

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

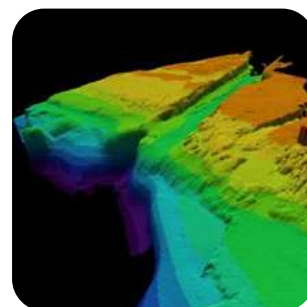
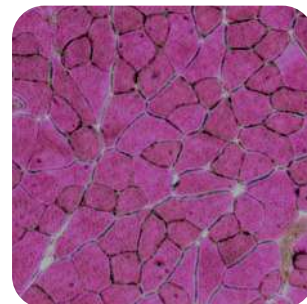
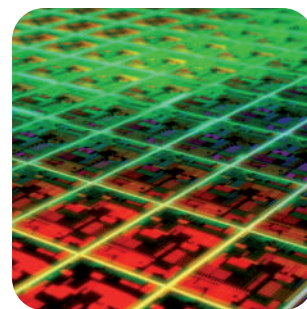
Biophotonics

Lidar, Telemetry

Laser manufacturing

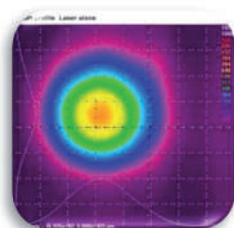
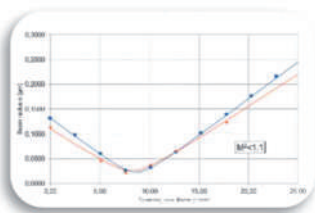
Non-linear optics, Spectroscopy, Raman

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 internal and external triggered	up to 100 kHz
Output Peak Power	up to 20 kW	up to 50 kW	up to 5 kW
Package	FP3, P4	FP3, P4	FP3, P4
Output Wavelengths	946, 473, 236.5 nm	1064, 532, 355, 266 nm	
Beam quality (M²)	< 1.3		
Electrical Requirements	12 to 28 V DC IN, < 25 W		
Size	FP3: 35x50x16 mm ³ P4: 39x60x19 mm ³		
Weight	FP3: < 0.15 kg P4: < 0.20 kg		
Operating Temperature	+10 to +40 °C		
Storage Temperature	-20 to +60 °C		



OPTIONS AVAILABLE :

- Monitoring photodiode
- Beam Expanding and Collimating optics
- Circular Polarization
- Heat-Sink
- Control Box Kit
- Custom packaging

Bright Microlaser Srl

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