

bright.

A game-changer for simplifying multi-photon microscopy



FemtoFiber ultra FD

Femtosecond fiber laser with fiber delivery

- No mirror alignment, no power meter, just automated fiber coupling
- Safeguard monitor to make misalignment an impossibility
- Based on TOPTICA's proprietary COOL technology

learn more...



www.toptica.com/fiberdelivery

FemtoFiber ultra FD



DANGER – VISIBLE AND INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN60825-1:2014

Specifications			
Center wavelength	780 nm	920 nm	1050 nm
Pulse duration	< 170 fs	< 130 fs	< 130 fs
Average output power after fiber [w. AOM]	> 0.5 W	> 0.5 W (typ. 0.6 W)	> 0.7 W (typ. 0.8 W)
Repetition rate	80 MHz		
Motorized dispersion precompensation (GDD)	-20,000 .. +1,000 fs ²		
Integrated power control (AOM)	bandwidth > 1 MHz, input impedance 1 kΩ		
Linear polarization	> 90 %, axis not aligned		
Fiber output connector	FC/APC		
Fiber cable length (max.)	2 m		
Fiber cable type	stainless steel reinforced		
Dimensions laser head	76 x 165 x 465 mm ³ (excl. feet)		
Options	FiberDock for collimation with max 3 mm beam size (1/e ²)		

