



Global Surface-emitting Semiconductor Laser Market Outlook and Growth Opportunities 2026

Industry	Published	Pages	Format
Electronics & Semiconductor	2026-05-03	182	PDF
Single User	Multi User	Enterprise	
USD 4,250	USD 6,375	USD 8,500	

Description

The global Surface-emitting Semiconductor Laser market was valued at US\$ million in 2026 and is projected to reach US\$ million by 2032, implying a compound annual growth rate (CAGR) of % over 2026-2032.

The North America market for Surface-emitting Semiconductor Laser is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Europe market for Surface-emitting Semiconductor Laser is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

The Asia Pacific market for Surface-emitting Semiconductor Laser is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

In China, the Surface-emitting Semiconductor Laser market is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Major global companies in the Surface-emitting Semiconductor Laser market include Finisar, Vixar, Avago Technologies, JDS Uniphase, Philips, ams, II-VI Incorporated and Ace Photonics, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

This report provides an overview of the global Surface-emitting Semiconductor Laser market in terms of sales, revenue, and price, analyzing global market trends using historical revenue and sales data for 2021-2025, estimates for 2026, and projected CAGRs through 2032.

The study covers key producers of Surface-emitting Semiconductor Laser and sales in major regions and countries, assesses future market potential, and highlights priority regions and countries for segmenting the market into sub-sectors, with country-specific market value data for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, the Middle East, Africa, and other countries.

The report also presents Surface-emitting Semiconductor Laser sales, revenue, market share, and industry ranking for the main manufacturers for 2021-2026, identifies the major stakeholders in the global market, and analyzes their competitive landscape and market positioning based on recent developments and segmental revenues.

In addition, the report analyzes segment data by Type and Application—covering sales, revenue, and price—for 2021-2032, and evaluates and forecasts the Surface-emitting Semiconductor Laser market size, projected growth trends, production technologies, key applications, and end-use industries.

Surface-emitting Semiconductor Laser Segment by Company

- Finisar
- Vixar
- Avago Technologies

JDS Uniphase
Philips
ams
II-VI Incorporated
Ace Photonics

Surface-emitting Semiconductor Laser Segment by Type

VCSEL
RCSEL

Surface-emitting Semiconductor Laser Segment by Application

Optical Communication
Optical Storage
Optical Information Processing

Surface-emitting Semiconductor Laser Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea
India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Colombia
Middle East & Africa
Egypt
South Africa
Israel
Türkiye

GCC Countries

Study Objectives

1. To analyze and research the global Surface-emitting Semiconductor Laser status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions Surface-emitting Semiconductor Laser market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Surface-emitting Semiconductor Laser significant trends, drivers, influence factors in global and regions.
6. To analyze Surface-emitting Semiconductor Laser competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Surface-emitting Semiconductor Laser market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Surface-emitting Semiconductor Laser and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Surface-emitting Semiconductor Laser.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Provides an overview of the Surface-emitting Semiconductor Laser market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2021-2032).

Chapter 2:

Analysis key trends, drivers, challenges, and opportunities within the global Surface-emitting Semiconductor Laser industry.

Chapter 3:

Detailed analysis of Surface-emitting Semiconductor Laser manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6:

Sales and value of Surface-emitting Semiconductor Laser in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7:

Sales and value of Surface-emitting Semiconductor Laser in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Concluding Insights.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Surface-emitting Semiconductor Laser Sales Value (2021-2032)
 - 1.2.2 Global Surface-emitting Semiconductor Laser Sales Volume (2021-2032)
 - 1.2.3 Global Surface-emitting Semiconductor Laser Sales Average Price (2021-2032)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 Surface-emitting Semiconductor Laser Market Dynamics

- 2.1 Surface-emitting Semiconductor Laser Industry Trends
- 2.2 Surface-emitting Semiconductor Laser Industry Drivers
- 2.3 Surface-emitting Semiconductor Laser Industry Opportunities and Challenges
- 2.4 Surface-emitting Semiconductor Laser Industry Restraints

