Onda

ns Q-Switched DPSS laser

[L*]ProCareLight
Light, Laser and Safety Solutions

Features

Up to 1 mJ pulse energy

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

2 to 10ns pulsewidth

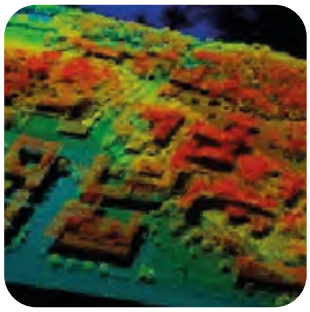
Single shot to 100kHz

Dual wavelenght models

Monolithic design

Air cooling

Low heat waste



Applications

Specialty marking

Micromachining of glass

Electronic manufacturing

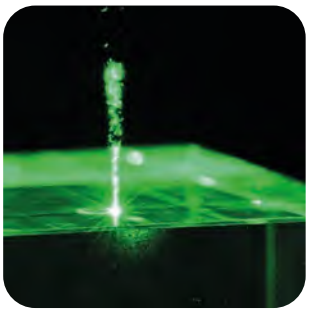
LIDAR and bathymetry

Thin film removal

Hole drilling

Medical

LIBS



BrightSolutions
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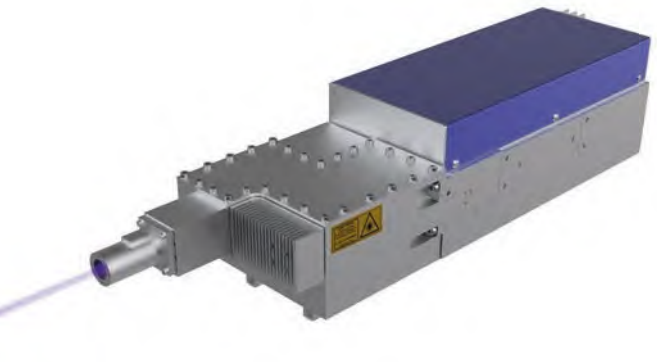
*Digital control box for simplified remote control

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

	Onda models						
	Onda 266	Onda 355	Onda 532	Onda 532 Plus	Onda HPP 532	Onda 1064	Onda HPP 1064
Primary wavelength	266 nm	355 nm	532 nm	532 nm	532 nm	1064 nm	1064 nm
Max Average Power	1 W	0.6 W	5 W	10 W	15 W	15 W	10 W
Max Pulse Energy	80 µJ	150 µJ	400 µJ	750 µJ	500 µJ	750 µJ	1 mJ
Q-Switch Rep. Rate	Fixed frequency from single shot to 50 kHz	Single shot to 5 kHz	Single shot to 100 kHz		30 to 100 kHz	Single shot to 100 kHz	Single shot to 10 kHz
Pulsewidth	2 to 6 ns	< 3 ns	2 to 10 ns	2 to 14 ns	5 to 12 ns	2 to 12 ns	1.5 to 3 ns
Max Peak Power	40 kW	90 kW	200 kW	350 kW	90 kW	350 kW	500 kW
Polarization	Linear 100:1						
Beam quality (M^2)	< 1.5				< 2	< 1.5	< 2
Cooling	Air-cooled (option: conductive or liquid)						
DC IN Voltage	24 V						



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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