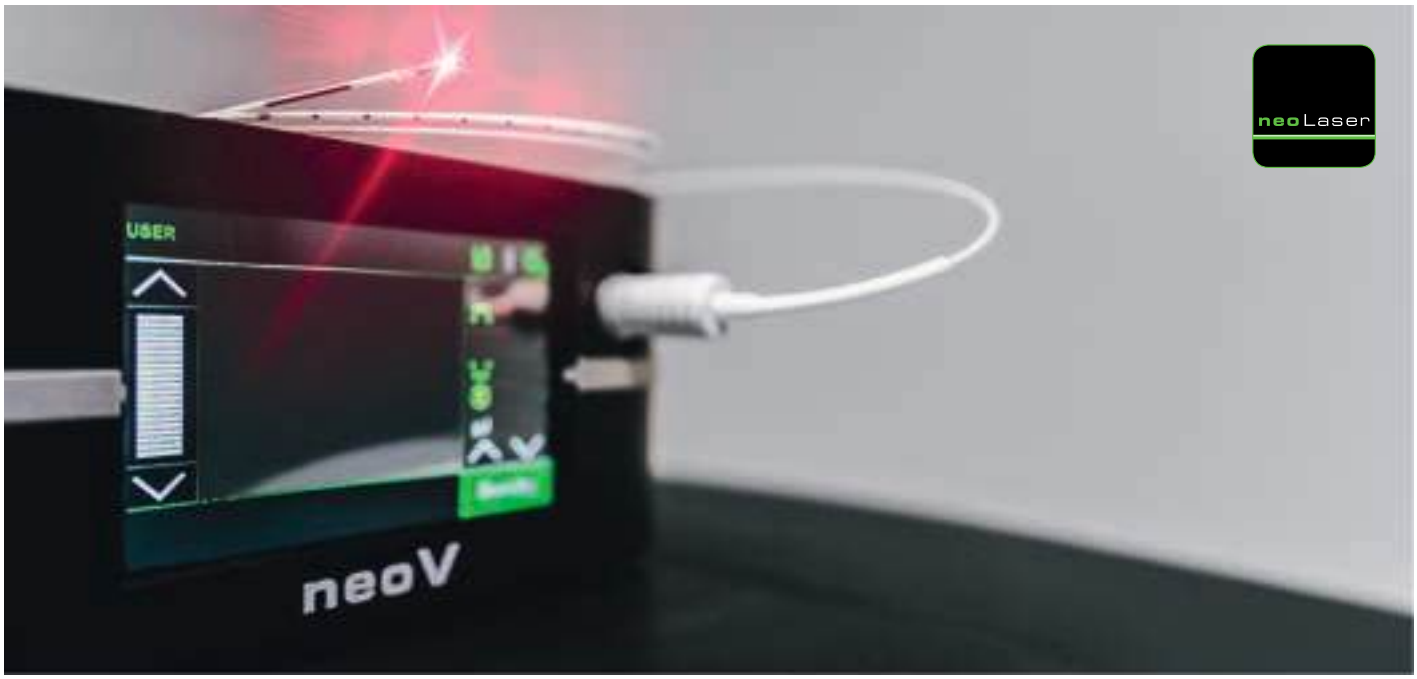


Precision fiber optics for phlebology

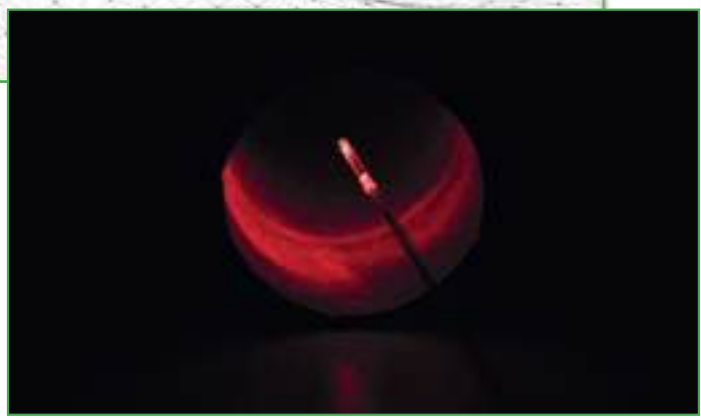
CORONA Infinite Ring Fiber

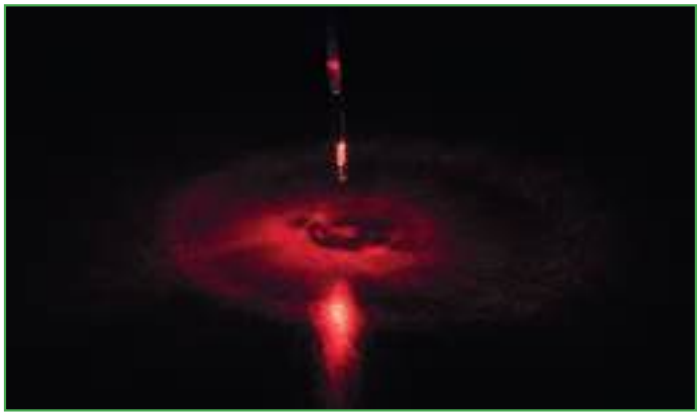
Phlebology



Specialized optical fibers are essential tools in modern phlebology and proctology, enabling precise and minimally invasive treatments for conditions such as varicose veins and hemorrhoids. These high-performance fibers are designed for accurate energy delivery, supporting advanced laser therapies that promote safe, effective, and targeted care. With superior clarity, flexibility, and reliability, they enhance procedural outcomes by delivering controlled laser energy to delicate areas, improving patient comfort and recovery times. Tailored for demanding medical environments, optical fibers provide healthcare professionals with the precision and durability needed for consistent results in vascular and proctological treatments.







Phlebology

CORONA Infinite Ring Fiber

Endovenous laser treatment with optimal uniformity along the vein

The CORONA Infinite Ring Fiber is a groundbreaking development for endovenous laser treatment of the vena saphena magna and the vena saphena parva in patients with venous insufficiency. Providing cylindrical emission from a continuous section of ~4 mm length, it is the first ever fiber to enable optimal uniformity of energy deposition ALONG the vein wall, leading to potential reduction in sticking, carbonization and excessive thermal damage, properties of special importance when working in critical areas which are sensitive to complications.

Technical details

Outerdiameter (tip)	**1.8mm, 1.6mm or 1.3mm**
Standard length	**2.5 m**
Wavelength	**980 nm, 1470nm, 1940nm**
Typical transmission	**98%**
Emission angle	**Cylindrical emission from a 3-4mm section**
Numerical aperture	**0.22**
Core diameter	**400-600 □m**

Features

- Unique emission equivalent to numerous radial rings in a long continuous section
- Optimal uniformity of energy deposition along vein
- Potentially reduces sticking and carbonization in vein due to unique emission profile
- No front firing

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