

Italian laser diode models



Article Overview

Italy offers a wide range of laser diode models spanning wavelengths from 445 nm to 1650 nm, including fiber-coupled, tunable, and multi-emitter designs for scientific, industrial, and medical applications.

Key Italian Laser Diode Manufacturers and Models

1. Aerodiode (via Laser Optronic)

- Offers fiber-coupled diode lasers at 808 nm, 976 nm, 1550 nm, and 1650 nm.
- Supports CW and pulsed operation, with nanosecond pulse capabilities up to 600 mW (808 nm) and 500 mW (1550 nm).
- Multimode fiber versions can deliver up to 100 W in CW or pulsed modes.
- Applications include Yb3+ or Er3+ pumping, LIDAR, 3D sensing, and fiber testing .

2. LEOS Solutions

- Specializes in tunable diode lasers with spectral coverage from 630 nm to 1400 nm.
- Uses interference-filter and cateye configurations for high spectral purity and stability.

3. BrightSolutions (BDL and BFP series)

- BDL modules: diode arrays, BFP modules: multi-single emitter design.
- Configurable for a wide range of wavelengths and power levels, operating in CW or pulsed modes.

Article Content

Top 100 Laser Manufacturing Companies in Italy (2026) | ensun

Key takeaway Tecnolaser, established in 1986, is a pioneering company in the northeast that has consistently invested in laser

Generation Laser

Generation Laser is a laser equipment manufacturer composed of experienced technicians and top European salesmen. By

Gan Laser Diode Market in Italy | Report

Key Challenges Lead-time volatility for specialty GaN laser diodes persists, with delivery windows for non-stock

Single Mode Laser Diode Market in Italy | Report

The Italian Single Mode Laser Diode market represents a concentrated demand node within the European photonics

The latest products for diode lasers in 2024 | Electro Optics

The ability of diode lasers to convert electrical energy directly into laser light has led them to become an increasingly popular choice

Laserwave

LASERWAVE manufacturer of high power diode laser systems for medical and industrial applications.

BDL, BFP, MDL – Diode laser modules – BrightSolutions

BDL and BFP / MDL diode laser modules are based on diode arrays and multi-single emitter design

Laser Diode Manufacturers

The leading Laser Diode Manufacturers in Italy are listed in this directory. You can narrow down the list of manufacturers based on

Homepage

Laser Optronic è un'Azienda storica italiana fondata nel 1975, specializzata nella fornitura di sorgenti laser,

48 Laser Diode Manufacturers in 2026

48 Laser Diode Manufacturers in 2026 This section provides an overview for laser diodes as well as their applications and principles.

Italy Laser Diode Market (2025-2031) | Trends, Outlook & Forecast

The Italy Laser Diode Market is influenced by the expanding use of laser diodes in various applications, including

Made in Italy laser cutting technological innovation

SEI Laser constantly invests in research and development to improve the 100% Made in Italy production of laser cutting

What are Laser Diodes? | TechWeb

A laser diode (semiconductor laser) is an electronic component that generates laser light by converting electric current

Diode laser modules

Questi diodi laser a 1650 nm accoppiati a fibra sono offerti come articoli a magazzino o associati a un driver per diodi laser CW o

Laser cutting machines

Seilaser designs and produces innovative machines based on laser cutting technology for various application sectors.

Laser Diodes | Farnell Italy

Buy Laser Diodes. Farnell Italia offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical support.

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

BrightSolutions – A BrightSolutions Company

The Company's activity is oriented towards the development of state-of-the-art diode-pumped solid-state

Diode Lasers Information

Diode lasers (or laser diodes) are semiconductor lasers which use electrical power as an energy source

Your solution for laser diodes and photonics systems

AeroDIODE offers photonics solutions: precision & short pulse laser diode drivers, fiber modulators,

Medical and Surgical Laser Systems | Quanta System

Our Medical & Surgical Lasers are used in many different fields such as Laparoscopy, Digestive Endoscopy, Thoracic Surgery,

I LASER – Medical Diode Laser 1940 | Promoitalia

I-LASER is a FDA Cleared semiconductor diode device with a 1940nm wave length, which bases its

Quanta System: Medical & Aesthetic Laser Machines

Quanta Systems is a Leading Italian Manufacturer of Laser Systems for Aesthetics, Surgery and Art. Top

Laser Diodes – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for laser diodes provides technical background, comparison of major types, selection criteria, and an overview of

Laser Diode Manufacturers

A Laser Diode is a type of semiconductor device that produces coherent light through the process of stimulated emission. The

Laser Diode & Direct Diode Laser Market in

The future of the laser diode & direct diode laser market in Italy looks promising with opportunities in material processing, optical

Laser Diode Modules

Diode lasers are the most common type of laser and are used in multiple applications due to their small footprint and low cost. We

Products

We offer a variety of fibers, disposable and reusable for our laser systems and other machinery. They are

Contact Us

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