

FSP series laser

Femtosecond fiber laser for biophotonics 1045 nm, <90 fs, 15 MHz, 1.5 W



Integrated Fiber Optics offers compact telecom grade femtosecond lasers designed for multiphoton microscopy and other biophotonics applications. These models generate pulses with peak power unmatched in the market



Temporally and spectrally clean pulses High optical peak power Turn-key operation

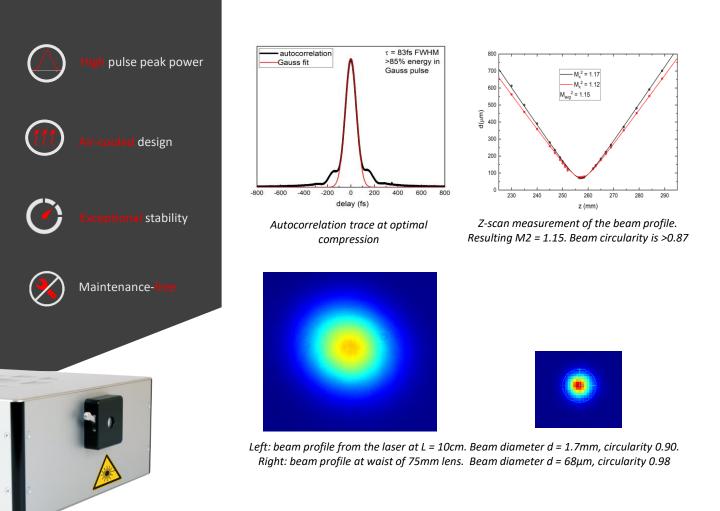


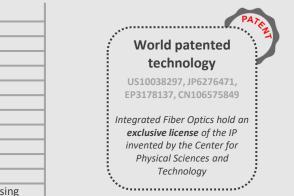
Multiphoton microscopy Nonlinear and time-resolved spectroscopy Photopolymerization Pumping OPO/OPA



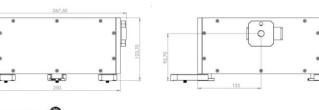
The generator within this femtosecond laser does not contain any critical components such as SESAM. The key advantage of this product is that it has zero consumable parts and is exceptionally robust to the environmental disturbances, like vibration and temperature changes. It can operate under normal, zero and anomalous dispersion conditions.

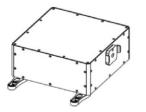




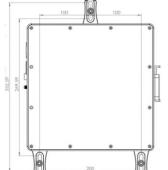


	Model
	FSP-2
Central wavelength	1045 nm
Pulse duration	<90 fs (70 fs typ.)
Dispersion compensation	±10'000 fs ²
Typical spectral bandwidth (FWHM)	35 nm
Pulse repetition rate	15 MHz
Average power	>1.5 W
Max pulse energy	>100 nJ
Peak power	1 MW
Beam quality	M ² <1.2
Beam circularity	>0.9
Operating conditions	15-35 °C, humidity - not condensing









Note: All dimensions are in millimeters.



New Industrial Standard in **Ultrafast Lasers**