

## Tunable Lasers

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A tunable laser is a laser whose wavelength of operation can be altered in a controlled manner. While all laser gain media allow small shifts in output wavelength, only a few types of lasers allow continuous tuning over a significant wavelength range. There are many types and categories of tunable lasers. They exist in the gas, liquid, and solid state. Among the types of tunable lasers are excimer lasers, gas lasers, dye lasers, transition metal solid-state lasers, semiconductor crystal and diod

[Tunable laser - Wikipedia](#)

[Tunable Lasers. Overview.](#) Laser Lines offers a range of tunable laser systems based on optical parametric

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oscillators (OPOs) from Radiantis. At the forefront of technological development, Radiantis are a specialist manufacturer of advanced frequency conversion systems for laser tuning from 200 to 4000 nm. They include fully-automated, compact & reliable systems or separate OPOs and harmonic generators for use with existing lasers.

## ~~Tunable Lasers – Laser Lines~~

Tunable laser oscillators without intracavity beam expansion are those laser resonators in which the intrinsic narrow beam waist at the gain region is not expanded using intracavity optics.

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Tunable Lasers (OPO, Dye, etc.) Within our tunable lasers product range you will find a broad range of tunable dye lasers from Sirah - the world's leading manufacturer of pulsed dye lasers. Here you will find a variety of dye lasers to suit a range of applications.

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Tunable lasers enable research in the fields of spectroscopy, molecular detection and imaging. This includes applications such as industrial process controls, the detection of biomarkers in the breath, cellular imaging, and the detection of chemical and biological agents.

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~~Tunable Lasers, NI & MW Tunable Laser Sources~~

Tunable Wavelength Femtosecond Laser System. Tunable wavelength femtosecond OPCPA system. 700 to 1010 nm, 375 - 480 nm, 250 - 320 nm and 210 - 230 nm tuning. Up to 3 mJ pulse energy at 1 kHz repetition rate. Perfectly synchronized fs and ps outputs option. Download.

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New Focus tunable diode lasers are single mode, narrow linewidth & mode-hop-free over the specified tuning ranges. Our tunable lasers are used in laboratory and industrial environments and as OEM components and subsystems.

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ID Photonics manufactures tunable Laser solutions for

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test applications. Our CoBrite Series provides a solution for a wide range of coherent Transmission testing applications from single up to 104 light sources within one system. Our IQ multi-format Transmitter support generation of signals like -nQAM with high bandwidth and linearity.

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spectroscopy kits. C-Band and L-Band Tunable Lasers, Benchtop. MEMS-VCSEL Swept Sources. Tunable Ti:Sapphire Laser for Multiphoton Imaging.

## ~~Tunable Lasers—Thorlabs~~

Tunable/Swept Bandwidth Lasers at New Wavelengths  
Although Superluminescent Diodes (SLDs) are the main business of Superlum Diodes, the company also offers tunable/swept bandwidth lasers called “Broadsweepers”. Superlum introduced the first compact OEM version of Broadsweeper at 840 nm with 75 nm tuning/sweeping bandwidth two years ago.

## ~~tunable lasers Archives | IL Photonics~~

Many laser applications depend on the ability of a particular laser to be frequency tunable. Among the many different types of frequency tunable lasers are: dye lasers, excimer lasers, and semiconductor lasers.

## ~~Tunable Lasers Handbook—1st Edition~~

Many laser applications depend on the ability of a particular laser to be frequency tunable. Among the many different types of frequency tunable lasers are: dye lasers, excimer lasers, and semiconductor lasers.

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TUNABLE PULSED LASERS Integrated Nd:YAG pumped Type II BBO OPO laser systems with either DPSS or lamp pump source. Continuous tuning range 410-1064nm and 1064-2600nm. Linewidth < 4cm<sup>-1</sup>.

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