

Series CP450



**5 mJ
5ns
up to 1kHz at 1064nm**

**5 mJ 1064 nm
2,5 mJ 532 nm
1 mJ 355 nm**

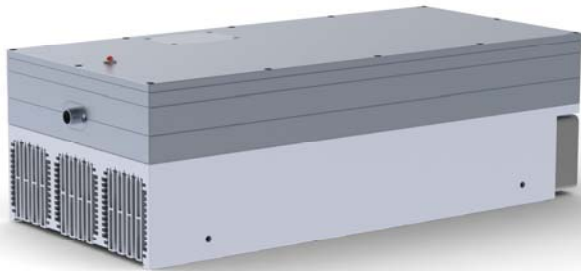
- high peak power Q-switched DPSS- laser
- 1064 nm - 532 nm and 355 nm available
- compact, air cooled laser for micro and precision processing
TEM₀₀ beam quality
- short pulses - **5ns** - with mJ pulse energy
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation

Applications

- rapid prototyping
- wavelength sensitive processing
- micro-machining
- marking, structuring, trimming
- glass engraving

Model	CP450-1064	CP450-532	CP450-355
Wavelength	1064 nm	532 nm	355 nm
Power	5 W @ 1000 Hz	2,5 W @ 1000 Hz	1 W @ 1000 Hz
Pulse Repetition Rate	Single shot ... 1000 Hz		
Pulse Width	8 ns @ 1000 Hz	5 ns @ 1000 Hz	5 ns @ 1000 Hz
Pulse Energy	5 mJ @ 1000 Hz	2,5 mJ @ 1000 Hz	1 mJ @ 1000 Hz
Beam Quality	M ² < 1,4		
Polarization	linear		
Cooling	Laser head / power supply – air / air		
Dimension Laserhead (W/H/L)	132 mm × 115 mm × 530 mm		
Dimension Power Supply	19 Inch Rack, 4 HU		
Operating Temperature	15 ... 35 °C		
Operating Voltage	24V dc (110 ... 240 V, 50 ... 60 Hz on request)		

Series CP450 - 4



2 mJ 1064 nm
1 mJ 532 nm
0.5 mJ 355 nm

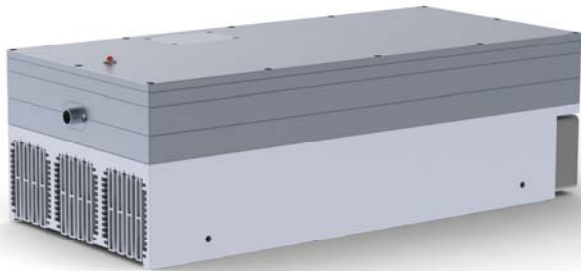
- high peak power Q-switched DPSS- laser
- 1064 nm - 532 nm and 355 nm available
- compact, air cooled laser for micro and precision processing
TEM₀₀ beam quality
- short pulses – **5ns** - with mJ pulse energy
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation

Applications

- rapid prototyping
- wavelength sensitive processing
- micro-machining
- marking, structuring, trimming
- glass engraving

Model	CP450-4-1064	CP450-4-532	CP450-4-355
Wavelength	1064 nm	532 nm	355 nm
Power	8 W @ 4000 Hz	4 W @ 4000 Hz	2 W @ 4000 Hz
Pulse Repetition Rate	Single shot ... 4000 Hz		
Pulse Width	8 ns @ 4000 Hz	5 ns @ 4000 Hz	5 ns @ 4000 Hz
Pulse Energy	2 mJ @ 4000 Hz	1 mJ @ 4000 Hz	0,5 mJ @ 4000 Hz
Beam Quality	M ² < 1,4		
Polarization	linear		
Dimension Laserhead (W/H/L)	188 mm × 129 mm × 410 mm		
Dimension Power Supply	19 Inch Rack, 4 HU		
Operating Temperature	15 ... 35 °C		
Operating Voltage	110 ... 240 V, 50 ... 60 Hz		

Series CP460



8 mJ 1064 nm
5 mJ 532 nm
2,5 mJ 355 nm

- high peak power Q-switched DPSS- laser
- 1064 nm - 532 nm and 355 nm available
- compact, air cooled laser for micro and precision processing
TEM₀₀ beam quality
- short pulses - **5ns** - with mJ pulse energy
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation

Applications

- rapid prototyping
- wavelength sensitive processing
- micro-machining
- marking, structuring, trimming
- glass engraving

Model	CP460-1064	CP460-532	CP460-355
Wavelength	1064 nm	532 nm	355 nm
Power	8 W @ 1000 Hz	5 W @ 1000 Hz	2,5 W @ 1000 Hz
Pulse Repetition Rate	Single shot ... 1000 Hz		
Pulse Width	8 ns @ 1000 Hz	5 ns @ 1000 Hz	5 ns @ 1000 Hz
Pulse Energy	8 mJ @ 1000 Hz	5 mJ @ 1000 Hz	2,5 mJ @ 1000 Hz
Beam Quality	M ² < 1,6		
Polarization	linear		
Dimension Laserhead (W/H/L)	188 mm × 129 mm × 410 mm		
Dimension Power Supply	19 Inch Rack, 4 HU		
Operating Temperature	15 ... 35 °C (forced air cooling for laser head and power supply)		
Operating Voltage	110 ... 240 V, 50 ... 60 Hz		