3 Surface-emitting Semiconductor Laser Market by Company

- 3.1 Global Surface-emitting Semiconductor Laser Company Revenue Ranking in 2025
- 3.2 Global Surface-emitting Semiconductor Laser Revenue by Company (2021-2026)
- 3.3 Global Surface-emitting Semiconductor Laser Sales Volume by Company (2021-2026)
- 3.4 Global Surface-emitting Semiconductor Laser Average Price by Company (2021-2026)
- 3.5 Global Surface-emitting Semiconductor Laser Company Ranking (2024-2026)
- 3.6 Global Surface-emitting Semiconductor Laser Company Manufacturing Base and Headquarters
- 3.7 Global Surface-emitting Semiconductor Laser Company Product Type and Application
- 3.8 Global Surface-emitting Semiconductor Laser Company Establishment Date
- 3.9 Market Competitive Analysis
 - 3.9.1 Global Surface-emitting Semiconductor Laser Market Concentration Ratio (CR5 and HHI)
 - 3.9.2 Global Top 5 and 10 Company Market Share by Revenue in 2025
 - 3.9.3 2025 Surface-emitting Semiconductor Laser Tier 1, Tier 2, and Tier 3 Companies
- 3.10 Mergers and Acquisitions Expansion

4 Surface-emitting Semiconductor Laser Market by Type

- 4.1 Surface-emitting Semiconductor Laser Type Introduction
 - 4.1.1 VCSEL
 - 4.1.2 RCSEL
- 4.2 Global Surface-emitting Semiconductor Laser Sales Volume by Type
 - 4.2.1 Global Surface-emitting Semiconductor Laser Sales Volume by Type (2021 VS 2025 VS 2032)
 - 4.2.2 Global Surface-emitting Semiconductor Laser Sales Volume by Type (2021-2032)
 - 4.2.3 Global Surface-emitting Semiconductor Laser Sales Volume Share by Type (2021-2032)
- 4.3 Global Surface-emitting Semiconductor Laser Sales Value by Type
 - 4.3.1 Global Surface-emitting Semiconductor Laser Sales Value by Type (2021 VS 2025 VS 2032)
 - 4.3.2 Global Surface-emitting Semiconductor Laser Sales Value by Type (2021-2032)
 - 4.3.3 Global Surface-emitting Semiconductor Laser Sales Value Share by Type (2021-2032)

5 Surface-emitting Semiconductor Laser Market by Application

- 5.1 Surface-emitting Semiconductor Laser Application Introduction
 - 5.1.1 Optical Communication

5.1.2	Optical Storage
5.1.3	Optical Information Processing
5.2	Global Surface-emitting Semiconductor Laser Sales Volume by Application
5.2.1	Global Surface-emitting Semiconductor Laser Sales Volume by Application (2021 VS 2025 VS 2032)
5.2.2	Global Surface-emitting Semiconductor Laser Sales Volume by Application (2021-2032)
5.2.3	Global Surface-emitting Semiconductor Laser Sales Volume Share by Application (2021-2032)
5.3	Global Surface-emitting Semiconductor Laser Sales Value by Application
5.3.1	Global Surface-emitting Semiconductor Laser Sales Value by Application (2021 VS 2025 VS 2032)
5.3.2	Global Surface-emitting Semiconductor Laser Sales Value by Application (2021-2032)
5.3.3	Global Surface-emitting Semiconductor Laser Sales Value Share by Application (2021-2032)

