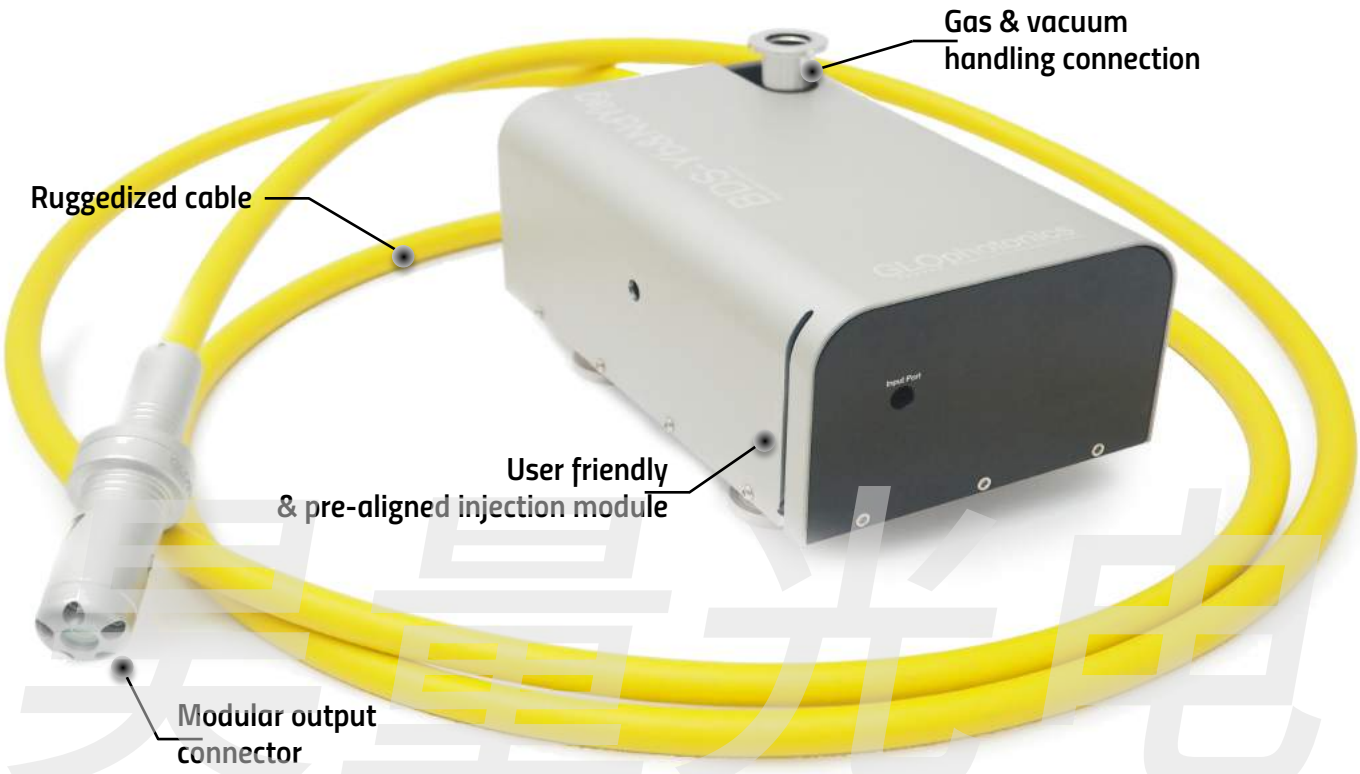
BEAM DELIVERY SYSTEM

FOR HIGH POWER ULTRA-FAST LASERS AT MOST COMMON WAVELENGTHS



- Available in wavelengths 532nm, 800nm, 1064nm, 1.5µm , 2µm
- Ultra-short pulse lasers – High peak power
- Low loss – Low distortion
- Nearly single mode

Applications

Micromachining

Surgery

Biomedical

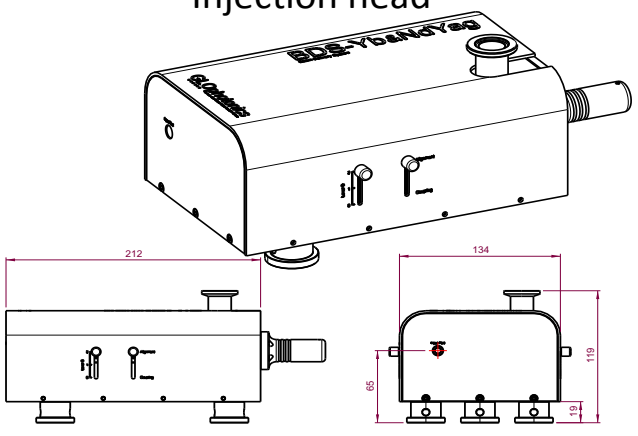
Optical Properties	Green	Ti:Saph	Yb&NdYag	Er	2 μm
Working wavelength	515nm/532nm	780nm/800nm	1030nm/1064nm	1550nm	2μm
Transmission band** **Attenuation lower than 100dB/km	200nm	100nm	300nm	400nm	>350nm
Transmission efficiency	>85%				
Dispersion @ Working wavelength	1ps/nm.km±0.5				
Input beam requirement	3mm±0.2				
Output beam quality	M^2<1.3				
Max input power	50W				
Max energy for sub-pico pulses	<500μJ*				
Bend loss @ 20cm bend radius	<1dB				

Physical Properties	Green, Ti:Saph, Yb&NdYag, Er, 2 μm
Fiber length**	2m, 3m, 5m
Gas/Vacuum connection	KF16
Fiber protection**	13mm armored PU tube
Min. bend radius	20cm
Output**	Sealed round cell compatible with optional collimation

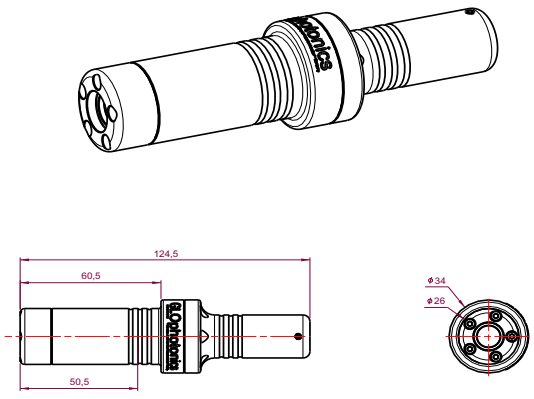
*Higher energy avail. upon request
**Others upon request

All specifications may be changed without notice

Injection head



Output connector



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