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Vertical Cavity Surface Emitting Laser (VCSELs) - Global Market Outlook (2017-2023)

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Abstracts

According to Stratistics MRC, the Global Vertical Cavity Surface Emitting Laser (VCSELs) market is expected to grow from $950.77 million in 2016 to reach $4148.61 million by 2023 with a CAGR of 23.4%. Factors such as increasing adoption of VCSEL in data centers and increasing demand from automotive electronics are driving the market growth. However, technological limitations are hampering the market. Rising demand for VCSELs in consumer electronics is one of the major opportunities for market growth.

Based on raw material, Gallium Arsenide (GAAS) is generally utilized as a part of semiconductor equipments, factors such as infrared emitting diodes, monolithic microwave ICs, microwave frequency ICs, solar cells, optical windows and laser diodes. It is progressively utilized as a trade for silicon wafer because of its electronic properties.

Asia Pacific is estimated to be the fastest growing region during the forecast period due to rising demand for computers and communication devices in developing APAC countries.

Some of the key players in Vertical Cavity Surface Emitting Laser (VCSELs) market include Alight Technologies A/S, Avago Technologies Ltd., Broadcom Limited, Coherent, Inc, Finisar Corporation, II-VI Incorporated, IQE PLC, JDS Uniphase Corporation, Litrax Technology Co., Ltd., Logitech International Sa, Lumentum Holdings, Inc., Newport Corporation, Panasonic Corp., Princeton Optronics, Inc. and Royal Philips Electronics N.V.

Applications Covered:

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Analog broadband signal transmission

Laser printers

Biological tissue analysis

Optical fiber data transmission

Absorption Spectroscopy

Computer mouse

Chip scale atomic clocks

Other Applications

Raw Materials Covered:

Gallium Arsenide (GaAs)

Gallium Nitride (GaN)

Indium Phosphide (InP)

Other Raw Materials

Colors Covered:

Green

Infrared

Blue-Violet

Red

Other Colors

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End Users Covered:

- Consumer Electronics
- Automotive
- Industrial
- Data Centers
- Healthcare
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - U.K
  - Italy
  - France
  - Spain

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- Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

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What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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Note: Tables for North America, Europe, APAC, South America and Middle East & Africa Regions are also represented in the same manner as above

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