

Nanosecond high-energy mid-infrared laser

- Matched to vibrational stretch of water
- Pulse duration optimized for tissue modification with minimal collateral damage
- High pulse energy and peak power
- Compact
- All-in-one
- Turn-key 24/7 operation
- Easy to integrate



Specifications

Optical

Center wavelength	2820 ± 30 nm
Pulse duration ^a	< 2.5ns
Pulse energy	> 600 µJ
Pulse repetition rate ^b	< 1.5 kHz
Peak power	> 250 kW
Average power	> 900 mW
Beam quality, M ²	< 5
Polarization	random

a) longer pulses available

b) externally triggerable

Cooling

Water-cooling	
Warm-up time	< 10 min
Operation temperature	15 – 35 °C
Storage temperature	-20 – 55 °C

Electrical

24 VDC / 15 A or 90 – 264 VAC, 47 – 63 Hz

Mechanical

Dimensions	400 x 350 x 71 mm ³
Weight	12 kg
3-point low-stress through-hole mounting accessible from top	

Applications

Medical
Dental
Aesthetics
Environmental sensing
Scientific

