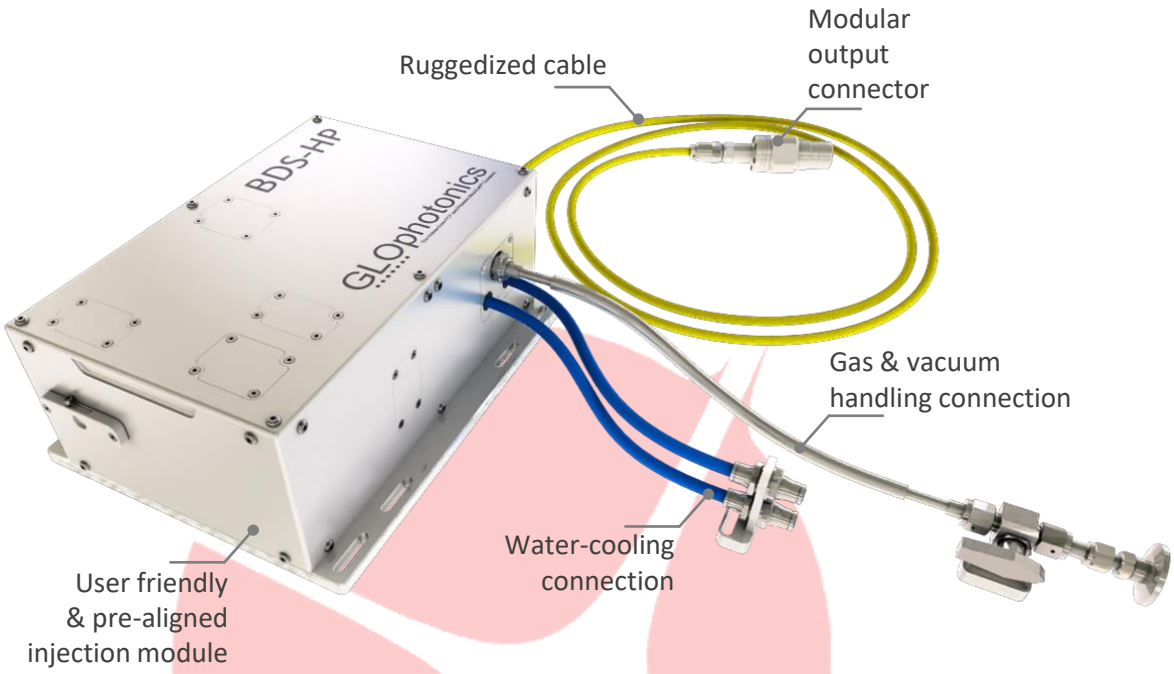
西诺光学
XINUO PHOTONICS

BEAM DELIVERY SYSTEM HP

FOR HIGH POWER ULTRA-FAST LASERS AT MOST COMMON WAVELENGTHS



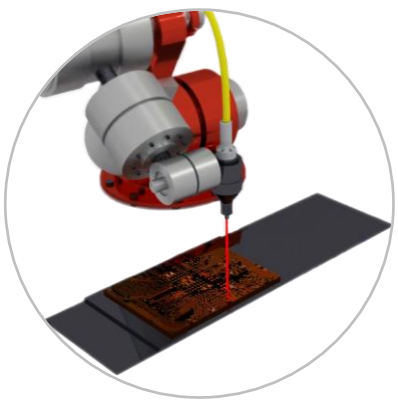
Available in wavelengths 532nm, 800nm, 1030nm, 1.5µm , 2µm

Ultra-short pulse lasers – High peak power

Low loss – Low pulse distortion

Nearly single mode

Micromachining



Surgery

Biomedical

18616772132 021-62486110 christy.wang@xinuo-photonics.cn www.xinuo-photonics.cn

USP LASER Requirements

Working wavelength (1)	515-532nm	780-800nm	1030/1064nm	1550nm	2µm
Beam quality (M^2)	< 1.2				
Beam pointing (µrad)	< 5				
Max input power (W)	50 (2)				
Max energy for sub-pico pulses (2)	< 50µJ	< 100µJ	< 200µJ	< 200µJ	< 100µJ
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	NA
Beam pointing stability (3)		< 2%		NA
Polarization PER (dB) (3)		> 14		NA
PER stability (3)		< 1%		NA

Physical Properties

Footprint (L x W x H) (mm)	300 x 240 x 124
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
Output (1)	Sealed round cell compatible with optional collimation

(1) Other upon request
(2) With respect of input beam specification and installation requirement
(3) Specification valid for 1030nm, contact us for other wavelength