6 Surface-emitting Semiconductor Laser Regional Sales and Value Analysis

6.1	Global Surface-emitting Semiconductor Laser Sales by Region: 2021 VS 2025 VS 2032
6.2	Global Surface-emitting Semiconductor Laser Sales by Region (2021-2032)
6.2.1	Global Surface-emitting Semiconductor Laser Sales by Region: 2021-2026
6.2.2	Global Surface-emitting Semiconductor Laser Sales by Region (2027-2032)
6.3	Global Surface-emitting Semiconductor Laser Sales Value by Region: 2021 VS 2025 VS 2032
6.4	Global Surface-emitting Semiconductor Laser Sales Value by Region (2021-2032)
6.4.1	Global Surface-emitting Semiconductor Laser Sales Value by Region: 2021-2026
6.4.2	Global Surface-emitting Semiconductor Laser Sales Value by Region (2027-2032)
6.5	Global Surface-emitting Semiconductor Laser Market Price Analysis by Region (2021-2026)
6.6	North America
6.6.1	North America Surface-emitting Semiconductor Laser Sales Value (2021-2032)
6.6.2	North America Surface-emitting Semiconductor Laser Sales Value Share by Country, 2025 VS 2032
6.7	Europe
6.7.1	Europe Surface-emitting Semiconductor Laser Sales Value (2021-2032)
6.7.2	Europe Surface-emitting Semiconductor Laser Sales Value Share by Country, 2025 VS 2032
6.8	Asia-Pacific
6.8.1	Asia-Pacific Surface-emitting Semiconductor Laser Sales Value (2021-2032)
6.8.2	Asia-Pacific Surface-emitting Semiconductor Laser Sales Value Share by Country, 2025 VS 2032
6.9	South America
6.9.1	South America Surface-emitting Semiconductor Laser Sales Value (2021-2032)
6.9.2	South America Surface-emitting Semiconductor Laser Sales Value Share by Country, 2025 VS 2032
6.10	Middle East & Africa
6.10.1	Middle East & Africa Surface-emitting Semiconductor Laser Sales Value (2021-2032)
6.10.2	Middle East & Africa Surface-emitting Semiconductor Laser Sales Value Share by Country, 2025 VS 2032

7 Surface-emitting Semiconductor Laser Country-level Sales and Value Analysis

7.1	Global Surface-emitting Semiconductor Laser Sales by Country: 2021 VS 2025 VS 2032
7.2	Global Surface-emitting Semiconductor Laser Sales Value by Country: 2021 VS 2025 VS 2032
7.3	Global Surface-emitting Semiconductor Laser Sales by Country (2021-2032)
7.3.1	Global Surface-emitting Semiconductor Laser Sales by Country (2021-2026)
7.3.2	Global Surface-emitting Semiconductor Laser Sales by Country (2027-2032)
7.4	Global Surface-emitting Semiconductor Laser Sales Value by Country (2021-2032)
7.4.1	Global Surface-emitting Semiconductor Laser Sales Value by Country (2021-2026)
7.4.2	Global Surface-emitting Semiconductor Laser Sales Value by Country (2027-2032)
7.5	USA
7.5.1	USA Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
7.5.2	USA Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

- 7.5.3 USA Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.6 Canada
 - 7.6.1 Canada Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.6.2 Canada Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.6.3 Canada Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.7 Mexico
 - 7.6.1 Mexico Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.6.2 Mexico Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.6.3 Mexico Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.8 Germany
 - 7.8.1 Germany Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.8.2 Germany Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.8.3 Germany Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.9 France
 - 7.9.1 France Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.9.2 France Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.9.3 France Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.10 U.K.
 - 7.10.1 U.K. Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.10.2 U.K. Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.10.3 U.K. Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.11 Italy
 - 7.11.1 Italy Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.11.2 Italy Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.11.3 Italy Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.12 Spain
 - 7.12.1 Spain Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.12.2 Spain Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.12.3 Spain Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.13 Russia
 - 7.13.1 Russia Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.13.2 Russia Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.13.3 Russia Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.14 Netherlands
 - 7.14.1 Netherlands Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.14.2 Netherlands Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.14.3 Netherlands Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.15 Nordic Countries
 - 7.15.1 Nordic Countries Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.15.2 Nordic Countries Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.15.3 Nordic Countries Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.16 China
 - 7.16.1 China Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.16.2 China Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032
 - 7.16.3 China Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032
- 7.17 Japan
 - 7.17.1 Japan Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)
 - 7.17.2 Japan Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.17.3 Japan Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.18 South Korea

7.18.1 South Korea Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.18.2 South Korea Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.18.3 South Korea Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.19 India

7.19.1 India Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.19.2 India Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.19.3 India Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.20 Australia

7.20.1 Australia Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.20.2 Australia Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.20.3 Australia Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.21 Southeast Asia

7.21.1 Southeast Asia Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.21.2 Southeast Asia Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.21.3 Southeast Asia Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.22 Brazil

7.22.1 Brazil Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.22.2 Brazil Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.22.3 Brazil Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.23 Argentina

7.23.1 Argentina Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.23.2 Argentina Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.23.3 Argentina Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.24 Chile

7.24.1 Chile Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.24.2 Chile Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.24.3 Chile Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.25 Colombia

7.25.1 Colombia Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.25.2 Colombia Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.25.3 Colombia Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.26 Peru

7.26.1 Peru Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.26.2 Peru Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.26.3 Peru Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.27 Saudi Arabia

