Finnish OEM Vertical Cavity Surface Emitting Laser SFP

Overview

The semiconductor-based Vertical-External-Cavity Surface-Emitting Laser (VECSEL) technology from Vexlum solves a major problem in high-tech industries: the absence of small, affordable, high-power laser sources at specific wavelengths. TAMPERE, Finland (February 5, 2026) Vexlum, a manufacturer of advanced semiconductor lasers for high-impact applications, has announced it has secured EUR 10 million in funding to scale its proprietary semiconductor chip manufacturing and laser technology operations in Finland. Originating as a spin-off from the Optoelectronics Research Centre at Tampere University of Technology in Finland, the company brings deep expertise in epitaxy, optoelectronic. As a dedicated VCSEL (Vertical-Cavity Surface-Emitting Laser) manufacturer, Ace Photonics Co. focuses on high-performance semiconductor lasers in the 750–1550 nm range, serving industrial, quantum and R&D applications. Vexlum claims that this funding is set to be.

Article Content

Finnish Semiconductor Manufacturer Vexlum Secures €10M to

The semiconductor-based Vertical-External-Cavity Surface-Emitting Laser (VECSEL) technology from Vexlum solves a

What are Vertical-Cavity Surface-Emitting Lasers (VCSEL)?

Vertical-Cavity Surface-Emitting Lasers (VCSELs) are a class of semiconductor lasers designed with a unique

Vertical-cavity surface-emitting laser

The vertical-cavity surface-emitting laser (VCSEL / 'vɪksəl /) is a type of semiconductor laser diode with laser beam emission

Vertical-cavity surface-emitting lasers – CNQO

VCSELs are a type of semiconductor lasers with the beam emission perpendicular to the top surface (see Figure 4), contrary to

Finnish laser maker Vexlum secures €10M in largest Nordic photonics ...

Vexlum, a Tampere-based manufacturer of semiconductor lasers, has raised €10 million to scale its chip manufacturing and laser

Modeling and simulation of vertical-cavity surface-emitting lasers

Task Vertical-cavity surface-emitting lasers (VCSELs) constitute an increasingly important alternative to edge-emitting laser diodes.

Vertical Cavity Surface-emitting Lasers – Buyer''s Guide & Suppliers

This buyer''s guide for vertical cavity surface-emitting lasers provides technical background, comparison of major types, selection

Surface-emitting Semiconductor Lasers

VCSELs (vertical cavity surface-emitting lasers): These are typically monolithic, electrically pumped devices. They are extremely

Vertical-external-cavity surface-emitting-laser

A vertical-external-cavity surface-emitting-laser (VECSEL) is a small semiconductor laser similar to a vertical-cavity surface-emitting

vcsel Manufacturers – BeamQ Laser

8. rohm vcsel Vertical Cavity Surface Emitting Laser (VCSEL) is characterized by laser beam emission perpendicular to the top

Vexlum raises €10 million to scale semiconductor and laser

Vexlum''s semiconductor-based Vertical-External-Cavity Surface-Emitting Laser (VECSEL) technology addresses a

Vertical Cavity Surface Emitting Lasers (VCSELs):

Vertical Cavity Surface Emitting Lasers (VCSELs) are a key technology towards such a parallel optical interconnects solution .

Surface Emitting Laser Manufacturing

Discover how Ace Photonics manufactures high-performance Surface emitting laser devices, from GaAs epitaxy and ICP etching to

Technology

Vertical-External-Cavity Surface-Emitting Lasers (also known as Semiconductor Disk Lasers or Optically

Surface Emitting Laser

Surface emitting lasers refer to a type of diode laser, specifically vertical cavity surface emitting lasers (VCSELs), where light is

VCSEL Market

The Vertical Cavity Surface Emitting Laser Market worth USD 2.94 billion in 2026 is growing at a CAGR of 18.64% to

Vertical-cavity surface emitting lasers (VCSEL)

The ams OSRAM VCSEL (Vertical-cavity surface-emitting laser) technology includes the epitaxial structure and chip design, epitaxial

Vertical Cavity Surface Emitting Laser (VCSEL) Array Technology

Proprietary Vertical-Cavity, Surface-Emitting Laser (VCSEL) technology Improved eye-safety from VCSELs over conventional laser

Vexlum raises €10 million to scale semiconductor laser manufacturing ...

Founded in 2017, Vexlum is a DeepTech company specialising in high-power semiconductor laser systems based on

What Is VCSEL Laser

What Is VCSEL Laser? A VCSEL (Vertical-Cavity Surface-Emitting Laser) is a semiconductor laser that emits light perpendicular to

Vertical-cavity surface-emitting laser

Contrary to the conventional Fabry-Perot edge-emitting semiconductor lasers, his invention comprises a short laser cavity less than

Vexlum raises EUR 10 million to scale semiconductor and laser ...

Vexlum is a deep-tech company specializing in high-power semiconductor laser systems based on its proprietary

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Vertical Cavity Surface Emitting Lasers

FLC offers vertical cavity surface emitting laser diodes (VCSEL) with wavelengths between 760nm to 980nm. Please contact

Vertical Cavity Surface-emitting Lasers

Vertical cavity surface-emitting lasers (VCSELs) are a monolithic kind of semiconductor lasers with beam emission perpendicular to

Vexlum | Vertical External Cavity Surface Emitting Lasers (VECSELs ...

Originating as a spin-off from the Optoelectronics Research Centre at Tampere University of Technology in Finland, the company

Contact Us

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