

Microchip

Picosecond - Nanosecond
Pulsed Laser



Features

Down to 300 ps

1064 nm to 236.5 nm

Single shot to 100 kHz

Up to 80 uJ

Up to 50 kW

$M^2 < 1.3$

SLM



Applications

Oled

Micromachining

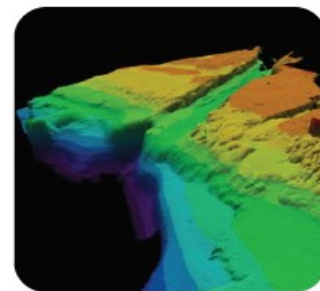
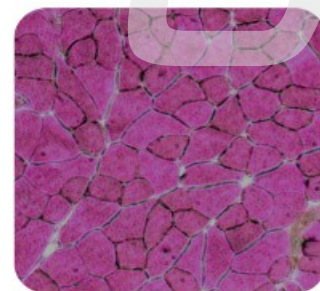
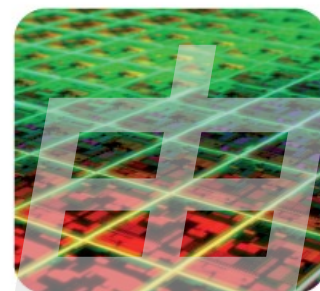
Biophotonics

Lidar, Telemetry

Laser manufacturing

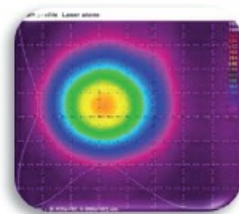
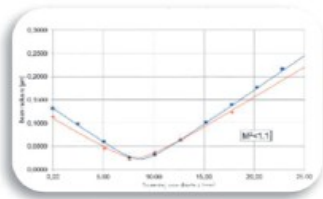
Non-linear optics, Spectroscopy, Raman

Holography



Microchip Lasers

	Nanoseconds		Picoseconds
Pulsewidth Ranges	< 2 ns	< 1.3 ns	< 400 ps
Pulse Energy	up to 35 μ J	up to 80 μ J	up to 2 μ J
Repetition Rates	up to 10 kHz	up to 15 kHz	up to 100 kHz
Output Peak Power	up to 20 kW	up to 50 kW	up to 5 kW
Package	SB1	SB1	SB1
Output Wavelengths	946, 473, 236.5 nm		1064, 532, 355, 266 nm
Beam quality (M^2)		< 1.3	
Electrical Requirements		12 V DC, < 20 W	
Size		65 x 54 x 28 mm ³	
Weight		< 0.2 kg	
Operating Temperature		+10 to +40 ^o C	
Storage Temperature		-20 to +60 ^o C	



OPTIONS AVAILABLE :

- Internal photodiode
- Beam Expanding and Collimating optics
- Circular Polarization
- Heat-Sink
- AC DC Power Supply
- Custom packaging

Bright Microlaser Srl

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