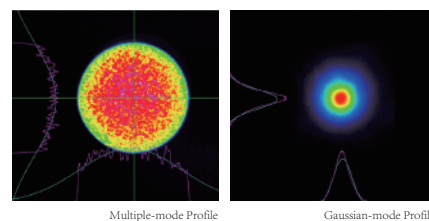


Features

- Multiple harmonics optional
- Excellent beam quality
- Repetition rate up to 500Hz
- Compact size and easy to integrate



Compact pulsed DPSS laser

Gama series is a compact pulsed DPSS laser, which is widely used in LIDAR, pumping OPO, pumping Ti:Sapphire lasers, laser eroding and other applications. Gama series combines high energy and high repetition rate in compact package. The fundamental wavelength covers energy level from 60mJ to 1000mJ with repetition rate 100Hz, 200Hz, 300Hz and 500Hz optional (average power up to 100W).

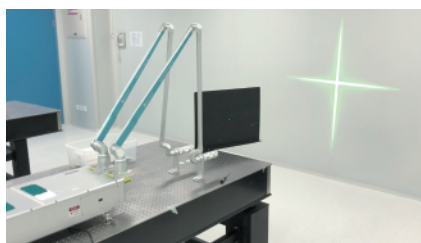
The unique resonator design ensures excellent beam quality at high repetition rate. In addition, the laser structure is compact with rugged design and the SHG, THG and FHG harmonics options are available.

Applications

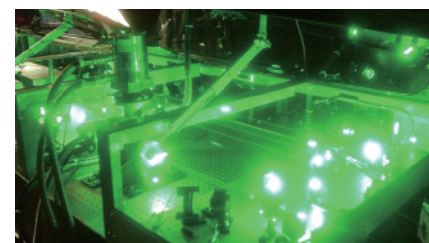
- LIDAR
- OPO Pumping
- Ti:S Lasers Pumping
- Laser Eroding
- PIV



LIDAR



PIV



泵浦钛宝石激光器

Specifications

Models	Gama-M/G60	Gama-M/G100	Gama-M/G150	Gama-M/G200	Gama-M/G400	Gama-A200	Gama-A400	Gama-A600	Gama-A800	Gama-A1000
Wavelength ¹	1064nm									
Output Energy	60mJ	100mJ	150mJ	200mJ	400mJ	200mJ	400mJ	600mJ	800mJ	1000mJ
Repetition Rate	Up to 500Hz	Up to 300Hz	Up to 200Hz	Up to 100Hz	Up to 100Hz	Up to 500Hz	Up to 500Hz	Up to 200Hz	Up to 100Hz	Up to 100Hz
Work Mode	EO Q-switch QCW laser & pumped by QCW Diode									
Laser Mode	Multi-Mode or Flat-top Mode									
Diameter ²	4mm	5mm	6mm	6mm	8mm	5mm	6mm	8mm	8mm	10mm
Divergence ³	Multi-Mode: ≤3mrad; Flat-top Mode: ≤1mrad									
Pulse Duration ⁴	8~12ns									
Energy Stability ⁵ (RMS)	≤1%@1064nm ≤2%@532nm									
Jitter ⁶ (RMS)	<1ns									
Cooling	Chiller									
Electrical Service	220V-50/60Hz-10A									

Models	Gama-S-10	Gama-S-30	Gama-S-100
Wavelength ¹	1064nm		
Output Energy	10mJ	30mJ	100mJ
Repetition Rate	Up to 1000Hz	Up to 1000Hz	Up to 500Hz
Work Mode	EO Q-switch QCW laser & pumped by QCW Diode		
Laser Mode	Real TEM ₀₀		
Diameter ²	3mm	3mm	6mm
Divergence ³	≤1mrad		
Pulse Duration ⁴	8~12ns		
Energy Stability ⁵ (RMS)	≤2%		
Jitter ⁶ (RMS)	<1ns		
Cooling	Chiller		
Electrical Service	220V-50/60Hz-10A		

1. SHG, THG&FHG are available for optional.
 2. Measured at the laser output.
 3. Full angle at 1/e² of the peak.

4. Full width half max (FWHM).
 5. Dev. to average (shot to shot for 99% of pulses).
 6. With respect to external trigger.

Dimensions