7.27.1 Saudi Arabia Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.27.2 Saudi Arabia Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.27.3 Saudi Arabia Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.28 Israel

7.28.1 Israel Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.28.2 Israel Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.28.3 Israel Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.29 UAE

7.29.1 UAE Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.29.2 UAE Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.29.3 UAE Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.30 Turkey

7.30.1 Turkey Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.30.2 Turkey Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.30.3 Turkey Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.31 Iran

7.31.1 Iran Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.31.2 Iran Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.31.3 Iran Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

7.32 Egypt

7.32.1 Egypt Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032)

7.32.2 Egypt Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032

7.32.3 Egypt Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032

8 Company Profiles

8.1 Finisar

8.1.1 Finisar Company Information

8.1.2 Finisar Business Overview

8.1.3 Finisar Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.1.4 Finisar Surface-emitting Semiconductor Laser Product Portfolio

8.1.5 Finisar Recent Developments

8.2 Vixar

8.2.1 Vixar Company Information

8.2.2 Vixar Business Overview

8.2.3 Vixar Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.2.4 Vixar Surface-emitting Semiconductor Laser Product Portfolio

8.2.5 Vixar Recent Developments

8.3 Avago Technologies

8.3.1 Avago Technologies Company Information

8.3.2 Avago Technologies Business Overview

8.3.3 Avago Technologies Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.3.4 Avago Technologies Surface-emitting Semiconductor Laser Product Portfolio

8.3.5 Avago Technologies Recent Developments

8.4 JDS Uniphase

8.4.1 JDS Uniphase Company Information

8.4.2 JDS Uniphase Business Overview

8.4.3 JDS Uniphase Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.4.4 JDS Uniphase Surface-emitting Semiconductor Laser Product Portfolio

8.4.5 JDS Uniphase Recent Developments

8.5 Philips

8.5.1 Philips Company Information

8.5.2 Philips Business Overview

8.5.3 Philips Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.5.4 Philips Surface-emitting Semiconductor Laser Product Portfolio

8.5.5 Philips Recent Developments

8.6 ams

8.6.1 ams Company Information

8.6.2 ams Business Overview

8.6.3 ams Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.6.4 ams Surface-emitting Semiconductor Laser Product Portfolio

8.6.5 ams Recent Developments

8.7 II-VI Incorporated

8.7.1 II-VI Incorporated Company Information

8.7.2 II-VI Incorporated Business Overview

8.7.3 II-VI Incorporated Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.7.4 II-VI Incorporated Surface-emitting Semiconductor Laser Product Portfolio

8.7.5 II-VI Incorporated Recent Developments

8.8 Ace Photonics

8.8.1 Ace Photonics Company Information

8.8.2 Ace Photonics Business Overview

8.8.3 Ace Photonics Surface-emitting Semiconductor Laser Sales, Value and Gross Margin (2021-2026)

8.8.4 Ace Photonics Surface-emitting Semiconductor Laser Product Portfolio

8.8.5 Ace Photonics Recent Developments

9 Value Chain and Sales Channels Analysis

9.1 Surface-emitting Semiconductor Laser Value Chain Analysis

9.1.1 Surface-emitting Semiconductor Laser Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Surface-emitting Semiconductor Laser Sales Mode & Process

9.2 Surface-emitting Semiconductor Laser Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Surface-emitting Semiconductor Laser Distributors

9.2.3 Surface-emitting Semiconductor Laser Customers

10 Concluding Insights

11 Appendix

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

List of Tables and Figures

List of Tables:

