

2.5 mJ@<50 ps Nd:YAG LD pumped Picosecond Nd:YAG laser

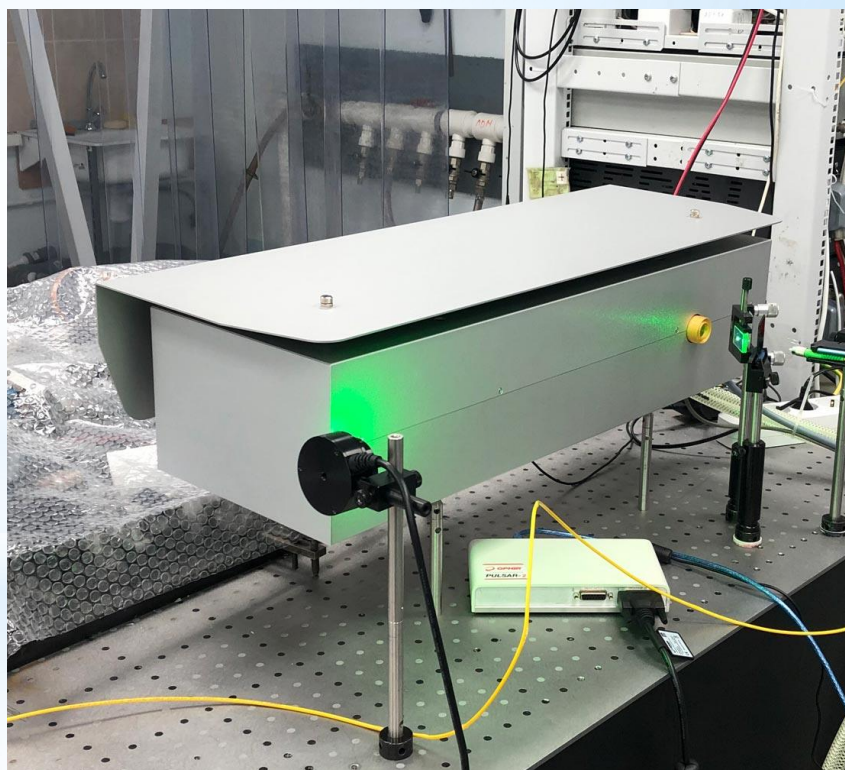
Wavelength	1064 nm	532 nm
Pulse energy	4 mJ (without SHG)	2.5 mJ
Pulse duration	<50 ps	
Pulse repetition rate	300 Hz (1000 Hz optional)	
SHG efficiency	60%	
Output beam diameter (1/e ²)	<3.4 mm	
Pulse contrast	>1:200	>1:1000
M ²	<1.2	<1.4
Laser head dimensions (LxWxH)	Monoblock climatic version 700×245×160 mm	
Operating temperature	-40° .. +40° C	
Laser head weight	<25 kg	

Applications:

- Precision micromachining
- Satellite laser ranging
- Spectroscopy
- Medicine application

Features:

- DFB gain-switched laser diode as a master oscillator
- Diode end-pumped Nd:YAG regenerative amplifier
- **Monoblock climatic version (±40°C)**



Laser head of monoblock version