

## PEGASUS

### Agile Supercontinuum White Light Source

The PEGASUS 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. PEGASUS 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, PEGASUS offers the right performances to fit your needs and ease your applications.

#### FEATURES

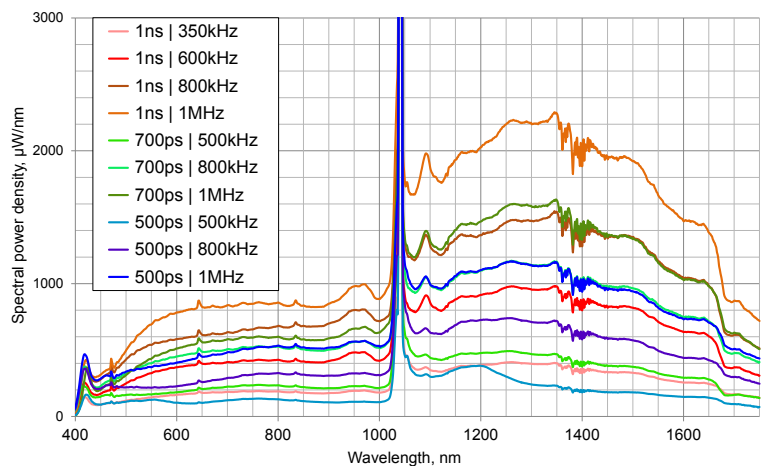
- From visible to NIR  
400 nm - 2400 nm
- Adjustable repetition rate  
250 kHz up to 5 MHz
- Adjustable pulse width  
250 ps up to 4 ns
- Total average power up to 2 W
- Average power stability < 1%
- Singlemode
- Maintenance-free
- All fibered broadband source

#### APPLICATIONS

- Laser diagnostic
- OCT (Optical Coherence Tomography)
- Materials characterization
- Spectroscopy
- Lifetime measurement
- Metrology, LIDAR



**The agile white light laser**  
**Adjustable repetition rate**  
**Adjustable pulse width**





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## Supercontinuum White Light Source

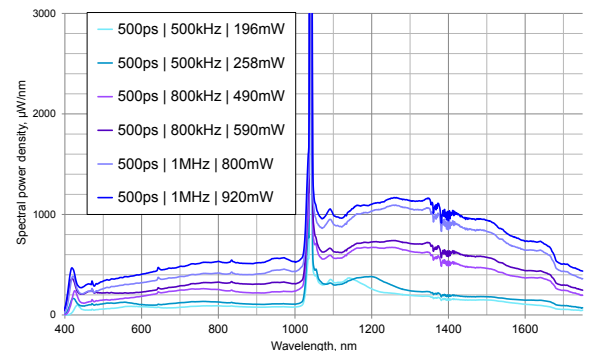
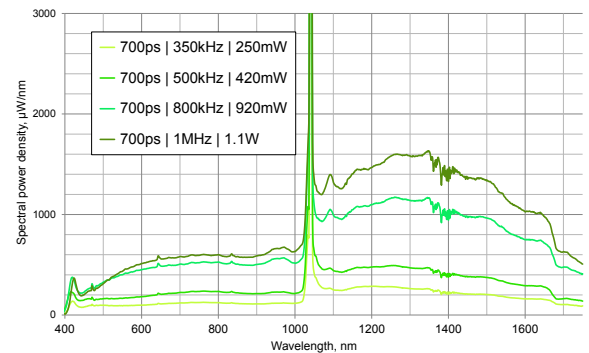
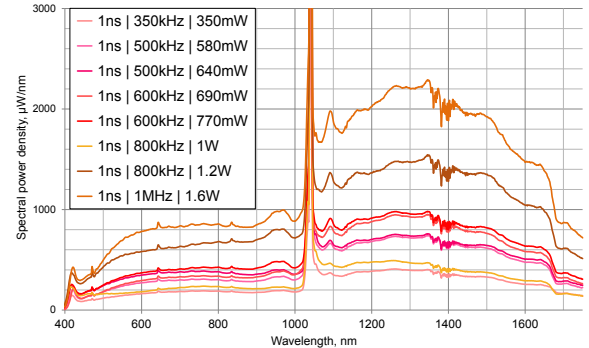
### PEGASUS

Optical specifications		
Spectral bandwidth *	min	< 410 nm
	Max	> 2300 nm
Adjustable Total average power		Up to 2 W
Adjustable Seed repetition rate (step 50 kHz)	min	250 kHz
	typ	1 MHz
Adjustable Seed pulse width **	Max	5 MHz
	min	250 ps
Power stability ***	Max	4 ns
		< 1 %
Spatial mode		Singlemode
Polarization state		Unpolarized
Output connection		FC/APC Collimator (~ 1 meter armored cable)
Synchronization output		External output trigger BNC connector (rear panel)
Other specifications		
Control interface		Front panel display, via USB
Dimensions		2U rack mountable 19"
Weight		< 10 kg
Power requirements		100-240V, 50/60Hz

\* Constant peak power mode is available. It allows to keep the spectral bandwidth of the laser whatever the repetition rate and the pulse width are.

\*\* Different pulse widths are available. Users can choose up to 8 values when ordering.

\*\*\* Typical value of long-term stability for total average power, after warm-up time.



#### Additional equipments

- 1 Collimated output  
Lens or achromatic broadband collimator
- 2 Fiber Assembly Unit  
Plug and play module allowing to inject with high transmission the laser into a FC/APC fiber.
- 3 Tunable filters  
AOTF, monochromators, automated tunable filters, tunable bandwidth filters

