

# Onda

ns Q-Switched DPSS laser



## Features

Up to 0.8mJ pulse energy

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

2 to 10ns pulsewidth

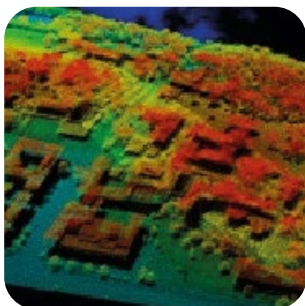
Single shot to 100kHz

MOPA configurations

Monolithic design

Air cooling

Low heat waste



## Applications

Specialty marking

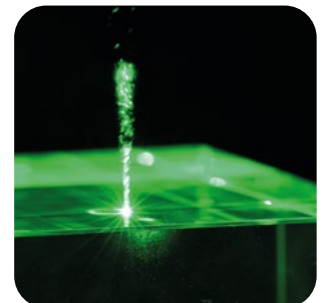
Micromachining of glass

Electronic manufacturing

LIDAR and bathymetry

Thin film removal

Hole drilling



# Onda

## ns Q-Switched DPSS laser



\*Digital control box for simplified remote control

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

	Onda models				
	Onda 266	Onda 355	Onda 532	Onda 532 Plus	Onda 1064
Primary wavelength	266 nm	355 nm	532 nm	532 nm	1064 nm
Max Peak Power	40 kW	50 kW	200 kW	300 kW	400 kW
Max Pulse Energy	80 uJ	150 uJ	400 uJ	800 uJ	800 uJ
Q-Switch Rep. Rate	Single Shot to 50 kHz	Single shot to 4 kHz	Single Shot to 100 kHz		
Pulsewidth	2 to 6 ns	< 3 ns	2 to 12 ns		
Polarization	Linear 100:1 (option: circular polarization)				
Beam quality (M <sup>2</sup> )	< 1.5				
Cooling	Air-cooled (option: water cooling and contact cooling)				
DC IN Voltage	24 V				
Overall mechanical dimensions	23 x 10 x 9 cm <sup>3</sup> (9 x 4 x 4 in <sup>3</sup> )				
Total weight	< 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

**Bright Solutions Srl**

Via Artigiani 27 27010 Cura Carpignano (Pv) Italy T (+39) 0382 583094

www.brightsolutions.it

sales@brightsolutions.it