

## New Product Group

Master Oscillator Power Amplifier System based on our Diode-Pumped Passively Q-Switched Solid State Lasers with the following main features:

- Short Pulses (1 ns)
- External Triggering from Single Pulse up to highest Repetition Rate
- Two Product Groups: High Pulse Energy @ 1kHz and High Average Power @ 15 kHz
- Excellent Beam Quality
- 532nm, 355nm, 266nm
- High Pulse-to-Pulse Stability
- Good Output Energy Stability due to Internal Energy Monitoring System

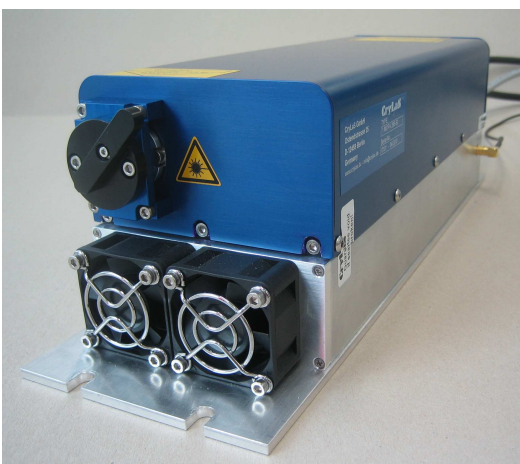
### Preliminary Specification

Laser Type	Average Power [mW]	Pulse Energy [ $\mu$ J]	Pulse Width ( $\pm$ 0.1 ns) [ns]	Repetition Rate [Hz]
	@ 1 kHz	@ 1 kHz		
<b>MOPA 266-50</b>	> 50	> 50	1.0	1 – 1,000
<b>MOPA 355-200</b>	> 200	> 200	1.1	
<b>MOPA 532-250</b>	> 250	> 250	1.2	
<b>MOPA 1064-650</b>	> 650	> 650	1.4	
	@ 15 kHz	@ 15 kHz		
<b>MOPA 266-200mW</b>	> 200	> 15	1.0	1 – 20,000
<b>MOPA 355-500mW</b>	> 500	> 35	1.1	
<b>MOPA 532-700mW</b>	> 700	> 48	1.2	
<b>MOPA 1064-2000mW</b>	> 2000	> 130	1.4	

Pulse-to-Pulse Stability [% rms]                      < 2%  
 Output Stability % (8hrs @ fixed rep.rate)             $\pm$  2%

### Mechanical dimensions:

Laser Head:                      101mm x 102mm x 283mm (H x W x L)  
 Stand Alone Unit:              180mm x 236mm x 316mm (H x W x L)



### Applications:

- LIBS at high repetition rate
- Precision machining
- PL
- TOF
- MALDI-TOF
- LIDAR
- Pumping of dye lasers, etc...