

New



# Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

## Halite

Truly All-Fiber Amplified Femtosecond Oscillator



Halite 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 **< 180 fs**, average power up to 2 W at 1030 nm and 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 (up to **100 nJ**) with an excellent beam quality. Halite's industrial design facilitates easy integration with both experimental and commercial systems.

**Technical specification:**

	Halite 1	Halite 2
Maximum average power	>700 mW	>2 W
Pulse duration	<200 fs (<170 fs option available) with standard GDD precompensation from 10.000 down to -100.000 fs <sup>2</sup> *	<250 fs (FWHM)
Maximum pulse energy	>35 nJ	>100 nJ
System base repetition rate	20 ± 2 MHz	
Polarization	Linear, vertical	
Central wavelength	1030 ± 5 nm	
Optional wavelength outputs	515 nm, 343 nm, 258 nm	
Beam quality (M <sup>2</sup> )	<1.2	
Power supply	Standard 24 V	
Laser control software included		

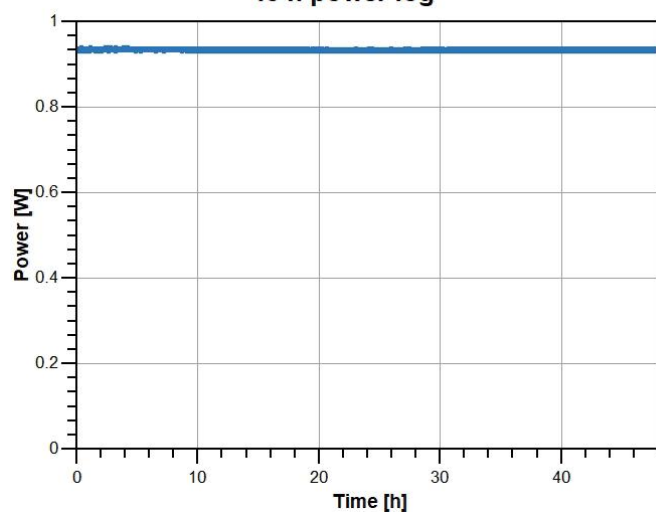
\*Optional computer controlled GDD precompensation tuning 10.000 to -50.000 fs<sup>2</sup>

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

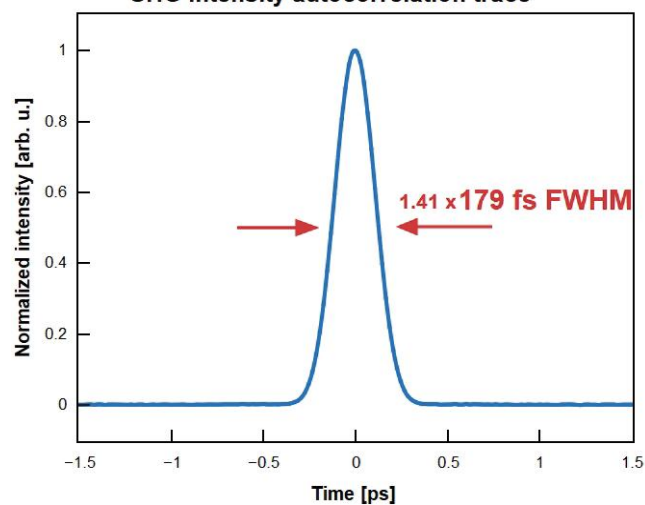
**Physical specification:**

Size	350 (L) x 230 (W) x 60 (H) mm <sup>3</sup>
Weight	3 kg
Electrical	100-240 V AC, 50-60 Hz, <50 W
Operating temperature	15-35 °C
Operating humidity	Non-condensing

**48 h power log**



**SHG intensity autocorrelation trace**



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