

REPETITION RATE IS NOT GOING TO BE A RESTRICTION ANYMORE

NEW OLSEER LASER SYSTEM

HIGH ENERGY · HIGH REPETITION RATE

PROTON LASER APPLICATIONS
presents a new series of
Q-switched Nd lasers, the OLSEER FAMILY.

Proton Laser Applications, S.L. is a company specialized in high power ultrafast laser with high repetition rates.
The company headquarters are in Barcelona.

Announcing the new

OLSER LASER SYSTEM

It is a diode pumped Nd:crystal laser designed for efficient high energy high repetition rate Q-switch emission.



The GREEN PUMP is the Proton Laser OLSER System. This is a Nd diode pumped solid state laser able to reach 500 Hz repetition rates at high energy.

KHz repetition rates are also possible on demand.

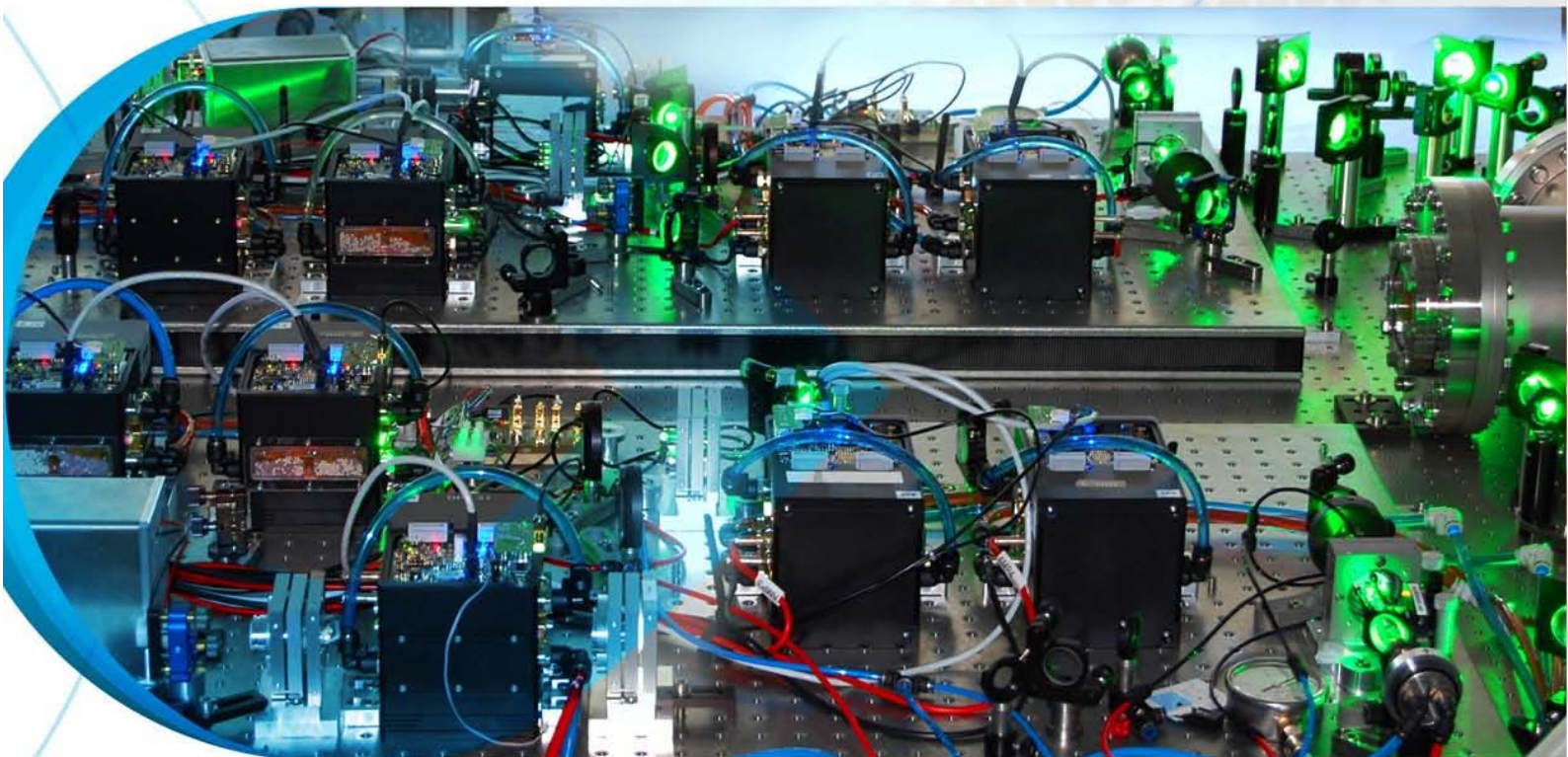
APPLICATIONS:

- ◇ LIDAR
- ◇ Ti:Sa PUMPING
- ◇ MARKING
- ◇ PUMP PROBE EXPERIMENTS
- ◇ BIOMEDICINE
- ◇ LASER PEENING

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	OLSER 2	OLSER 4	OLSER 5
Active material	Nd: YAG or Nd: YLF		
Wavelength	1064 nm (Nd:YAG) or 1053 nm (Nd: YLF)		
Repetition rate	100 to 500 Hz	100 to 500 Hz	100 to 500 Hz
Energy per shot at 1064 nm	200 - 300 mJ	400 - 800 mJ	700 - 1000 mJ
Energy per shot at 532 nm	120 - 180 mJ	220 - 440 mJ	400 - 800 mJ
Average Power	Up to 100 W	Up to 200 W	Up to 600 W
Pulse width in Q-switch mode	10 - 30 ns	10 - 30 ns	10 - 30 ns
Energy stability	< 1 % rms	< 1 % rms	< 1 % rms
Spatial Beam Mode	TEM00	Multimode	Multimode
Beam divergence	< 0.3 mrad	< 0.3 mrad	< 0.3 mrad
Polarization	Linear (1:100)	Linear (1:100)	Linear (1:100)
Pump	High Power Pulsed diode Laser		

Specifications of the different systems about OLSER series





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