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

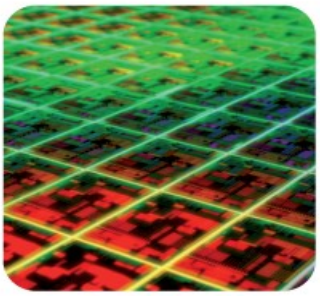
Biophotonics

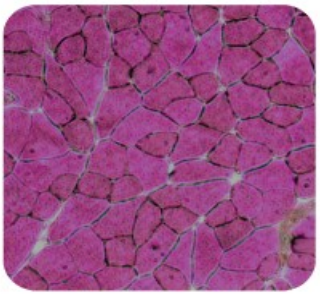
Lidar, Telemetry

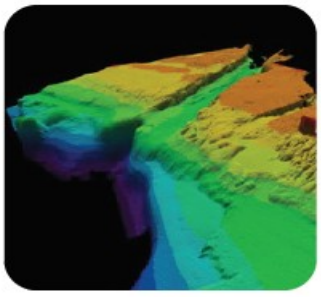
Laser manufacturing

Non-linear optics, Spectroscopy, Raman

Holography





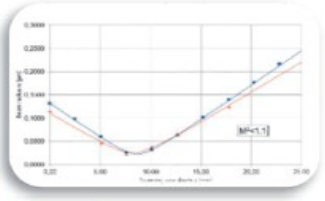


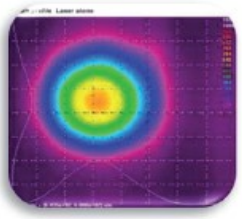
BrightMicrolaser

A BRIGHTSOLUTIONS COMPANY

Microchip
Lasers

	Nanoseconds		Picoseconds
Pulsewidth Ranges	< 2 ns	< 1.3 ns	< 400 ps
Pulse Energy	up to 35 uJ	up to 80 uJ	up to 2 uJ
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° C		
Storage Temperature	-20 to + 60° C		





OPTIONS AVAILABLE :

Internal photodiode

Beam Expanding and Collimating optics

Circular Polarization

Heat-Sink

AC DC Power Supply

Custom packaging