



**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.



# Femtosecond fiber lasers superior lifetime & performance

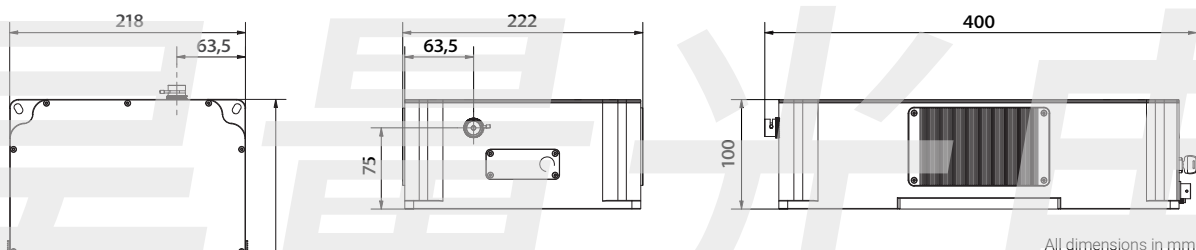
## Technical specification:

|  | Halite 2   | Halite 2 - SHG               |
|--|--|------------------------------|
| Wavelength   | 1030 ± 5 nm  | 515 ± 2.5 nm                 |
| Maximum average power                                    | > 2 W  | > 500 mW                     |
| Maximum pulse energy                                     | > 100 nJ   | > 25 nJ                      |
| System base repetition rate                              | 20 ± 2.5 MHz   | 20 ± 2.5 MHz                 |
| Pulse duration   | < 250 fs FWHM (< 100 fs optional)                          | < 230 fs (< 200 fs typical)  |
| Standard GDD precompensation                             | from -50 000 up to 10 000 fs <sup>2</sup> , factory preset | fixed at 0 fs <sup>2</sup>   |
| Computer-controlled motorized GDD precompensation tuning | Optional   | GDD tuning not yet available |
| Laser control software                                   | Included   | Included                     |

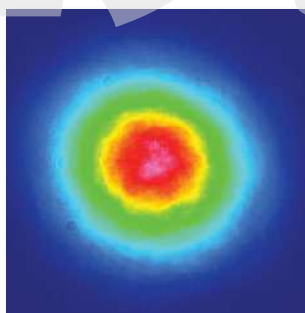
**Not exactly what you are looking for?  
Get in touch with us and let us help you out.**

## Physical specification:

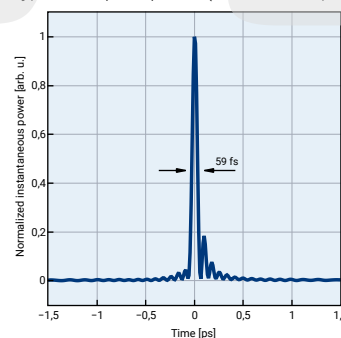
| Size                  | 370 (L) x 222 (W) x 100 (H) mm <sup>3</sup>          | 370 (L) x 222 (W) x 100 (H) mm <sup>3</sup>          |
|-----------------------|--|--|
| Weight                | 9 kg   | 9 kg   |
| Electrical            | 100 - 240 VAC, 50 - 60 Hz, 80 W adapter power rating | 100 - 240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



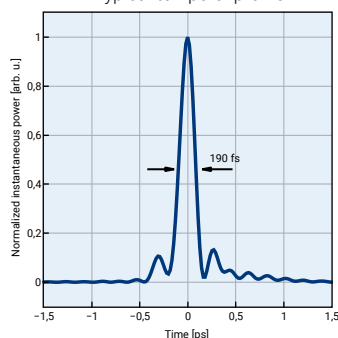
Typical beam profile



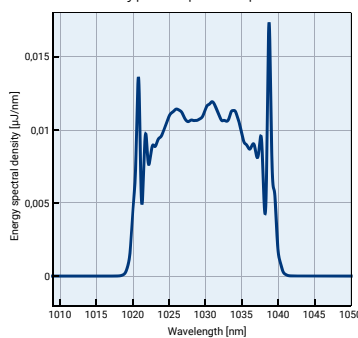
Typical temporal profile (Short Pulse option)



Typical temporal profile



Typical spectral profile



Typical power stability

