

Onda

ns Q-Switched DPSS laser



Features

Up to 0.8mJ pulse energy

@266nm @355nm @532nm @1064nm

2 to 10ns pulsewidth

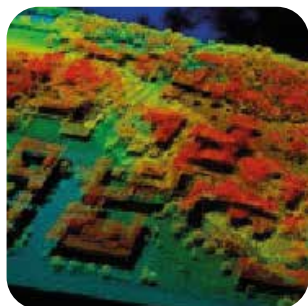
Single shot to 100kHz

MOPA configurations

Monolithic design

Air cooling

Low heat waste



Applications

Specialty marking

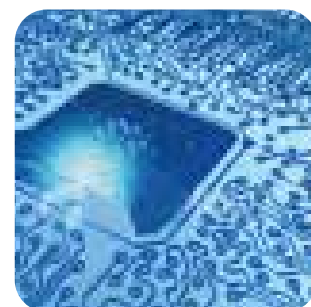
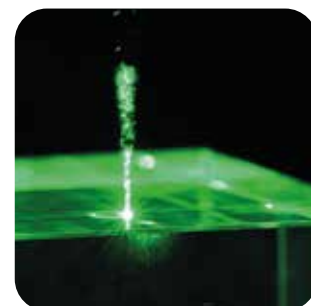
Micromachining of glass

Electronic manufacturing

LIDAR and bathymetry

Thin film removal

Hole drilling



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*Digital control box for simplified remote control

In the following table the main features of the standard configurations are presented.

Onda models	Onda 266nm	Onda 355nm	Onda 532nm	Onda 532nm Plus	Onda 1064nm
Primary wavelength	266 nm	355 nm	532 nm	532 nm	1064 nm
Max peak power	40 kW	75 kW	200 kW	300 kW	400 kW
Max pulse energy	80 μ J	150 μ J	400 μ J	800 μ J	800 μ J
Repetition rate	Single Shot to 50 kHz	Single Shot to 2 kHz	Single Shot to 100 kHz		
Pulsewidth	2 to 6 ns	< 3 ns	2 to 10 ns		
Polarization	Linear 100:1 (option:circular polarization)				
Beam quality (M^2)	< 1.5		< 1.5		
Cooling	Air-cooled (option: water cooling and contact cooling)				
DC Voltage IN	24 V				
Overall mechanical dimensions	36 x 10 x 9 cm ³ (15 x 4 x 4 in ³)		23 x 10 x 9 cm ³ (9 x 4 x 4 in ³)		
Total weight	< 7 kg (< 16 lbs)		< 4.5 kg (< 10 lbs)		

OPTIONS AVAILABLE:

Beam expanding and collimating optics * Fiber coupling * Low jitter option
 Extended operating temperature range * Pulse energy modulation * Circular polarization
 Monitoring photodiode * Red aiming beam * Remote control box and software interface
 AC-DC power supply * Higher energy MOPA configurations

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