Microchip

Picosecond - Nanosecond Pulsed Laser

Features

Down to 400 ps

1064, 532, 355, 266 nm

946, 473, 236.5 nm

up to 60 kW peak power

up to 100 kW

up to 100 µJ

$M^2 < 1.3$

Applications

OLED

Micromachining

Biophotonics

LIDAR

Telemetry

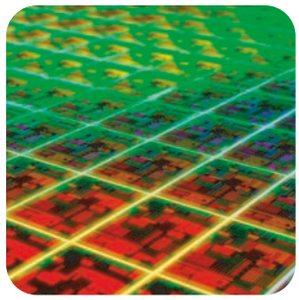
Laser manufacturing

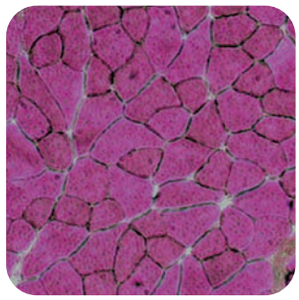
Non-linear optics

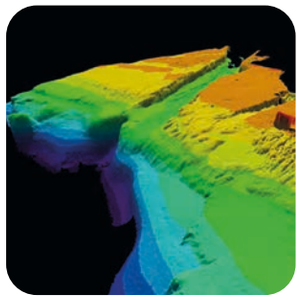
Spectroscopy

Raman

Holography



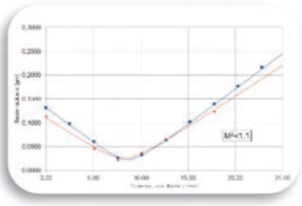


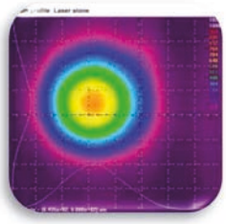


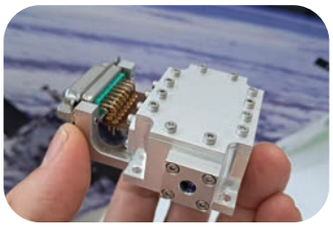
BrightSolutions
SOLUZIONI LASER INNOVATIVE

Microchip
Lasers

	Microchip models		
	Nanoseconds		Picoseconds
Pulsewidth ranges	< 2 ns	< 1.5 ns	< 400 ps
Pulse energy	**up to 35 µJ**	**up to 100 µJ**	**up to 2 µJ**
Repetition rate	up to 10 kHz (internal and external trigger)	up to 15 kHz (internal and external trigger)	up to 100 kHz (internal and external trigger)
Peak power	up to 20 kW	up to 60 kW	up to 5 kW
Package	SB1		
Output wavelengths	946, 473, 236.5 nm	1064, 532, 355, 266 nm	
Beam Quality (M^2)	< 1.3		
Size	54 x 65 x 28 mm^3		
Weight	< 200 g		
Electrical requirements	12 V DC		
Operating temperature	+10° to +40° C		







FP5 - custom package for space missions

OPTIONS AVAILABLE:

Monitoring photodiode

Beam Expanding and Collimating optics

Development kit

Heat-Sink

Quick start kit

Custom packaging

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