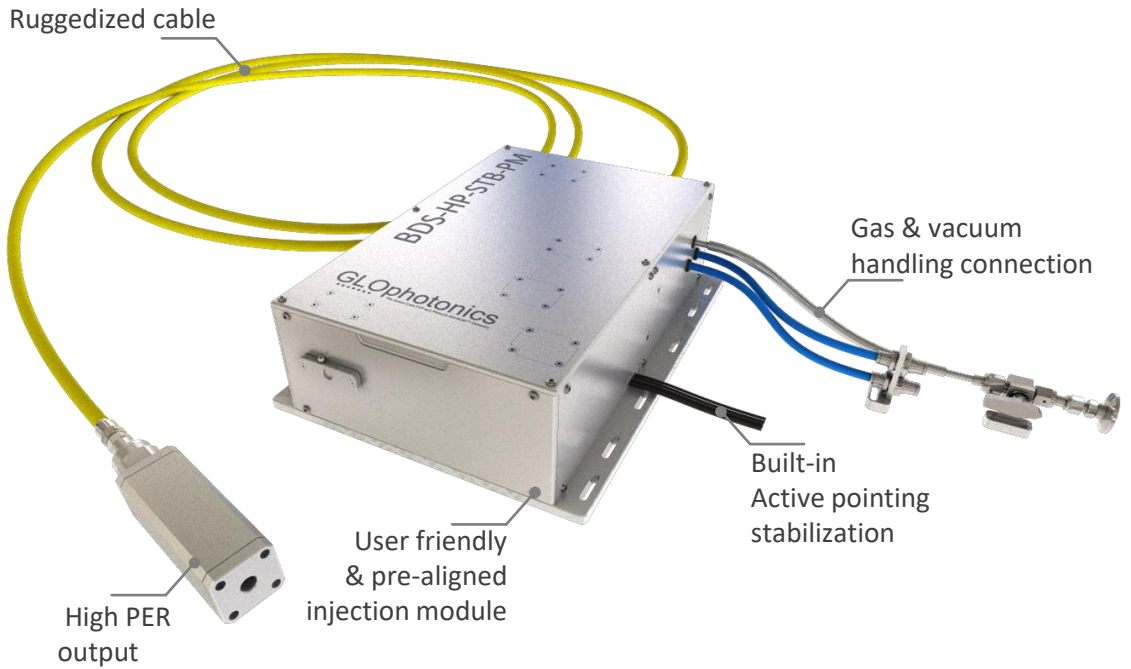




BEAM DELIVERY SYSTEM HP-STB-PM

FOR HIGH POWER ULTRA-FAST LASERS AND POLARIZATION SENSITIVE APPLICATION



Take care of your laser pointing stability

Ultra-short pulse lasers – High peak power

High beam quality

Stable polarization under motion

Micromachining



Surgery



Biomedical



USP LASER Requirements

Working wavelength (nm) ⁽¹⁾	1030/1064
Beam quality (M ²)	< 1.2
Beam pointing (μrad)	< 200
Max input power (W) ⁽²⁾	50 ⁽²⁾
Max energy for sub-pico pulses ⁽²⁾	< 200μJ
Pulse duration	CW to 100 fs ⁽¹⁾

BDS Output Specifications

Transmission efficiency	> 85%		
Beam quality (M ²)	< 1.3		
Power stability ⁽³⁾	Static regime	< 2%	Motion regime
Beam pointing stability		< 2%	
Polarization PER (dB)		> 30	
PER stability		< 1%	
			< 3%
			< 5%
			> 30
			< 1%

Physical Properties

Footprint (L x W x H) (mm)	425 x 320 x 140
Fiber length (m) ⁽¹⁾	2, 3, 5
Gas/Vacuum connection	KF16
Water cooling connection	8mm push-in
Fiber protection ⁽¹⁾	13mm / 6.4mm / 5mm armored PU tube
Cable min. bending radius (cm)	5

(1) Other upon request

(2) With respect of input beam specification and installation requirement

