

Nanosecond Tunable Wavelength Lasers

NT series tunable lasers offer tunable, automated wavelength output from UV to IR out of the one small-footprint box. Integrated into a single compact housing, the diode or flash-lamp pumped Q-switched Nd:YAG laser and OPO offer hands-free, no-gap tuning across the specified range.

The output wavelength can be set from control pad with backlit display that is easy to read even while wearing laser safety glasses.

Alternatively, the laser can be controlled also from personal computer using supplied LabVIEW™ drivers.

Most of the pump lasers do not require water for cooling, thus further reducing running and maintenance costs. A built-in OPO pump energy monitor allows monitoring of pump laser performance without the use of external power meters.

Wide range of available options, accessories and modifications enable to tailor laser to better

fit for your requirement. High conversion efficiency, stable output, easy maintenance, robust design and compact size make NT series systems an excellent choice for many applications including laser induced fluorescence, flash photolysis, photobiology, metrology, remote sensing and many others.

In the year 2011 the NT series systems has received the Photonics Oscar – Prism Award for Photonics Innovation in Scientific lasers category.

SHORT SELECTION GUIDE

For Your convenience, table contains all available options and highest parameter values. Not all output specifications are available at the same time simultaneously. Please refer to the catalog page for exact specifications and available options.

Model	Output wavelength range	Repetition rate, up to	Pump laser	Special feature	Page
NT260	192–2 600 nm	10 kHz	Diode pumped solid state	Narrow linewidth at kHz repetition rate	4
NT230	192–2 600 nm	100 Hz	Diode pumped solid state	High, up to 15 mJ pulse energy from OPO	8
NT240	210–2 600 nm	1000 Hz	Diode pumped solid state	Broadly tunable kHz pulsed DPSS lasers	12
NT250	335–2 600 nm	1000 Hz	Diode pumped solid state	UV-NIR range DPSS lasers	16
NT270	2500–4 475 nm	1000 Hz	Diode pumped solid state	Wide IR tuning range at kHz repetition rate	19
NT340	192–4 400 nm	20 Hz	Flash-lamp pump laser	Wide range of modifications to tailor for specific applications	22