - 1.4.1 Global Market Size by Type in 2026-2031
 - 1.4.2 976 nm
 - 1.4.3 980 nm
 - 1.4.4 1480 nm
 - 1.4.5 Others
- 1.5 Global Market Size by Application in 2026-2031
 - 1.5.1 Global Market Size by Application in 2026-2031
 - 1.5.2 Metal Processing
 - 1.5.3 Medical
 - 1.5.4 Communication
 - 1.5.5 Laboratory
- 1.6 Global Market Size by Region 2026-2031
 - 1.6.1 Global Market Size Outlook 2026-2031
 - 1.6.2 North America
 - 1.6.3 East Asia
 - 1.6.4 Europe
 - 1.6.5 South Asia
 - 1.6.6 Southeast Asia
 - 1.6.7 Middle East
 - 1.6.8 Africa
 - 1.6.9 Oceania
 - 1.6.10 South America
 - 1.6.11 Rest of the World

2 MANUFACTURING COST STRUCTURE ANALYSIS 2026

- 2.1 Manufacturing Cost Structure Analysis of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026
- 2.2 Industry Chain Structure Analysis of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026

3 MARKET COMPETITION ANALYSIS BY PLAYERS 2020-2025

3.1 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity by Players 2020-2025

3.2 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue by Players 2020-2025

3.3 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Ex-Factory Price by Players 2020-2025

4 MARKET COMPETITION ANALYSIS BY REGION 2020-2025

4.1 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production by Region 2020-2025

4.1.1 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume by Region 2020-2025

4.1.2 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue by Region 2020-2025

4.2 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Consumption Volume by Region 2020-2025

4.3 North America Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.3.1 North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.3.2 North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.3.3 North America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.3.4 North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

4.4 East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.4.1 East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.4.2 East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.4.3 East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.4.4 East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

4.5 Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.5.1 Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.5.2 Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.5.3 Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.5.4 Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

4.6 South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.6.1 South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.6.2 South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.6.3 South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.6.4 South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

4.7 Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.7.1 Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.7.2 Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.7.3 Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.7.4 Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

4.8 Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Market Competition Analysis 2020-2025

4.8.1 Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

4.8.2 Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

4.8.3 Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

4.8.4 Middle East Vertical External Cavity Surface Emitting Laser (VECSEL)

Production, Consumption, Import and Export 2020-2025

4.9 Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Market

Competition Analysis 2020-2025

4.9.1 Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Volume Analysis 2020-2025

4.9.2 Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Revenue Analysis 2020-2025

4.9.3 Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume
by Key Players 2020-2025

4.9.4 Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production,
Consumption, Import and Export 2020-2025

4.10 Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Market
Competition Analysis 2020-2025

4.10.1 Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Volume Analysis 2020-2025

4.10.2 Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Revenue Analysis 2020-2025

4.10.3 Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Sales
Volume by Key Players 2020-2025

4.10.4 Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production,
Consumption, Import and Export 2020-2025

4.11 South America Vertical External Cavity Surface Emitting Laser (VECSEL) Market
Competition Analysis 2020-2025

4.11.1 South America Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Volume Analysis 2020-2025

4.11.2 South America Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Revenue Analysis 2020-2025

4.11.3 South America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales
Volume by Key Players 2020-2025

4.11.4 South America Vertical External Cavity Surface Emitting Laser (VECSEL)
Production, Consumption, Import and Export 2020-2025

5 MARKET COMPETITION ANALYSIS BY TYPE (SALES VIEW) 2020-2031

5.1 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic Market
Size by Type in 2020-2025

5.2 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted
Market Size by Type in 2026-2031

6 MARKET COMPETITION ANALYSIS BY APPLICATION (CONSUMPTION VIEW) 2020-2031

6.1 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic Market Size by Application in 2020-2025

6.2 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted Market Size by Application in 2026-2031

7 LEADING COMPANY PROFILES AND KEY FIGURES IN VERTICAL EXTERNAL CAVITY SURFACE EMITTING LASER (VECSEL) BUSINESS 2020-2025

7.1 II-VI

7.1.1 II-VI Company Profile

7.1.2 II-VI Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

7.1.3 II-VI Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.2 Furukawa Electric

7.2.1 Furukawa Electric Company Profile

7.2.2 Furukawa Electric Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

7.2.3 Furukawa Electric Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.3 Polytec GmbH

7.3.1 Polytec GmbH Company Profile

7.3.2 Polytec GmbH Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

7.3.3 Polytec GmbH Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.4 Lumentum

7.4.1 Lumentum Company Profile

7.4.2 Lumentum Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

7.4.3 Lumentum Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.5 3SP Technologies

7.5.1 3SP Technologies Company Profile

7.5.2 3SP Technologies Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

7.5.3 3SP Technologies Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.6 DoGain Laser Technology

