

# Merion C

Compact diode-pumped pulsed Nd: YAG laser



## MAIN FEATURES

- Compact and portable
- Sealed laser head
- Industrial design, built to last
- Superior beam profile up to 400 Hz
- Easy to integrate
- Plug and operate remotely
- Interchangeable laser head

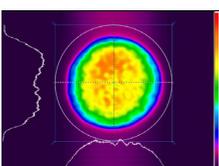
## MAIN APPLICATIONS

OPO PUMPING -  
PHOTOACOUSTIC IMAGING ·  
LIDAR · LIBS · TI:SA PUMPING ·  
ABLATION · PIV ·

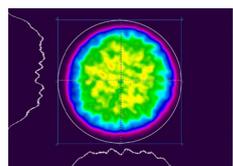
## SPECIFICATIONS

		MERION C - S4	MERION C - G4
Repetition rate		Up to 400 Hz	Up to 400 Hz
Energy per pulse (mJ)	1064 nm	100	100
	532 nm	50	50
	355 nm	30	30
Pulse duration (ns)	1064 nm	< 10	
Divergence (mrad)	1064 nm	< 5	< 1
Pulse-to-pulse stability (%)	1064 nm	< 0.5	
Cooling		water to air	
Dimensions in mm [inches] (HxLxW)	laser head	120.1 x 416.1 x 150.2 [4.73 x 16.38 x 5.91]	
	power supply	177.4 x 482.6 x 457.2 [6.99 x 19 x 18]	

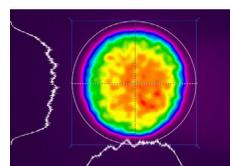
## Typical beam profiles



Near Field @1064 nm



Near Field @532 nm



Near Field @355 nm

[www.quantel-laser.com](http://www.quantel-laser.com)

Many options and configurations are available. Please contact Lumibird to find the best match for your needs and compatibility between options.



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