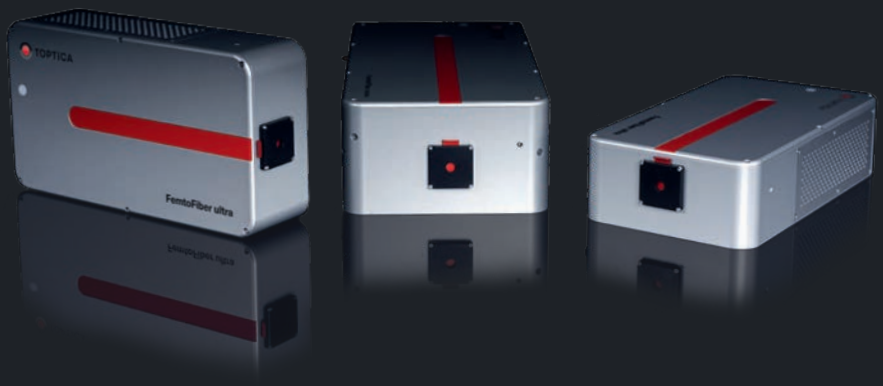
nobrainer.



Lasers for Neuroscience

Perfect solution for
2-Photon Microscopy and Optogenetics

FemtoFiber ultra 920 & 1050, FemtoFiber vario 1030 HP

- Fully turn-key with integrated AOM and GDD
- No noise-stress for animals thanks to fully air-cooled design
- Compact laser design saving valuable table space
- Low cost of ownership using robust & reliable fiber-laser technology

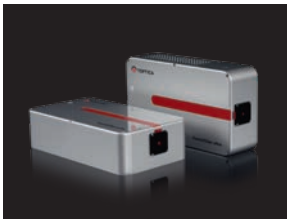
learn more...

TOPTICA

www.toptica.com/lasers4neuroscience

Lasers for Neuroscience

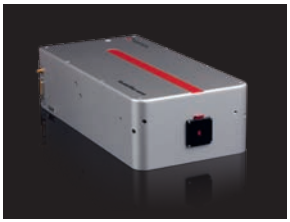
DANGER – INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN60825-1:2014



FemtoFiber ultra 920 & 1050 for 2-Photon Microscopy

- Fully turn-key with integrated AOM and GDD
- No noise-stress for animals thanks to fully air-cooled design
- Brighter images with clean temporal pulse shape
- Compact laser design saving valuable table space
- Low cost of ownership using robust & reliable fiber-laser technology

Laser Specifications*	FemtoFiber ultra 920	FemtoFiber ultra 1050
Center wavelength [nm]	920 nm	1050 nm
Pulse duration [fs]	< 100 fs	
Average output power [W]	> 1.5 W	> 5 W
Repetition rate	80 MHz	
Dispersion compensation range	-40 000 .. +1000 fs^2	
Integrated power control (optional)	> 1 MHz AOM modulation bandwidth	



FemtoFiber vario 1030 HP for 2-Photon Optogenetics

- Excite more than 200 neurons simultaneously
- Fully turn-key with integrated AOM and GDD
- No noise-stress for animals thanks to fully air-cooled design
- Compact laser design saving valuable table space
- Low cost of ownership using robust & reliable fiber-laser technology

Laser Specifications*	FemtoFiber vario 1030 HP
Center wavelength [nm]	1030 nm
Pulse duration [fs]	< 300 fs (typ. 250 fs)
Average output power [W]	> 8 W
Repetition rate	0.02 .. 10 MHz (tunable)
Dispersion compensation range	-40 000 .. +1000 fs^2
Integrated power control	> 1 MHz AOM modulation bandwidth

*) Subject to change without notice