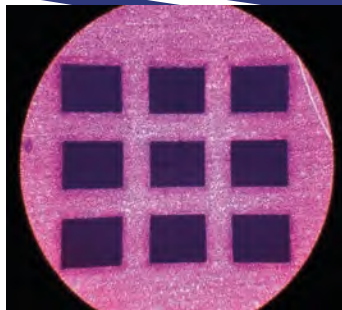


Lampo

MOPA ultrafast laser

[L*]ProCareLight

Light, Laser and Safety Solutions



Lampo 532nm

Applications

- Specialty marking
- Micromachining
- OLED Microelectronics
- LIDAR
- Spectroscopy
- Scientific



Features

- < 70ps
- 50kHz to 40MHz
- External trigger
- 532, 1064
- FHG option
- $M^2 < 1.5$
- Compact monolithic case



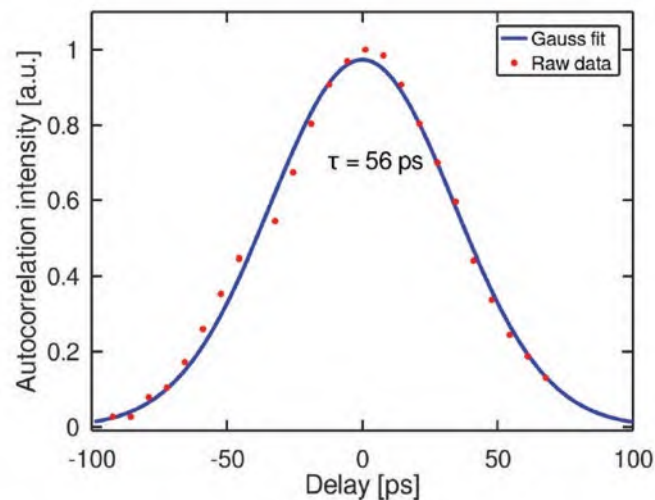
Lampo

MOPA ultrafast laser

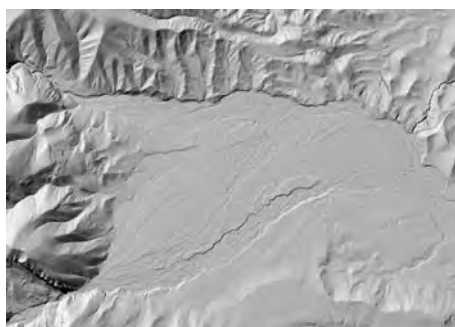
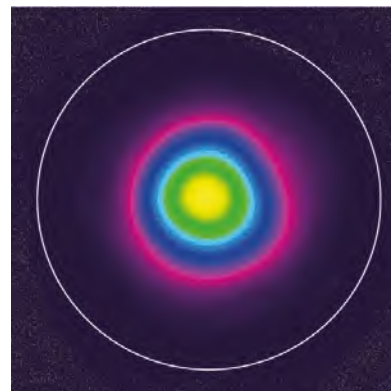
Bright Solutions is glad to introduce Lampo, the new family of compact ultrafast lasers generating high peak power ps laser pulses at a repetition rate selectable over a wide frequency range, externally triggerable from 50 kHz to 40 MHz.

The pulses emitted by Lampo have a duration of few tens of picoseconds, with MegaWatt-level peak power, and wavelengths ranging from IR (1064 nm) to deep UV (266 nm).

Pursuing the all-in-one philosophy of most of Bright Solutions industrial and airborne lasers, Lampo is built in a rugged single-unit laserhead including the monolithic optical section as well as power and signal electronics.



	Lampo models		
	Lampo 266	Lampo 532	Lampo 1064
Primary wavelength	266 nm	532 nm	1064 nm
Pulsewidth	< 70 ps		
Max Average Power	1 W	5 W	20 W
Max Pulse Energy	20 μJ	80 μJ	150 μJ
Q-Switch Rep. Rate	50 kHz to 40 MHz		
Beam Quality (M^2)	< 1.5		
Cooling	Water-cooled (option: air-cooling and contact-cooling)		
DC IN Voltage	24 V		



OPTIONS AVAILABLE:

- Custom amplified models
- Beam expanding and collimating optics
- Circular polarization
- Custom harmonics
- Remote control cbox and software interface
- AC-DC power supply