

mini2p.

Simplifying Mini2P microscopy with stress-less femtosecond lasers



FemtoFiber ultra Mini2P

Femtosecond fiber laser for
miniaturized microscopes

- No mirror alignment, just automated fiber coupling
- Simple fiber exchange with safeguard monitor
to make misalignment an impossibility
- Clean Pulse Technology

learn more ...



www.toptica.com/mini2p

FemtoFiber ultra Mini2P



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	920 nm
Pulse duration	< 150 fs (typ. < 130 fs)
Average output power after fiber [with AOM]	> 150 mW (higher upon request)
Repetition rate	80 MHz
Motorized dispersion precompensation (GDD)	- 30.000 to +20.000 fs ²
Integrated power control (AOM)	Bandwidth > 1 MHz, input impedance 1 kΩ
Linear polarization	> 90 %, axis not aligned
Fiber input connector	FC/PC
Fiber output connector	Mini2P-specific collimator
Fiber cable length (max.)	~ 2 m
Fiber cable type	Thin jacket
Dimensions laser head	77 x 165 x 475 mm ³ (excl. feet)
Dimensions laser control unit	140 x 483 x 534 mm ³ (with handles)
Power supply	110 to 240 V AC
Power consumption	< 250 W (typ. < 150 W)
PC interface	Ethernet, USB
Communication protocol and control options	Graphical User Interface (GUI), TOPTICA Python Laser SDK, Device Control Protocol (DeCoP)
Environment temperature	19 .. 25 °C (operating), 18 .. 28 °C (extended operating, not all specs guaranteed), 0 .. 40 °C (storage)
Environment humidity	< 60 %, non-condensing with dew point at < 19 °C

