



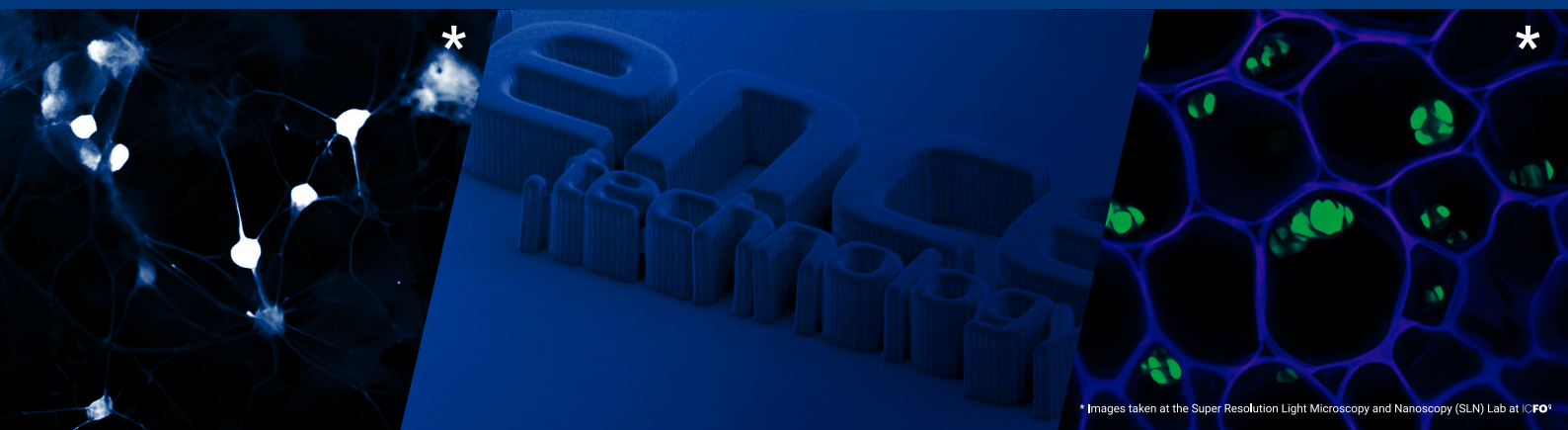
**NEW!**  
**< 100 fs**

# Halite 2

All-Fiber Amplified Femtosecond Oscillator

## Femtosecond fiber lasers superior lifetime & performance

Halite 2 is a compact, single-box, all-fiber femtosecond laser, specifically designed to meet the most demanding applications in the field of neuroscience, biophotonics, microscopy, and engineering. With pulses as short as  $< 250$  fs ( $< 100$  fs optional), average power over 2 W at 1030 nm, and the option of second harmonic at 515 nm, it is an irreplaceable tool in every lab that needs a reliable, turn-key, ultrafast light source. Thanks to its unique construction and SESAM-free technology it is a cost-effective solution that provides high pulse energy (over 100 nJ) with an excellent beam quality. Halite's industrial design enables easy integration with both experimental and commercial systems.



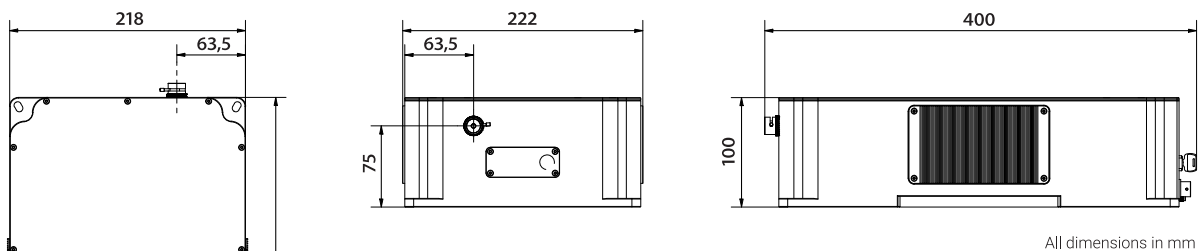
### Technical specification:

Maximum average power	> 2 W @ 1030 nm
Maximum pulse energy	> 100 nJ @ 1030 nm
System base repetition rate	20 ± 2.5 MHz
Pulse duration FWHM	< 250 fs (< 100 fs optional)
Wavelength	1030 ± 5 nm (515 nm integrated green output option available)
Standard GDD precompensation	from -10 000 up to 50 000 fs <sup>2</sup> , factory preset
Computer-controlled motorized GDD precompensation tuning	Optional
Laser control software	Included
Cooling	Air-cooled

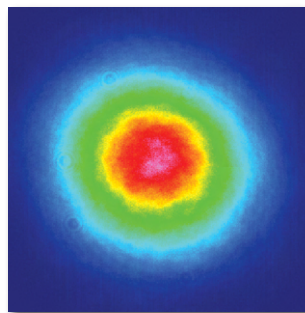
**Not exactly what you are looking for?  
Get in touch with us and let us help you out.**

### Physical specification:

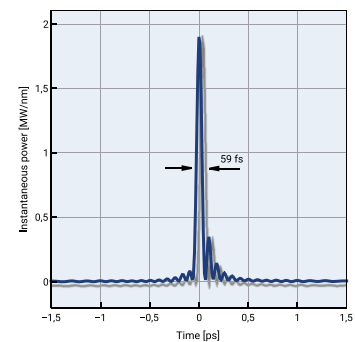
Size	370 (L) x 222 (W) x 100 (H) mm <sup>3</sup>
Weight	9 kg
Electrical	100 - 240 VAC, 50 - 60 Hz, 80 W adapter power rating
Operating temperature	20 - 28 °C
Operating humidity	Non-condensing



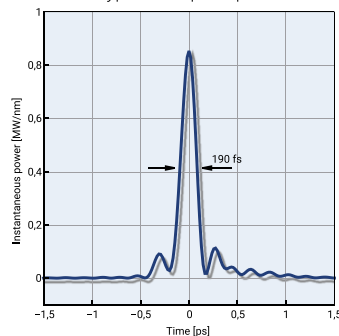
Typical beam profile



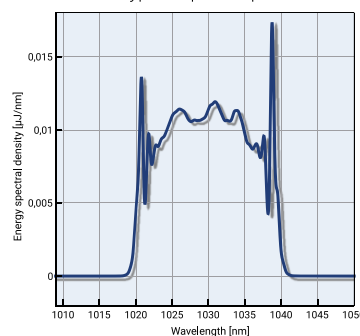
Typical temporal profile (Short Pulse option)



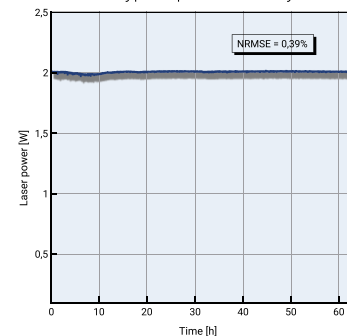
Typical temporal profile



Typical spectral profile



Typical power stability



All specifications are subject to change without prior notice due to continuous improvements.