

Series CL100

3 Watt 1064 nm
1,5 Watt 532 nm



Passive cooled base plate

- high repetition rate solid-state diode pumped Q-switched laser
- fundamental 1064 nm and green 532 nm available
- compact laser for micro and precision processing
- excellent beam quality
- short pulses at high repetition rates
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation
- one of smallest laser in its class
- customised modifications possible

Applications

- rapid prototyping
- micro-machining
- thin film structuring
- marking, trimming



Fan cooled base plate

Model	CL 100-1064	CL 100-532
Wavelength	1064 nm	532 nm
Power	2 W @ 10 kHz 3 W @ 25 kHz	1,2 W @ 10 kHz 1,5 W @ 25 kHz
Pulse Repetition Rate	1 – 100 kHz	
Intern Trigger	1 – 200 kHz	
Extern Trigger		
Pulse Width	10 ns @ 10 kHz 15 ns @ 25 kHz	8 ns @ 10 kHz
Pulse Energy	200 µJ @ 10 kHz 120 µJ @ 25 kHz	120 µJ @ 10 kHz 60 µJ @ 25 kHz
Beam Quality	M ² < 1,3	M ² < 1,4
Polarization	linear	
Dimension Laser Head (W/H/L)	Fan cooled base plate 125 mm × 130 mm × 410 mm Water cooled base plate 125 mm × 85 mm × 410 mm Passive cooled base plate 125 mm × 75 mm × 410 mm	
Dimension Power Supply	19" Rack , 3 HU	
Power Consumption	110 –240 V, 50–60 Hz, 300 W	
Cooling Laser Head	Fan cooled base plate Water cooled base plate Passive cooled base plate	
Operating Temperature	15 – 35 °C	