

NEW WAVE

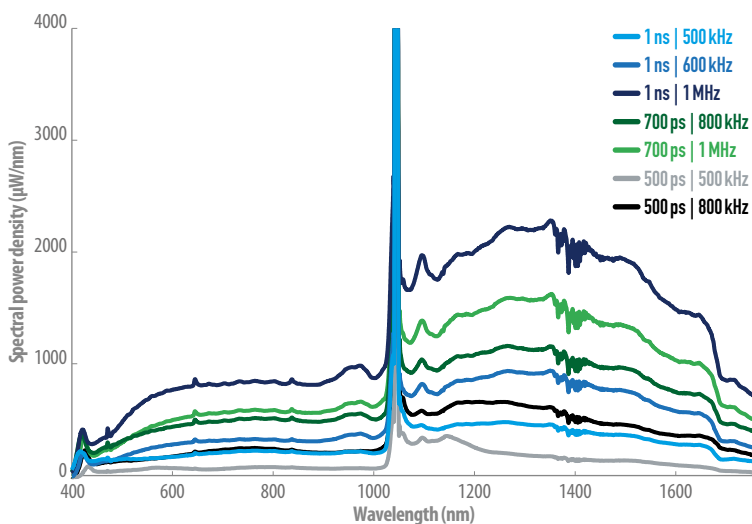
— Supercontinuum lasers
— SCIENTIFIC
— HIGH-POWER



AGILE SUPERCONTINUUM LASER



The **NEW WAVE** laser is an agile high power white light supercontinuum. This laser provides up to 2W total average power with adjustable pulse width and repetition rate.



FEATURES

- From visible to NIR 400 - 2400 nm
- Adjustable repetition rate 250 kHz up to 5 MHz
- Adjustable pulse width 150 ps up to 2 ns
- Total average power up to 2 W
- Spatially single mode
- Maintenance-free

APPLICATIONS

- Time-resolved spectroscopy
- OCT
- Metrology
- LIDAR



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NEW WAVE

AGILE SUPERCONTINUUM LASER

NEW WAVE allows multiple modes of operation through a patented optical design that provides flexibility, power and stability. Developed in response to market demand for agile and reliable supercontinuum, **NEW WAVE** offers the right performances to fit your needs and facilitate your progress.

- Supercontinuum lasers
- SCIENTIFIC
- **HIGH-POWER**



ADDITIONAL EQUIPMENT

Achromatic collimated output

Easy fiber coupling with POP

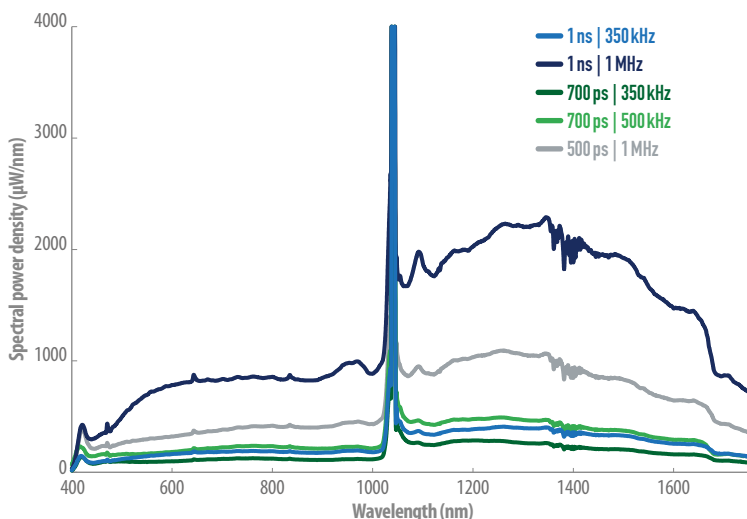
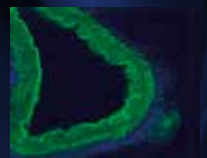
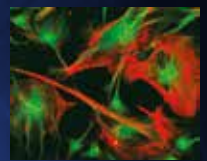
Tunable filters : AOTF, monochromators, custom

OPTION

Fixed pulse width and adjustable repetition rate

Up to 5 MHz

OPTICAL SPECIFICATIONS		NEW WAVE
Spectral bandwidth	min	< 410 nm
	max	> 2 400 nm
Adjustable total average power		Up to 2 W
Adjustable seed repetition rate (step 50kHz)	min	250 kHz
	typ	1 MHz
	max	2 MHz
Adjustable seed pulse width	min	100 ps
	max	2 ns
Power stability		< 1,5%
Spatial mode		Singlemode
Polarization state		Unpolarized
Output		FC/APC collimator (~1m armored cable)
Synchronization output		External output trigger BNC connector (output panel)
Interlock connector		2-pin LEMO
OTHER SPECIFICATIONS		
Control interface		Front panel and USB
Operating temperature		+15°C to +35°C non condensing
Weight		< 9 kg
Dimensions (LxWxh)		430x330x80 mm
Power requirements		100-240 V, 50/60 Hz



CAUTION – VISIBLE AND INVISIBLE LASER RADIATION AVOID EYE AND SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT

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All specifications are subject to change without notice