

MANNY SERIES

Highly flexible picosecond fiber laser

Key features:



Tunable pulse repetition frequency up to 2 GHz



Many wavelength available in IR and Visible



Tunable pulse duration from 35 ps to few ns



Multistage fiber amplifier from 40 mW to > 30 W



Compact, turn key master/slave system

MANNY product range integrates an innovative electronical pulse generation system which brings unprecedented features: **the pulse gating,**

Thank to this technology, pulse duration and repetition rate are flexible and tunable.

MANNY systems fits perfectly any industrial and scientific application that requires master/slave synchronization.

Typical applications:

- Advanced microscopy
- Spectroscopy
- Bio-photonics
- Nonlinear optics



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Specifications

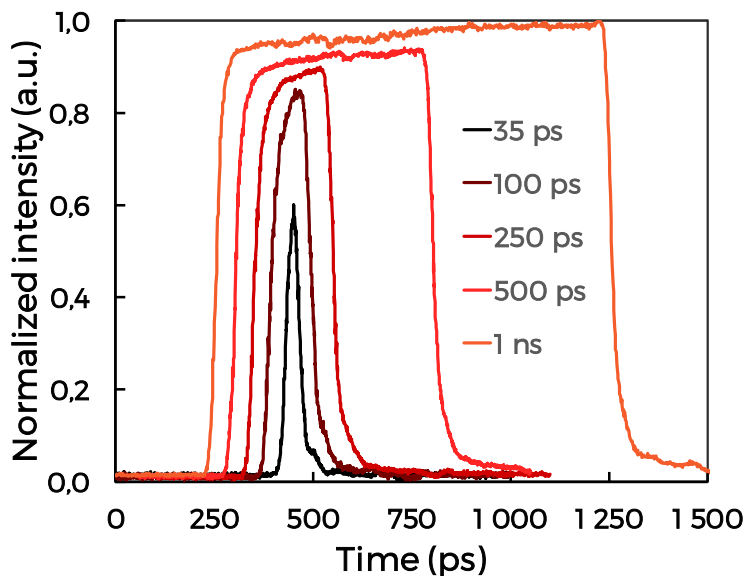
	MANNY S	MANNY M	MANNY L	MANNY XL
Central Wavelength*	1030 nm, 1064 nm, 1550 nm or 1560 nm			
Frequency doubling	515 nm, 532 nm, 775 nm or 780 nm			
Avg. Output Power**	40 mW	1 W	10 W	> 30 W
Power stability	< 2% RMS			
Spectral bandwidth	< 0,1 nm			
Pulse duration	from 35 ps to few ns			
Timing jitter***	< 10 ps RMS			
Repetition rate	5 MHz to 2 GHz			
Polarization	Linear, > 20 dB			
Ext, synchronisation	Master/Slave			
Beam quality	Fibered output		Free-space output - $M^2 < 1,2$	
Cooling system	Air cooled			

* Other wavelength available upon request

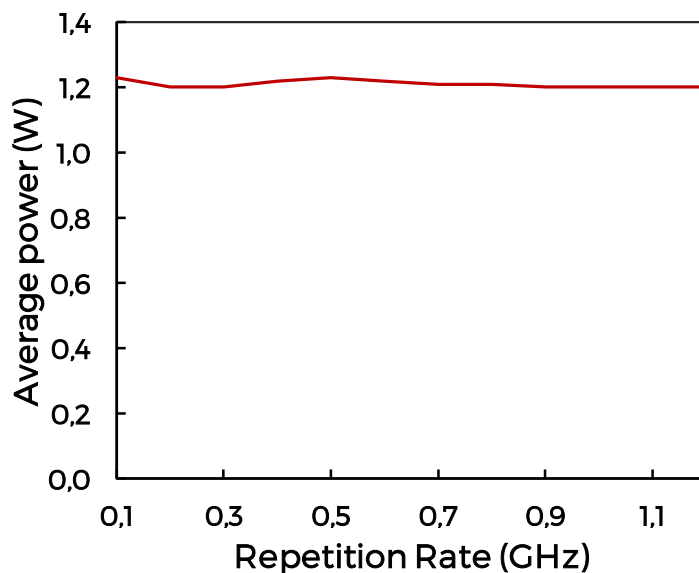
** Typical average power in IR

*** Depends on clock or sync signal

Pulse shape from 35ps to 1ns



Average power vs. repetition rate



All information in this document is subject to change without prior notice. Updated 01/2019

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