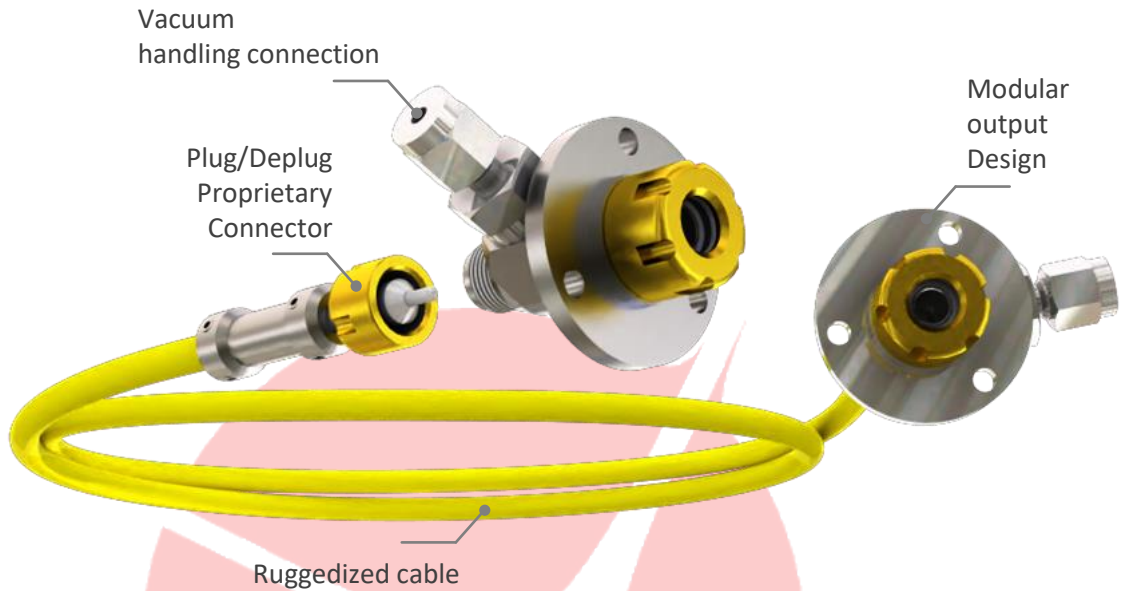


BEAM DELIVERY PATCHCORD

FOR ULTRA-FAST LASERS / EASY SYSTEM INTEGRATION



Plug / Unplug Design

Ultra-short pulse lasers – High peak power

Low loss – Low pulse distortion

High beam quality

Micromachining



Surgery



Biomedical



USP LASER Requirements

Wavelength (nm) ⁽¹⁾	1030/1064
Energy (μJ) ⁽¹⁾	< 50
Beam quality (M^2)	< 1.3 ⁽²⁾
Average power (W)	< 10 ⁽¹⁾
Beam pointing (μrad) ⁽³⁾	< 5
Pulse duration	CW to 50 fs ⁽¹⁾

BDP Output Specifications

Transmission efficiency	> 85%			
Plug / Unplug transmission change	< 5%			
Power stability	Static regime	< 2%	Motion regime	NA
Beam pointing stability		< 2%		NA
Polarization PER (dB)		> 14		NA
PER stability		< 1%		NA

Physical Properties

Footprint (mm)	$\varnothing 40 \times 93$
Fiber length (m) ⁽¹⁾	2, 3, 5
Gas/Vacuum connection	Compression fitting 1/8"
Water cooling connection	NA
Fiber protection	6.7mm armored PU cable ⁽¹⁾
Cable min. bending radius (cm)	5
Output	Sealed cell

(1) Other upon request

(2) Higher M^2 can be handled in specific conditions. Contact us for details

(3) The angle specification is set for 1 m distance between the laser and the fiber tip