

dOne™

SURGERY DIODE LASER

1940NM

TECHNISCHE DATEN

Laser type	Galium Aluminum Arsenide (GaAlAs) Diode
Operating mode	Continuous and pulse
Wavelength	1940 ± 30nm
Max. Output power	6 ± 0.6W
Wavelength (display)	650 ± 20 nm
Max. Indication power	< 2 mW
Measurement uncertainty for output power	≤ ±10%
Amounts of cumulative measurement uncertainty	≤ ±20%
Expected increase of measured quantities	≤ ±10%
Pulse duration	10ms-60000 ms
Pulse spacing	10ms-60000 ms
Transmission system	≥ 360µm
NOHD	0,54m
Laser system	Class IV
Fiber	Quartz
Timer	0-3600s
Input parameters	100-240 VAC, 50/60Hz
Isolation	Class I, Type B Applied part
Cooling Method	Air cooling. Closed circuit, liquid filled, heat pipe heat transfer system with fan/air support.
Weight/Dimensions	≤ 8KG NW/ 400 x 370 x 260 mm.
Validity period	5 years
Numerical aperture	(NA) 0.22
Divergence angle	26°
Degree of watertightness	IPX0

- User-friendly Design
- CW Mode, Pulse Mode
- Intuitive Parameter Setting
- Simple Touch-Display



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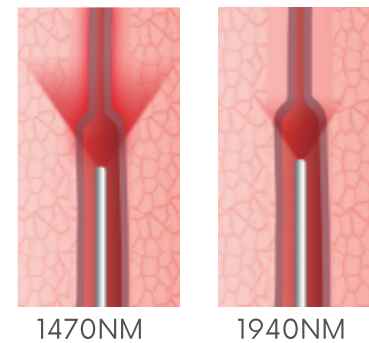


QUALITY AND SAFETY FOR GENTLE VEIN THERAPY



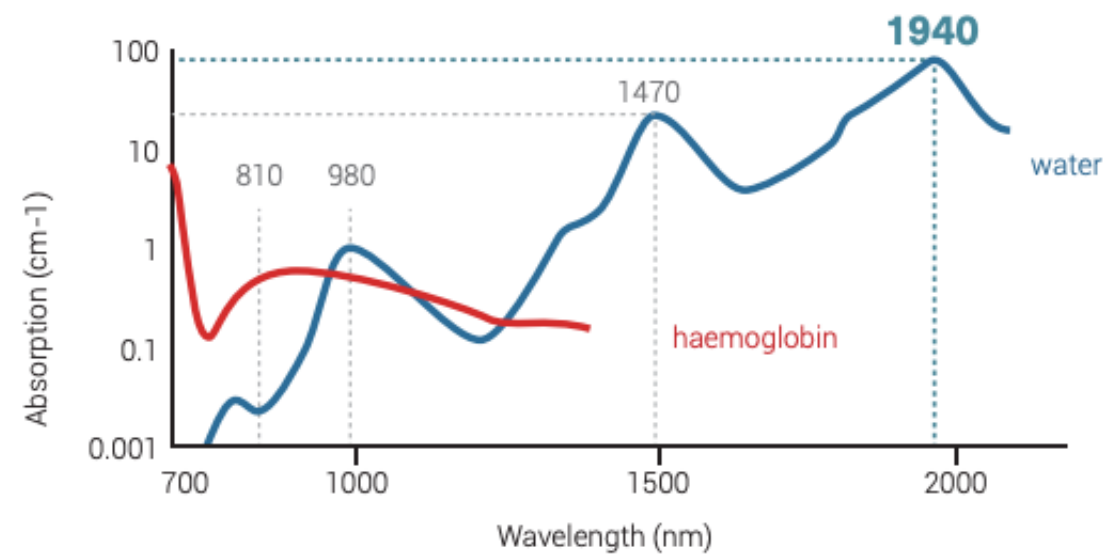
DIRECTLY ON THE VESSELS WALL WITH LESS TISSUE PENETRATION

The 1940nm laser shows a much higher water absorption rate, while the effective tissue penetration is only about a quarter, which means that a much better ablation effect can be achieved at the vessel wall with LOWER absorbed dose.



OPTIMAL CLINICAL SETTINGS

- Higher water absorption - lower power
- Less pain, no risk of burns and associated skin scar effects guaranteed
- Balance between the high success rate of the procedure and the low complication rate



HIGH QUALITY RADIAL FIBER

- Long-term stable performance
- Specially designed emission aperture that acts 360° on the vein wall
- Delivers the best ablation results with 400m and 600m fiber



UNIQUE DESIGN FOR 1940NM

Reliability thanks to cutting-edge technologies

When selecting laser modules, the original Advanced Laser Stabilization System was developed for the 1940nm Phlebology System. 1940nm laser diodes generate extremely high amounts of heat when in operation. The 1940nm laser utilized high-performance materials and the assembly of a patented dual-fan cooling system, which guarantees stability during clinical procedures at high threshold current and high heat generation.

