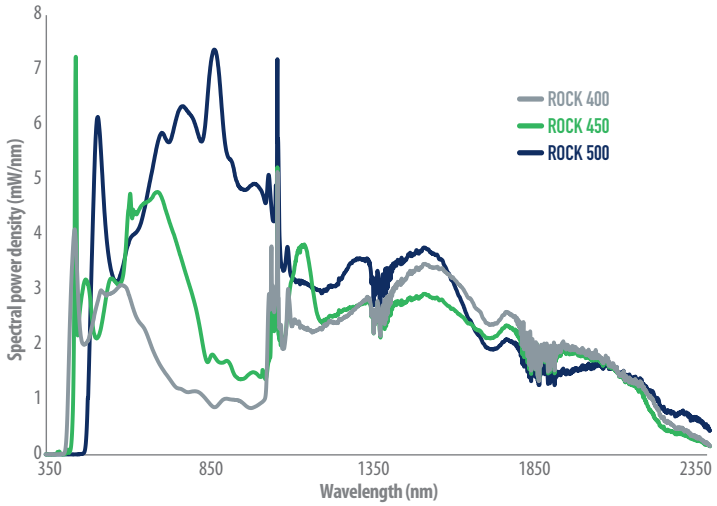
– Supercontinuum lasers
– SCIENTIFIC
– HIGH-POWER

ROCK

HIGH POWER SUPERCONTINUUM LASER

Based on high repetition rate mode-locked lasers, **ROCK** operates at tens of MHz repetition rate with short pulse durations on the order of picoseconds.

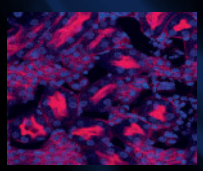


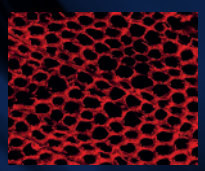
FEATURES

From visible to NIR 410 - 2400 nm
MHz repetition rate
Picosecond pulse width
Total average power up to 6 W
Visible power up to 1600 mW
Spatially singlemode
Maintenance-free

APPLICATIONS

Microscopy
Multiphoton fluorescence
Spectroscopy
OCT
Metrology
LIDAR





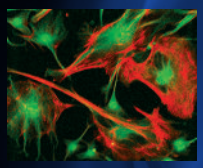
LEUKOS
Make a bright future

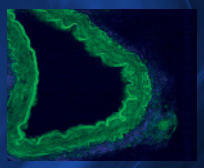
— Supercontinuum lasers
— SCIENTIFIC
– HIGH-POWER

ROCK

HIGH POWER SUPERCONTINUUM LASER

Ergonomic and functional, **ROCK** provides a high average power with stable broadband spectrum which can be easily combined with our filtering solutions to provide a convenient tunable laser. An optionnal pulse-picker can also be integrated in order to vary the nominal repetition rate of the laser.





OPTICAL SPECIFICATIONS		ROCK 400	ROCK 450	ROCK 500
Spectral bandwidth	minimum	< 410 nm	< 450 nm	< 500 nm
	maximum	> 2 400 nm	> 2 300 nm	> 2 300 nm
Total average power		2, 4, 5 W	2, 4, 5 W	2, 4, 6 W
Total visible power		Up to 1 600 mW		
Repetition rate		40 or 60 MHz (on request)		
Seed pulse width		~ 6 ps		
Power stability		< +/- 1 %		
Spatial mode		Singlemode		
Polarization state		Unpolarized		
Output		FC/APC collimator (~ 1m armored cable)		
Synchronization output		TTL / NIM		
Interlock connector		2-pin LEMO		
OTHER SPECIFICATIONS				
Control interface		Front panel / Remote control		
Operating temperature		+15°C to +35°C non condensing		
Weight		< 20 kg		
Dimensions (LxWxh)		435x455x145 mm		
Power requirements		100-240 V, 50/60 Hz		

ADDITIONAL EQUIPMENT

Achromatic collimated output

Easy fiber coupling with Pop

Tunable filters : Tango, Bebop, custom

OPTION

Pulse picker down to 100 kHz

Optimization of spectrum in the NIR 1100-2400nm

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+33 (0)5 87 20 00 25
contactus@leukos-laser.com
www.leukos-laser.com

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