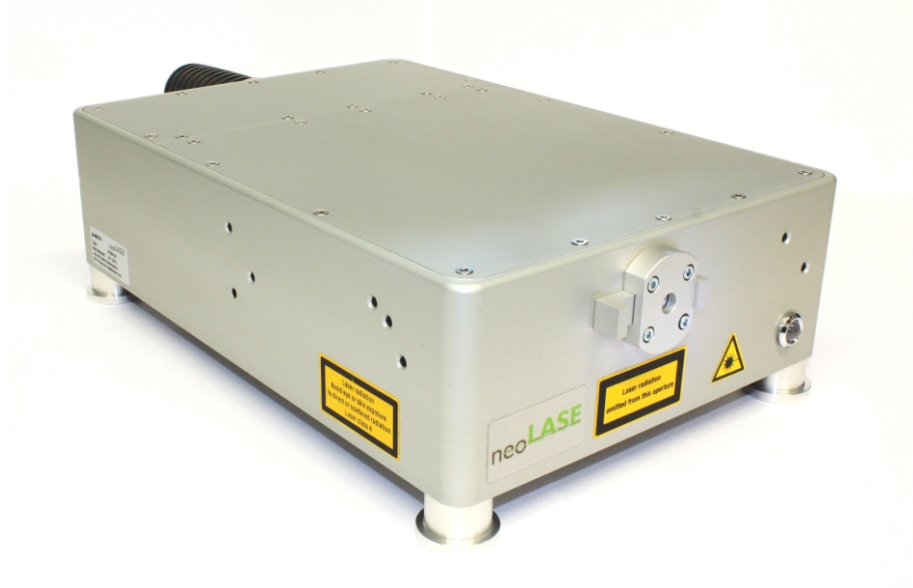


Industrial Picosecond MOPA

neoMOS
pico



1064 nm picosecond MOPA-Systems

Key features:

- flexible and customized MOPA Systems
- pulse duration 10-60 ps
- output power levels up to 30 W
- kHz - MHz repetition rates
- TEM_{0,0} beam quality
- high reliability

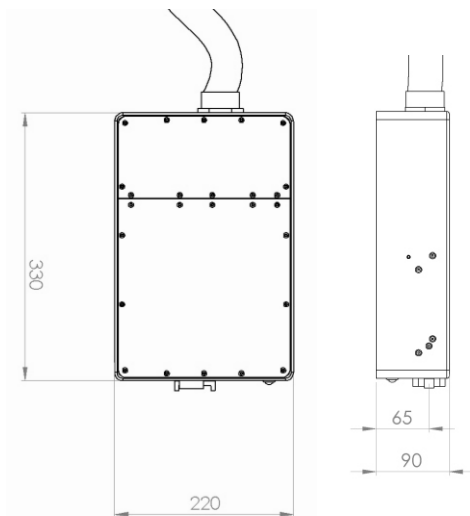
Picosecond MOPA-Systems

Examples of neoLASE picosecond MOPA Systems:

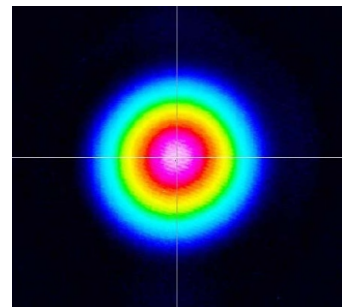
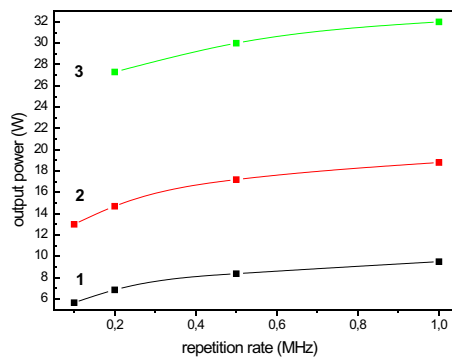
Seed Laser:	Fiber Oscillator	Laser Diode
Pulse duration:	15 ps	60 ps
Average Power:	5 / 15 / 25 W	
Repetition Rate:	Single shot to 40MHz including burst mode	Single shot to 80MHz free triggerable
Max Pulse Energy:	150 μ J @ 1064nm 60 μ J @ 532nm	50 μ J @ 1064nm 30 μ J @ 532nm
Beam Quality:	TEM _{0,0} M ² < 1,3 / > 85 % circularity	
Power noise:	< 1 % RMS @ 1064 nm	
Polarization Ratio:	> 100:1	
Warm-up time	< 30 min	
Laser Controller	19" Rackmount 6U	
Cooling	Water cooled	

The parameters are examples of standard system combinations, other parameters can be offered on request.

Dimensions Laser Head:



Typical Output Power and Beam Profile:



1. Basic Version
2. with one and 3. two additional amplifiers

Visit www.neoLASE.com or email info@neolase.com for more information on various MOPA-System

Notes: 1. Due to neoLASE continuous product improvement, all specifications are subject to change without notice.
2. Laser light emitted from this system is invisible and will be harmful to the human eye. Proper laser safety eyewear must be worn during operation.

