

Wedge 短脉冲调 Q DPSS 激光器

Wedge 系列激光器基于 bright solutions 公司专利的快速调 Q 技术。一体化，紧凑的设计，使其具有良好的抗震性，能适应恶劣的外部环境，非常适用于微加工，打标，玻璃内雕，激光雷达，LIBS，光谱分析与医学诊断等领域。

其中 Wedge HB 单脉冲能量可达 4 mJ，峰值功率高达 4MW，脉宽仅 1ns，**高**峰值功率，**低**功耗和**热**效应的特点**非常**适合**玻璃内雕等工业应用**。Wedge-HF 和 Wedge-XF 目前提供一款非常紧凑的，尺寸仅 8x9x19cm，重频可达 100kHz,脉宽小于 500ps，**紧凑轻便的设计**使之**能满足航空和激光雷达的应用**。**短脉宽**能实现**精确测量**。



产品特点

单脉冲能量高，可达 4mJ;

峰值功率高，可达 4MW;

脉宽 500ps-3ns

重复频率达到 100kHz;

1064nm, 532nm, 355nm;

全风冷结构

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指标参数

Models	Wedge HB 1064	Wedge HB 532	Wedge XB 1064	Wedge XB 532
Pulse Energy	2mJ	1mJ	4mJ	2mJ
Wavelength	1064nm	532nm	1064nm	532nm
Pulsewidth	<1.5ns			
Peak Power	Up to 2MW	Up to 1MW	Up to 4MW	Up to 2MW
Q-Switch Repetition Rate	Single shot to 2kHz		Single shot to 1kHz	
Footprint & Weight	26 x 22 x 8 cm - 7 kg		26 x 25 x 10 cm - 10 kg	
Polarization	Linear 100:1(option : circular polarization)			
Beam Quality(M2)	<2			
Cooling	Air-cooled with thermostatic fan			
Footprint & Weight	26 x 22 x 8 cm - 8.5 kg		26 x 25 x 10 cm - 10 kg	

Models	Wedge HF 1064	Wedge HF 532	Wedge XF 1064	Wedge XF 532
Average Output power	4W	1.5W	1W	0.5W
Wavelength	1064nm	532nm	1064nm	532nm
Pulsewidth	<700ps to 3ns		<500ps to 1ns	
Pulse Energy	40uJ to 180uJ	15uJ to 80uJ	7uJ to 70uJ	3uJ to 30uJ
Peak Power	Up to 250kW	Up to 100kW	Up to 140kW	Up to 60kW
Q-Switch Repetition Rate	10kHz to 100kHz(option: single shot to 10kHz)			
Polarization	Linear 100:1(option: circular polarization)			
Beam Quality(M2)	<1.5		<1.3	
Cooling	Air-cooled with thermostatic fan			
Footprint & Weight	8 x 9 x 19 cm - 2 kg			

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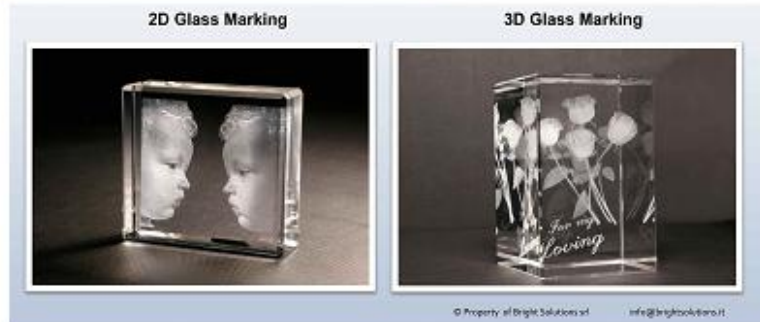
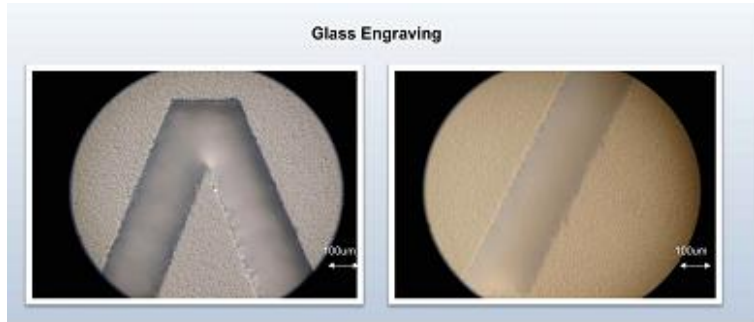
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应用领域

玻璃内雕和硬质材料微加工 特殊打标 薄膜去除 激光雷达

非线性光谱 可见光到红外 OPO 泵浦 太赫兹产生



Special marking
on sensitive material



Surface engraving on glass



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