

MANNY-IR SERIES

Highly Flexible Infrared Picosecond Fiber Laser

Key Features:



Tunable and Adjustable Pulse Repetition Frequency up to 2 GHz



Many Wavelengths Available in IR



Tunable Pulse Duration from 50 ps to few ns



Multistage Fiber Amplifier up to 30W



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:

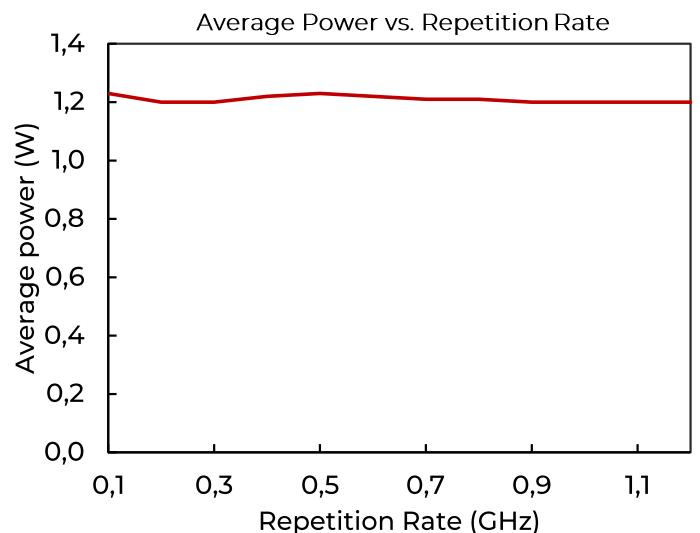
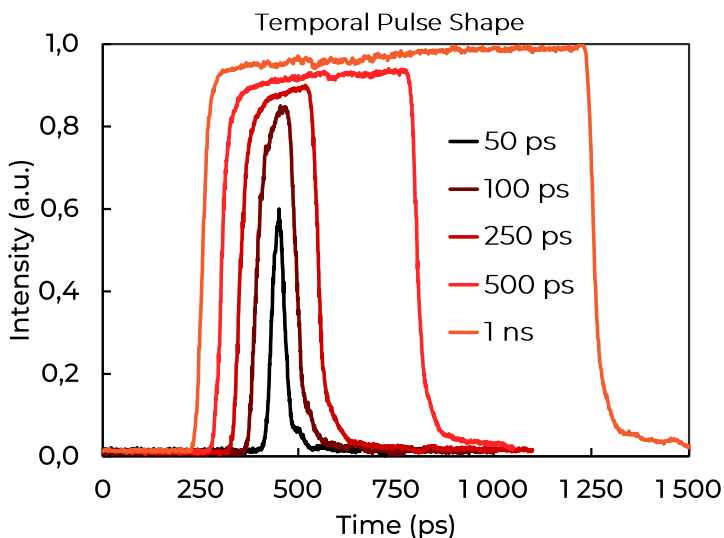
- Seed for High Power Lasers
- Laser Research
- Nonlinear Optics
- Spectroscopy
- Bio-photonics



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Specifications

Central Wavelength (1)	1030 nm, 1064 nm or 1550 nm, 1560 nm
Max. Avg. Output Power (2)	30 W
Max Pulse Energy (3)	> 1 μ J
Power Stability (4)	< 5 % RMS
Spectral Bandwidth	< 0,2 nm, FWHM
Pulse Duration	Tunable and adjustable from 50 ps +/- 10 ps to few ns
Timing Jitter (5)	< 3 ps RMS
Repetition Rate	Up to 2 GHz, Burst capable
Polarization	Linear, > 20 dB
Ext. Synchronization	Master/Slave
Beam Quality	Fibered output (for avg. power up to 1 W) or Free-space output - $M^2 < 1,3$
Cooling System	Air cooled
Laser Manager Software	Included (Windows® 7/8/10/11 required)
PC Interface	RS 232/USB or Ethernet
Dimensions	19" Rack, 5U
<p>(1) Other wavelengths available upon request</p> <p>(2) Depends on pulse repetition rate</p> <p>(3) Depends on pulse repetition frequency</p> <p>(4) Depends on test duration and stability of ambient temperature</p> <p>(5) Depends on clock or sync signal</p>	



All information in this document is subject to change without prior notice. – Updated 01/2023

Don't hesitate to contact us for more information:



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