

New wave

Agile supercontinuum white light Source

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. **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 you needs and facilitate your progress.

FEATURES

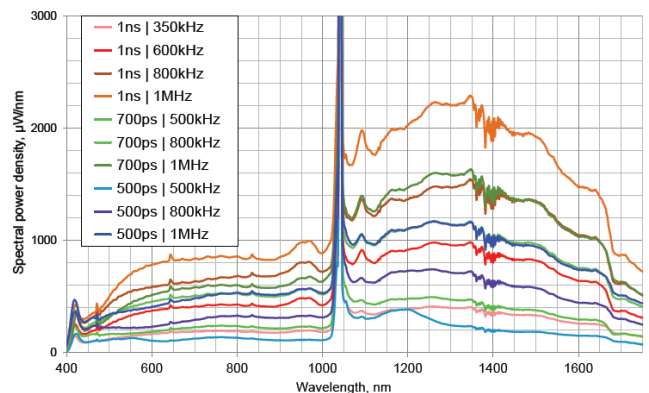
- From Visible to NIR
400nm -2400nm
- Adjustable repetition rate 250kHz
up to 5MHz
- Adjustable pulse width
150ps up to 2ns
- Total average power up to 2W
- Average power stability <1%
- Spatially single mode
- Maintenance-free

APPLICATIONS

- Time-resolved spectroscopy
- OCT
- Metrology
- LIDAR



The agile white laser with adjustable pulse width and repetition rate

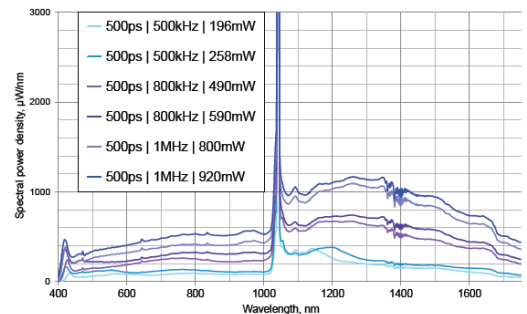
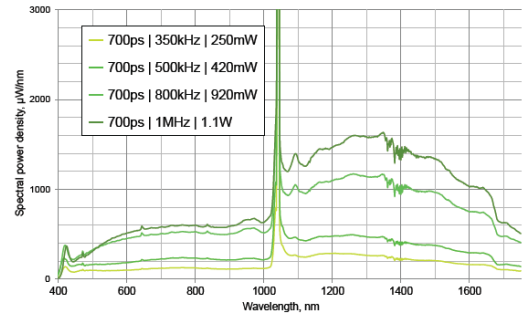
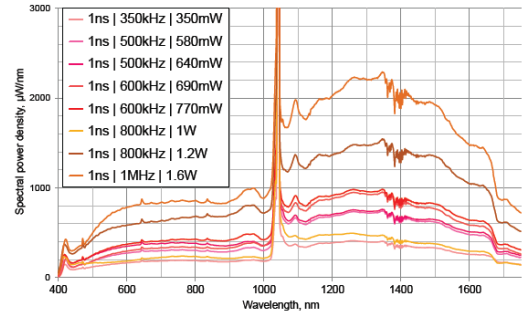




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Optical specifications		New Wave
Spectral bandwidth	Min	< 410nm
	Max	>2400 nm
Adjustable total average power		Up to 2W
Adjustable seed repetition rate (step 50kHz)	Min	250kHz
	Typ	1MHz
	Max	5MHz
Adjustable seed pulse width	Min	100 ps
	Max	2 ns
Power 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	< 9kg
Dimensions (LxWxh)	430x330x80 mm
Power requirements	100-240 V, 50/60 Hz

- Additional equipments**
- 1 - Achromatic collimated output
 - 2 - Easy fiber coupling with POP
 - 3 - Tunable filters :AOTF, monochromators, custom



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