

## Laser Diode Acquisition



### Overview

Trumpf is acquiring 100 per cent of Photonics GmbH from Philips, headquartered in Ulm, Germany. The move, which represents Trumpf's largest acquisition since buying JFY in China in 2013, opens up a new market segment for Trumpf to complement its existing high-power diode laser. We are proud to announce the acquisition of Diode Laser Concepts Inc. a designer and manufacturer of custom, turnkey laser modules and systems. This marks the second strategic acquisition by Pacific Lasertec, and the first under the sponsorship of Pfingsten Partners., has acquired Diode Laser Concepts Inc. Laser. Laser Diode by Application (Optical Storage & Display, Telecom & Communication, Industrial Applications, Medical Application, Other), by Types (Blue Laser Diode, Red Laser Diode, Infrared Laser Diode, Other Laser Diode), by North America (United States, Canada, Mexico), by South America (Brazil. GOLETA, Calif.



## Article Content

Trumpf acquires laser diode division of Philips

Trumpf acquires laser diode division of Philips Trumpf is acquiring 100 per cent of Photonics GmbH from Philips, headquartered in Ulm, Germany. The move, which Heterodyne acquisition and tracking in a free-space diode laser link

A laboratory model of an optical intersatellite link employing InGaAs DFB semiconductor lasers operating at a wavelength of 1.55 micron was designed and realized. Heterodyne sensing was

A Reconfigurable Parallel Data Acquisition System for Tunable Diode ...

The design of the data acquisition instrument directly affects the temporal resolution of laser absorption spectroscopy (LAS) tomographic system. In this paper, a parallel data acquisition

Pigtailed Laser Diode Market Size, Trends, 2026-2033 ...

The Pigtailed Laser Diode Market report offers a comprehensive, data-driven analysis of the evolving landscape of laser diode technology, emphasizing the critical role of pigtailed

Laser Diodes and Pump Modules

Discover the industry-leading reliability and performance of TRUMPF's laser diode pump modules. We offer a flexible portfolio of high-power modules with both bar

Slide Title

Signals from each channel amplified and conditioned in a 35-channel amplifier breakout box 40-channel data acquisition system with updated graphical user interface DAQ operation verified against

Laser Diode Basics | Springer Nature Link

The basic optical, electrical, and mechanical characteristics and the working principles of laser diodes are summarized. Vendors and distributors for laser diodes, laser diode modules, and

CriticalPoint Advises Pacific Lasertec, a Portfolio Company of ...

CriticalPoint advised Pacific Lasertec, a Pfingsten portfolio company, on its acquisition of Diode Laser Concepts, expanding its specialty laser platform.

Low-cost laser scanning photoacoustic microscopy system with a

We present a low-cost laser scanning photoacoustic microscopy system with a pulsed laser diode as the excitation source. The system utilizes a 905 nm pulsed laser diode with 120 ns

Laser Diodes - semiconductor, gain, index guiding, high

Laser diodes are semiconductor lasers with a current-carrying p-n junction as the gain medium. They are the most important type of electrically pumped lasers.

Laser diode

While initial diode laser research was conducted on simple P-N diodes, all modern lasers use the double-hetero-structure implementation, where the carriers and the

An Introduction to Laser Diodes

An Introduction to Laser Diodes Learn about the laser diode, including package types, applications, drive circuitry, and some laser diode specifications.

Laser Diode 2026-2034 Overview: Trends, Competitor

The laser diode market is booming, projected to reach over \$30 billion by 2033, driven by data center expansion, automotive LiDAR, and medical

Pfingsten Completes First Acquisition for Photonics

Pfingsten announces its portfolio company, PLT Holdings, L.P., has acquired Diode Laser Concepts Inc. ("DLC"), a designer and manufacturer of

Laser Diode: How it Works and Its Applications

What is a Laser Diode? A Laser Diode is a special type of semiconductor diode that produces coherent light (laser light) when current passes through it. Unlike normal LEDs, a laser diode emits a ...

Laser Diode

A laser diode (LD) is defined as a forward-biased semiconductor diode that emits coherent light when an electrical current stimulates recombination of electrons and holes at the p-n junction. It consists of

A flexibly reconfigurable data acquisition system for tunable diode ...

In the tunable diode laser absorption spectroscopy, the intensity profile over an absorption spectrum is captured to extract the temperature and gas concentration of the target species. A real-time spectral

Kyocera completes acquisition of SLD Laser

Kyocera completes acquisition of SLD Laser Kyocera Corp of Kyoto, Japan (which manufactures fine ceramic components) has completed its acquisition of SLD Laser of Goleta, near

Diode Lasers: Definition, How They Work, Types,

What Is the Importance of a Diode Laser? Diode lasers are valued because of the following: They are compact for their power levels. This makes

## Laser Diode Market Size and Outlook Report 2026 to 2035

Laser Diode Market Overview • Laser Diode market size has reached to \$9.37 billion in 2025 • Expected to grow to \$15.47 billion in 2030 at a compound annual growth

Pacific Lasertec Acquires Diode Laser Concepts Inc.

We are proud to announce the acquisition of Diode Laser Concepts Inc. a designer and manufacturer of custom, turnkey laser modules and systems. This marks the second strategic acquisition by ...

### Laser Diode

A laser diode is a small semiconductor gadget that produces strong and precise light emissions through a cycle called stimulated emission. These

A flexibly reconfigurable data acquisition system for tunable diode ...

A real-time spectral scanning yields a quick response of the temperature and gas concentration measurement but requires a high-speed data acquisition system. In this work, a reconfigurable data

### Designing an Automatic Frequency Stabilization System for an

To obtain a frequency-stabilized 780 nm laser beam, an automatic frequency stabilization system for an external cavity diode laser (ECDL) based on rubidium (Rb) atomic

### SLD Laser | KYOCERA Completes Acquisition of SLD Laser

SLD Laser, a world leader in commercialization of gallium nitride (GaN) based laser light sources, has announced the completion of the acquisition by KYOCERA Corporation of 100%

### KYOCERA Completes Acquisition of California-Based SLD Laser

Kyocera Corporation (President: Hideo Tanimoto, hereinafter “Kyocera”) today announced that it has completed its 100% acquisition of California-based SLD Laser (Soraa Laser

### Designing an Automatic Frequency Stabilization System

Designing an Automatic Frequency Stabilization System for an External Cavity Diode Laser Using a Data Acquisition Card in the LabVIEW Platform

A simple, powerful diode laser system for atomic physics

The atomic or molecular species and transition of interest determines the choice of components, particularly the laser diode and grat-ing, however a wide range of wavelengths are

## Contact Us

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