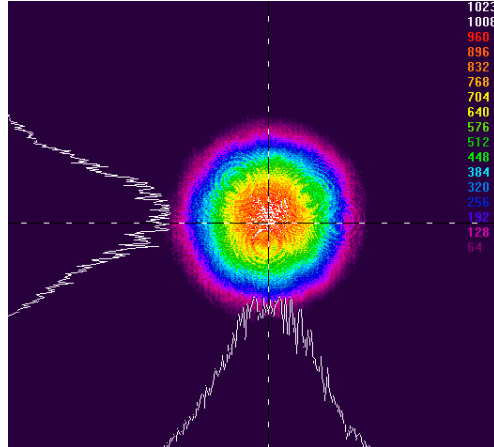


High Repetition Rate PowerChip 1064nm, 532nm, 355nm Passively Q-Switched Lasers

Excellent Beam Quality and Stability



1kHz beam at 1064nmnm

Applications

- ✓ Microdissection
- ✓ MALDI
- ✓ LIBS
- ✓ Raman spectroscopy
- ✓ Laser induced fluorescence
- ✓ Glass engraving
- ✓ Marking on hard materials

Benefits

- ✓ High repetition rate to 3kHz
- ✓ Ultra short pulses <500ps @ 355nm
- ✓ High peak power >150kW at 1064nm
- ✓ Gaussian beam with M^2 of 1.3
- ✓ Operates at multiple fixed frequencies
- ✓ Runs off of external signal generator
- ✓ Compact head, easy to position

Model Number	PNP-F12005-xxx	PNP-F10010-xxx	PNP-F08030-xxx	PNG-F06005-xxx	PNG-F04010-xxx	PNG-F03030-xxx	PNV-F05005-xxx	PNV-F03010-xxx	PNV-F02030-xxx
Wavelength.	1064 nm			532 nm			355 nm		
Repetition rate	500 Hz	1000 Hz	3000 Hz	500 Hz	1000 Hz	3000 Hz	500 Hz	1000 Hz	3000 Hz
Pulse energy	>120 μ J	>100 μ J	>80 μ J	>60 μ J	>40 μ J	>30 μ J	>50 μ J	>30 μ J	>20 μ J
Pulse width	<800 ps			<600 ps			<500 ps		
Avg. Power	>60 mW	>100 mW	>240 mW	>30 mW	>40 mW	>90 mW	>25 mW	>30 mW	>60 mW
Peak power	>150 kW	>125 kW	>100 kW	>100 kW	>65 kW	>50 kW	>100 kW	>60 kW	>40 kW
Beam Profile	Close Gaussian								
M^2	≤ 1.3								
Ellipticity	TBD								
Power Dissipation Head	<20 W (laser base plate at 40°C, repetition rate at 3kHz)								
Head size	250 x 65 x 42								