

Glucoloop Baobab

Cold-ablation 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 device
- Visible pilot laser included
- Turn-key 24/7 operation
- Easy to integrate



Specifications

Optical

Center wavelength	$2720 \pm 10 \text{ nm}$
Pulse duration ^a	< 3 ns
Pulse energy	> 1.3 mJ
Pulse repetition rate ^b	< 1.5 kHz
Peak power	> 500 kW
Average power	> 2 W
Beam quality, M^2	< 7
Polarization	unpolarized
Fast amplitude control and gating	

a) longer pulses available

b) triggerable externally or from internal clock

Cooling

Forced air-cooling	
Warm-up time	< 15 min
Operation temperature	15 – 32 °C
Storage temperature	-20 – 55 °C

Electrical

24 VDC / 12 A or 90 – 264 VAC, 47 – 63 Hz

Mechanical

Dimensions	420 x 264 x 89 mm ³
Weight	17 kg
3-point low-stress through-hole mounting accessible from top	

Options

Fiber delivery
Purging system

Applications Medical / Dental / Aesthetics / Environmental sensing / Mass spectrometry



Glucoloop AG
+41 31 503 58 98

www.glucoloop.com
info@glucoloop.com

Zürich
Switzerland