7.6.1 DoGain Laser Technology Company Profile

7.6.2 DoGain Laser Technology Vertical External Cavity Surface Emitting Laser
(VECSEL) Product Specification

7.6.3 DoGain Laser Technology Vertical External Cavity Surface Emitting Laser
(VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.7 Lumics

7.7.1 Lumics Company Profile

7.7.2 Lumics Vertical External Cavity Surface Emitting Laser (VECSEL) Product
Specification

7.7.3 Lumics Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

7.8 Oxxius

7.8.1 Oxxius Company Profile

7.8.2 Oxxius Vertical External Cavity Surface Emitting Laser (VECSEL) Product
Specification

7.8.3 Oxxius Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

7.9 Thorlabs

7.9.1 Thorlabs Company Profile

7.9.2 Thorlabs Vertical External Cavity Surface Emitting Laser (VECSEL) Product
Specification

7.9.3 Thorlabs Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

7.10 InnoLas

7.10.1 InnoLas Company Profile

7.10.2 InnoLas Vertical External Cavity Surface Emitting Laser (VECSEL) Product
Specification

7.10.3 InnoLas Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

7.11 Vexlum

7.11.1 Vexlum Company Profile

7.11.2 Vexlum Vertical External Cavity Surface Emitting Laser (VECSEL) Product
Specification

7.11.3 Vexlum Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

8 MARKET FORECAST ANALYSIS ON PRODUCTION AND SUPPLY BY REGION 2026-2031

8.1 Global Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.2 Global Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3 Global Forecasted Production Volume of Vertical External Cavity Surface Emitting Laser (VECSEL) by Region 2026-2031

8.3.1 North America Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.2 East Asia Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.3 Europe Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.4 South Asia Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.5 Southeast Asia Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.6 Middle East Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.7 Africa Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.8 Oceania Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.9 South America Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.3.10 Rest of the World Forecasted Production of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

8.4 Global Forecasted Sales by Type and Consumption by Application in 2026-2031

8.4.1 Global Forecasted Sales Volume, Sales Revenue and Sales Price by Type in 2026-2031

8.4.2 Global Forecasted Consumption Volume and Consumption Value by Application in 2026-2031

9 MARKET FORECAST ANALYSIS ON CONSUMPTION AND DEMAND BY REGION 2026-2031

9.1 North America Forecasted Consumption of Vertical External Cavity Surface Emitting

Laser (VECSEL) by Country

9.2 East Asia Forecasted Consumption of Vertical External Cavity Surface Emitting

Laser (VECSEL) by Country

9.3 Europe Market Forecasted Consumption of Vertical External Cavity Surface

Emitting Laser (VECSEL) by Country

9.4 South Asia Forecasted Consumption of Vertical External Cavity Surface Emitting

Laser (VECSEL) by Country

9.5 Southeast Asia Forecasted Consumption of Vertical External Cavity Surface

Emitting Laser (VECSEL) by Country

9.6 Middle East Forecasted Consumption of Vertical External Cavity Surface Emitting

Laser (VECSEL) by Country

9.7 Africa Forecasted Consumption of Vertical External Cavity Surface Emitting Laser

(VECSEL) by Country

9.8 Oceania Forecasted Consumption of Vertical External Cavity Surface Emitting Laser

(VECSEL) by Country

9.9 South America Forecasted Consumption of Vertical External Cavity Surface

Emitting Laser (VECSEL) by Country

9.10 Rest of the World Forecasted Consumption of Vertical External Cavity Surface

Emitting Laser (VECSEL) by Country

10 MARKETING CHANNEL, DISTRIBUTORS AND CUSTOMERS ANALYSIS

10.1 Marketing Channel

10.1.1 Direct Channels

10.1.2 Indirect Channels

11 MARKET DYNAMICS ANALYSIS

11.1 Market Trends

11.2 Opportunities and Drivers

11.3 Challenges

11.4 Porter's Five Forces Analysis

12 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 Who Trust HNY Research

13.4 Disclaimer

Research Methodology

List Of Tables

LIST OF TABLES

Table Global Market Size in Production Revenue by Player 2020-2025

Table Global Market Size in Sales Revenue by Type in 2026-2031

Table Global Market Size in Consumption Value by Application in 2026-2031

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Capacity by Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume by Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Market Share by Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue by Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Share by Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Ex-Factory Price of Key Players 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume by Region 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Market Share by Region 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue by Region 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Market Share by Region 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Consumption Volume by Region 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Consumption Volume Market Share by Region 2020-2025

Table North America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

2026-2031 Global Vertical External Cavity Surface Emitting Laser (VECSEL) Outlook Market Size, Share & Trends...