- Table 1: Surface-emitting Semiconductor Laser Industry Trends
- Table 2: Surface-emitting Semiconductor Laser Industry Drivers
- Table 3: Surface-emitting Semiconductor Laser Industry Opportunities and Challenges
- Table 4: Surface-emitting Semiconductor Laser Industry Restraints
- Table 5: Global Surface-emitting Semiconductor Laser Revenue by Company (US\$ Million) & (2021-2026)
- Table 6: Global Surface-emitting Semiconductor Laser Revenue Share by Company (2021-2026)
- Table 7: Global Surface-emitting Semiconductor Laser Sales Volume by Company (Unit) & (2021-2026)
- Table 8: Global Surface-emitting Semiconductor Laser Sales Volume Share by Company (2021-2026)
- Table 9: Global Surface-emitting Semiconductor Laser Average Price (USD/unit) of Company (2021-2026)
- Table 10: Global Surface-emitting Semiconductor Laser Company Ranking, (2024-2026) & (USD Million)
- Table 11: Global Surface-emitting Semiconductor Laser Key Company Manufacturing Base & Headquarters
- Table 12: Global Surface-emitting Semiconductor Laser Company, Product Type & Application
- Table 13: Global Surface-emitting Semiconductor Laser Company Establishment Date
- Table 14: Global Company Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Surface-emitting Semiconductor Laser by Company Type (Tier 1, Tier 2, and Tier 3) & (Based on Revenue of 2025)
- Table 16: Mergers & Acquisitions, Expansion
- Table 17: Significant Companies of VCSEL
- Table 18: Significant Companies of RCSEL
- Table 19: Global Surface-emitting Semiconductor Laser Sales Volume by Type 2021 VS 2025 VS 2032 (Unit)
- Table 20: Global Surface-emitting Semiconductor Laser Sales Volume by Type (2021-2026) & (Unit)
- Table 21: Global Surface-emitting Semiconductor Laser Sales Volume by Type (2027-2032) & (Unit)
- Table 22: Global Surface-emitting Semiconductor Laser Sales Volume Share by Type (2021-2026)
- Table 23: Global Surface-emitting Semiconductor Laser Sales Volume Share by Type (2027-2032)
- Table 24: Global Surface-emitting Semiconductor Laser Sales Value by Type 2021 VS 2025 VS 2032 (US\$ Million)
- Table 25: Global Surface-emitting Semiconductor Laser Sales Value by Type (2021-2026) & (US\$ Million)
- Table 26: Global Surface-emitting Semiconductor Laser Sales Value by Type (2027-2032) & (US\$ Million)
- Table 27: Global Surface-emitting Semiconductor Laser Sales Value Share by Type (2021-2026)
- Table 28: Global Surface-emitting Semiconductor Laser Sales Value Share by Type (2027-2032)
- Table 29: Significant Companies of Optical Communication
- Table 30: Significant Companies of Optical Storage
- Table 31: Significant Companies of Optical Information Processing
- Table 32: Global Surface-emitting Semiconductor Laser Sales Volume by Application 2021 VS 2025 VS 2032 (Unit)
- Table 33: Global Surface-emitting Semiconductor Laser Sales Volume by Application (2021-2026) & (Unit)
- Table 34: Global Surface-emitting Semiconductor Laser Sales Volume by Application (2027-2032) & (Unit)
- Table 35: Global Surface-emitting Semiconductor Laser Sales Volume Share by Application (2021-2026)
- Table 36: Global Surface-emitting Semiconductor Laser Sales Volume Share by Application (2027-2032)
- Table 37: Global Surface-emitting Semiconductor Laser Sales Value by Application 2021 VS 2025 VS 2032 (US\$ Million)
- Table 38: Global Surface-emitting Semiconductor Laser Sales Value by Application (2021-2026) & (US\$ Million)
- Table 39: Global Surface-emitting Semiconductor Laser Sales Value by Application (2027-2032) & (US\$ Million)
- Table 40: Global Surface-emitting Semiconductor Laser Sales Value Share by Application (2021-2026)
- Table 41: Global Surface-emitting Semiconductor Laser Sales Value Share by Application (2027-2032)
- Table 42: Global Surface-emitting Semiconductor Laser Sales by Region: 2021 VS 2025 VS 2032 (Unit)
- Table 43: Global Surface-emitting Semiconductor Laser Sales by Region (2021-2026) & (Unit)
- Table 44: Global Surface-emitting Semiconductor Laser Sales Market Share by Region (2021-2026)
- Table 45: Global Surface-emitting Semiconductor Laser Sales by Region (2027-2032) & (Unit)
- Table 46: Global Surface-emitting Semiconductor Laser Sales Market Share by Region (2027-2032)
- Table 47: Global Surface-emitting Semiconductor Laser Sales Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 48: Global Surface-emitting Semiconductor Laser Sales Value by Region (2021-2026) & (US\$ Million)
- Table 49: Global Surface-emitting Semiconductor Laser Sales Value Share by Region (2021-2026)
- Table 50: Global Surface-emitting Semiconductor Laser Sales Value by Region (2027-2032) & (US\$ Million)
- Table 51: Global Surface-emitting Semiconductor Laser Sales Value Share by Region (2027-2032)
- Table 52: Global Surface-emitting Semiconductor Laser Market Average Price (USD/unit) by Region (2021-2026)
- Table 53: Global Surface-emitting Semiconductor Laser Market Average Price (USD/unit) by Region (2027-2032)

