

## Rock

### High power supercontinuum source

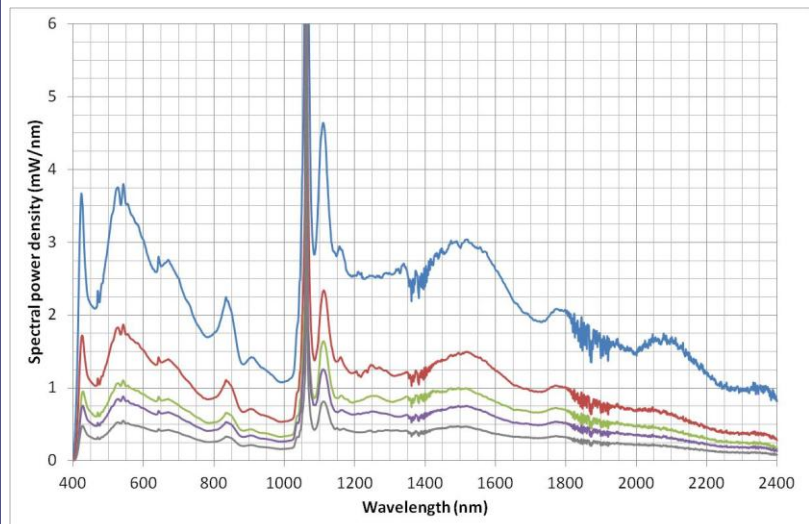
Based on high repetition rate mode-locked lasers, **Rock** operates at tens of MHz repetition rate with short pulse durations on the order of picoseconds. Ergonomic and functional, **Rock** provides a high average power with stable broadband spectrum which can be easily combined with our filtering solutions to provide a convenient tunable laser. An optional pulse-picker can also be integrated in order to vary the nominal repetition rate of the laser.

#### FEATURES

- From Visible to NIR 410 nm-2400nm
- MHz repetition rate
- Picosecond pulse width
- Total average power up to 6W
- Visible power up to 1200mW
- Spatially singlemode
- Maintenance-free

#### APPLICATIONS

- Microscopy
- Multiphoton fluorescence
- Spectroscopy
- OCT
- Metrology
- LIDAR



Example of spectra of a Rock 400 with pulse picker option



## Rock

High power supercontinuum laser

Optical specifications		Rock 400	Rock 450	Rock 480
Spectral bandwidth	Min	< 410 nm	< 450 nm	< 480 nm
	Max	>2400 nm	>2400 nm	>2400 nm
Total average power		2, 4, 5 W	2, 4, 5 W	2, 4, 6 W
Total visible power		Up to 1200 mW		
Repetition rate		20, 40, 60, 80 MHz		
Seed pulse width		~ 6 ps		
Power stability		< +/- 1 %		
Spatial mode		Singlemode		
Polarization state		Unpolarized		
Output		FC/APC collimator (~1m armored cable)		
Synchronization output		Photodiode and NIM		
Interlock connector		2-pin LEMO		

### Other specifications

Control interface	Front panel
Operating temperature	+15°C to +35°C non condensing
Weight	<9kg
Dimensions (LxWxh)	430x330x80mm
Power requirements	100-240 V, 50/60 Hz

#### Additional equipments:

- 1 - Achromatic collimated output
- 2 - Easy fiber coupling with POP
- 3 - Tunable filters : AOTF, monochromators, custom

#### Option:

- 1 - Pulse picker down to 100 kHz



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