Table Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table South America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Volume by Key Players 2020-2025

Table South America Vertical External Cavity Surface Emitting Laser (VECSEL) Production, Consumption, Import and Export 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic Sales Revenue by Type in 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic Sales Revenue Market Share by Type in 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted Sales Revenue by Type in 2026-2031

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic Consumption Value by Application in 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Historic

Cosumption Value Market Share by Application in 2020-2025

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted
Cononumption Value by Application in 2026-2031

Table Global Vertical External Cavity Surface Emitting Laser (VECSEL) Forecasted
Cononumption Value Market Share by Application in 2026-2031

Table II-VI Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table Furukawa Electric Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Polytec GmbH Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Lumentum Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table 3SP Technologies Vertical External Cavity Surface Emitting Laser (VECSEL)
Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table DoGain Laser Technology Vertical External Cavity Surface Emitting Laser
(VECSEL) Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Lumics Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table Oxixius Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table Thorlabs Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table InnoLas Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table Vexlum Vertical External Cavity Surface Emitting Laser (VECSEL) Production
Capacity, Revenue, Price and Gross Margin 2020-2025

Table Global Forecasted Production Volume of Vertical External Cavity Surface
Emitting Laser (VECSEL) by Region 2026-2031

Table Global Forecasted Sales Volume by Type in 2026-2031

Table Global Forecasted Sales Volume Market Share by Type in 2026-2031

Table Global Forecasted Sales Revenue by Type in 2026-2031

Table Global Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Forecasted Sales Price by Type in 2026-2031

Table Global Forecasted Consumption Volume by Application in 2026-2031

Table Global Forecasted Consumption Value by Application in 2026-2031

Table Market Key Trends

Table Key Opportunities and Drivers: Impact Analysis 2026-2031

Table Key Challenges

Table Research Programs/Design for This Report

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure Global Market Share in Sales Revenue by Type in 2025

Figure 976 nm Features

Figure 980 nm Features

Figure 1480 nm Features

Figure Others Features

Figure Global Market Share in Consumption Value by Application in 2025

Figure Metal Processing Case Studies

Figure Medical Case Studies

Figure Communication Case Studies

Figure Laboratory Case Studies

Figure Global Market Size in Sales Revenue Outlook 2026-2031

Figure North America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure South America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure South America Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Rest of the World Vertical External Cavity Surface Emitting Laser (VECSEL) Sales Revenue and Growth Rate 2026-2031

Figure Manufacturing Cost Structure Analysis of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026

Figure Industry Chain Structure Analysis of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026

Figure Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Market Share by Region in 2025

Figure Global Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Market Share by Region in 2025

Figure North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure North America Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure East Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure Europe Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure South Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure Southeast Asia Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure Middle East Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure Africa Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure Oceania Vertical External Cavity Surface Emitting Laser (VECSEL) Production Revenue Analysis 2020-2025

Figure South America Vertical External Cavity Surface Emitting Laser (VECSEL) Production Volume Analysis 2020-2025

Figure South America Vertical External Cavity Surface Emitting Laser (VECSEL)

Production Revenue Analysis 2020-2025

Figure II-VI Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Furukawa Electric Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Polytec GmbH Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Lumentum Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure 3SP Technologies Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure DoGain Laser Technology Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Lumics Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Oxixus Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Thorlabs Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure InnoLas Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Vexlum Vertical External Cavity Surface Emitting Laser (VECSEL) Product Specification

Figure Global Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Global Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure North America Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure North America Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure East Asia Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure East Asia Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Europe Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Europe Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South Asia Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South Asia Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Southeast Asia Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Southeast Asia Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Middle East Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Middle East Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Africa Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Africa Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Oceania Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Oceania Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South America Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South America Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Rest of the World Forecasted Production Capacity of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Rest of the World Forecasted Production Revenue of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure North America Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure North America Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure East Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure East Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Europe Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Europe Forecasted Consumption of Vertical External Cavity Surface Emitting

Laser (VECSEL) 2031 by Country

Figure South Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Southeast Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Southeast Asia Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Middle East Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Middle East Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Africa Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Africa Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Oceania Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Oceania Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure South America Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure South America Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Rest of the World Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2026-2031

Figure Rest of the World Forecasted Consumption of Vertical External Cavity Surface Emitting Laser (VECSEL) 2031 by Country

Figure Channels of Distribution

Figure Porter's Five Forces Analysis

Figure Key Executives Interviewed

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