- Table 54: Global Surface-emitting Semiconductor Laser Sales by Country: 2021 VS 2025 VS 2032 (Unit)
- Table 55: Global Surface-emitting Semiconductor Laser Sales Value by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 56: Global Surface-emitting Semiconductor Laser Sales by Country (2021-2026) & (Unit)
- Table 57: Global Surface-emitting Semiconductor Laser Sales Market Share by Country (2021-2026)
- Table 58: Global Surface-emitting Semiconductor Laser Sales by Country (2027-2032) & (Unit)
- Table 59: Global Surface-emitting Semiconductor Laser Sales Market Share by Country (2027-2032)
- Table 60: Global Surface-emitting Semiconductor Laser Sales Value by Country (2021-2026) & (US\$ Million)
- Table 61: Global Surface-emitting Semiconductor Laser Sales Value Market Share by Country (2021-2026)
- Table 62: Global Surface-emitting Semiconductor Laser Sales Value by Country (2027-2032) & (US\$ Million)
- Table 63: Global Surface-emitting Semiconductor Laser Sales Value Market Share by Country (2027-2032)
- Table 64: Finisar Company Information
- Table 65: Finisar Business Overview
- Table 66: Finisar Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 67: Finisar Surface-emitting Semiconductor Laser Product Portfolio
- Table 68: Finisar Recent Development
- Table 69: Vixar Company Information
- Table 70: Vixar Business Overview
- Table 71: Vixar Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 72: Vixar Surface-emitting Semiconductor Laser Product Portfolio
- Table 73: Vixar Recent Development
- Table 74: Avago Technologies Company Information
- Table 75: Avago Technologies Business Overview
- Table 76: Avago Technologies Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 77: Avago Technologies Surface-emitting Semiconductor Laser Product Portfolio
- Table 78: Avago Technologies Recent Development
- Table 79: JDS Uniphase Company Information
- Table 80: JDS Uniphase Business Overview
- Table 81: JDS Uniphase Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 82: JDS Uniphase Surface-emitting Semiconductor Laser Product Portfolio
- Table 83: JDS Uniphase Recent Development
- Table 84: Philips Company Information
- Table 85: Philips Business Overview
- Table 86: Philips Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 87: Philips Surface-emitting Semiconductor Laser Product Portfolio
- Table 88: Philips Recent Development
- Table 89: ams Company Information
- Table 90: ams Business Overview
- Table 91: ams Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 92: ams Surface-emitting Semiconductor Laser Product Portfolio
- Table 93: ams Recent Development
- Table 94: II-VI Incorporated Company Information
- Table 95: II-VI Incorporated Business Overview
- Table 96: II-VI Incorporated Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 97: II-VI Incorporated Surface-emitting Semiconductor Laser Product Portfolio
- Table 98: II-VI Incorporated Recent Development
- Table 99: Ace Photonics Company Information
- Table 100: Ace Photonics Business Overview
- Table 101: Ace Photonics Surface-emitting Semiconductor Laser Sales (Unit), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 102: Ace Photonics Surface-emitting Semiconductor Laser Product Portfolio
- Table 103: Ace Photonics Recent Development
- Table 104: Key Raw Materials
- Table 105: Raw Materials Key Suppliers
- Table 106: Surface-emitting Semiconductor Laser Distributors List
- Table 107: Surface-emitting Semiconductor Laser Customers List
- Table 108: Research Programs/Design for This Report
- Table 109: Authors List of This Report
- Table 110: Secondary Sources

- Table 111: Primary Sources

List of Figures:

- Figure 1: Surface-emitting Semiconductor Laser Product Image
- Figure 2: Global Surface-emitting Semiconductor Laser Sales Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 4: Global Surface-emitting Semiconductor Laser Sales (2021-2032) & (Unit)
- Figure 5: Global Surface-emitting Semiconductor Laser Sales Average Price (USD/unit) & (2021-2032)
- Figure 6: Global Surface-emitting Semiconductor Laser Company Revenue Ranking in 2025 (US\$ Million)
- Figure 7: Global Top 5 and 10 Company Market Share by Revenue in 2025 (US\$ Million)
- Figure 8: Company Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 9: VCSEL Image
- Figure 10: RCSEL Image
- Figure 11: Global Surface-emitting Semiconductor Laser Sales Volume by Type (2021 VS 2025 VS 2032) & (Unit)
- Figure 12: Global Surface-emitting Semiconductor Laser Sales Volume Share 2021 VS 2025 VS 2032
- Figure 13: Global Surface-emitting Semiconductor Laser Sales Volume Share by Type (2021-2032)
- Figure 14: Global Surface-emitting Semiconductor Laser Sales Value by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 15: Global Surface-emitting Semiconductor Laser Sales Value Share 2021 VS 2025 VS 2032
- Figure 16: Global Surface-emitting Semiconductor Laser Sales Value Share by Type (2021-2032)
- Figure 17: Optical Communication Image
- Figure 18: Optical Storage Image
- Figure 19: Optical Information Processing Image
- Figure 20: Global Surface-emitting Semiconductor Laser Sales Volume by Application (2021 VS 2025 VS 2032) & (Unit)
- Figure 21: Global Surface-emitting Semiconductor Laser Sales Volume Share 2021 VS 2025 VS 2032
- Figure 22: Global Surface-emitting Semiconductor Laser Sales Volume Share by Application (2021-2032)
- Figure 23: Global Surface-emitting Semiconductor Laser Sales Value by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 24: Global Surface-emitting Semiconductor Laser Sales Value Share 2021 VS 2025 VS 2032
- Figure 25: Global Surface-emitting Semiconductor Laser Sales Value Share by Application (2021-2032)
- Figure 26: Global Surface-emitting Semiconductor Laser Sales by Region: 2021 VS 2025 VS 2032 (Unit)
- Figure 27: Global Surface-emitting Semiconductor Laser Sales Market Share by Region: 2021 VS 2025 VS 2032
- Figure 28: Global Surface-emitting Semiconductor Laser Sales Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 29: Global Surface-emitting Semiconductor Laser Sales Value Share by Region: 2021 VS 2025 VS 2032
- Figure 30: North America Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 31: North America Surface-emitting Semiconductor Laser Sales Value Share by Country (%), 2025 VS 2032
- Figure 32: Europe Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 33: Europe Surface-emitting Semiconductor Laser Sales Value Share by Country (%), 2025 VS 2032
- Figure 34: Asia-Pacific Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 35: Asia-Pacific Surface-emitting Semiconductor Laser Sales Value Share by Country (%), 2025 VS 2032
- Figure 36: South America Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 37: South America Surface-emitting Semiconductor Laser Sales Value Share by Country (%), 2025 VS 2032
- Figure 38: Middle East & Africa Surface-emitting Semiconductor Laser Sales Value (2021-2032) & (US\$ Million)
- Figure 39: Middle East & Africa Surface-emitting Semiconductor Laser Sales Value Share by Country (%), 2025 VS 2032
- Figure 40: USA Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 41: USA Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 42: USA Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 43: Canada Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 44: Canada Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 45: Canada Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 46: Mexico Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 47: Mexico Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 48: Mexico Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 49: Germany Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 50: Germany Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 51: Germany Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 52: France Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 53: France Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 54: France Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 55: U.K. Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 56: U.K. Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)
- Figure 57: U.K. Surface-emitting Semiconductor Laser Sales Value Share by Application, 2025 VS 2032 & (%)
- Figure 58: Italy Surface-emitting Semiconductor Laser Sales Value Growth Rate (2021-2032) & (US\$ Million)
- Figure 59: Italy Surface-emitting Semiconductor Laser Sales Value Share by Type, 2025 VS 2032 & (%)

- [illegible]

- Figure 125: Manufacturing Cost Structure
- Figure 126: Surface-emitting Semiconductor Laser Sales Mode & Process
- Figure 127: Direct Comparison with Distribution Share
- Figure 128: Distributors Profiles
- Figure 129: Years Considered
- Figure 130: Research Process
- Figure 131: Key Executives Interviewed