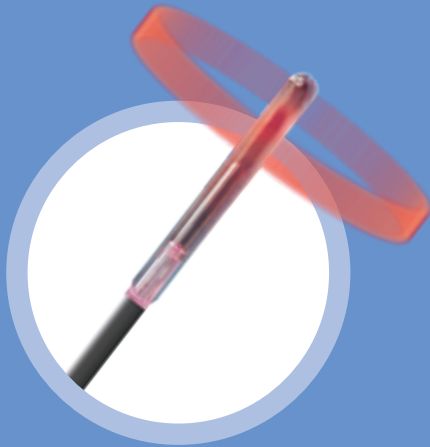


# Medical Fiber Solutions



# Fibers for medical lasers – tailored to your needs

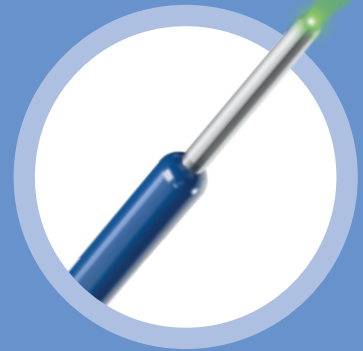


## One-Ring Fiber

One-ring fibers are the golden standard in Phlebology. Our core-technology for fusing the end-cap to the fiber ensures highest quality and safety for patients. As a standard, one-ring fibers are available with 400  $\mu\text{m}$  and 600  $\mu\text{m}$  diameter and the diameter of the end-cap varies from 1.2 mm to 2 mm.

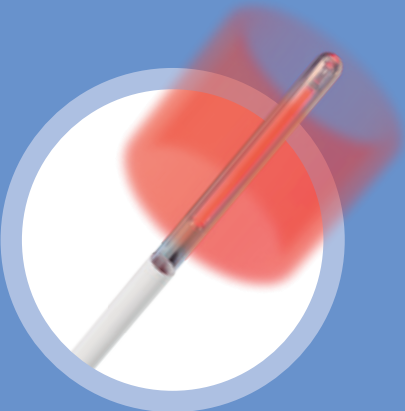
## Bare Fiber

Bare fibers, originally developed for Holmium lasers and also known as Holmium fibers, are now used in various applications such as stone treatment in urology and other surgeries. They are available in diameters ranging from 200  $\mu\text{m}$  to 1 mm with flat or atraumatic tips and are designed for single or multiple uses.



## Diffusor Fiber

Diffusor fibers are mainly used in Oncology, various tumor treatments or for photodynamic therapy (PDT). With our unique (patent pending) production technology our diffusor fibers can be used in the low-power as well as in the high-power range with an active length from 5 mm to 50 mm.



## Side Fiber

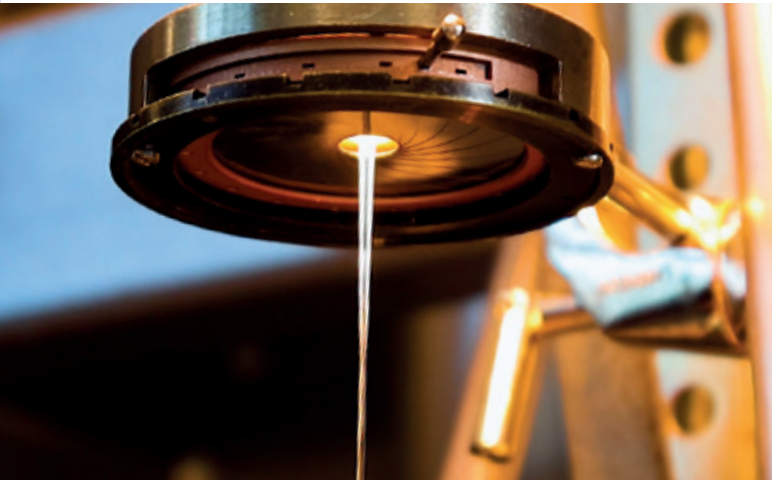
Side fibers are well established for the treatment of tissue coagulation, vaporization and resection. Our vertical integration allows the optimization of both fiber geometries and irradiation to suit each application. Large outer diameters combined with small cores ensure maximum stability and reliability.



# From preforms to fibers

## Preforms

- Standard and custom core geometries (incl. non-circular)
- Wide range of core / cladding ratios

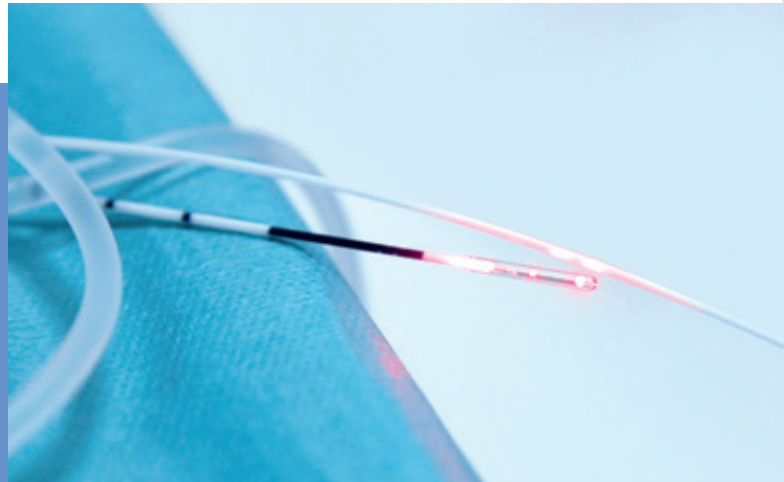


## Fibers

- Maximum transmission and lowest attenuation
- Lowest OH-concentration for VIS-IR application
- Solarization-free for UV und high-power

## Jackets

- Biocompatible materials
- Abrasion-resistant marking
- Custom colors available



# From fibers to probes

Talk to us  
Tel. +49 (0)228 979670  
[sales@ceramoptec.com](mailto:sales@ceramoptec.com)

## Assembly

- Fusion cap ensuring best connection
- Standard and custom connectors
- Available with RFID-tag



## Sterilization

- ETO facilities in-house
- High throughput capacity
- ISO 11135 certified process

## Documentation

- ISO 13485 certified production facility
- Real- and Legal Manufacturer
- Post-Market Surveillance



# Full value chain under one roof

Consulting,  
Engineering &  
Design



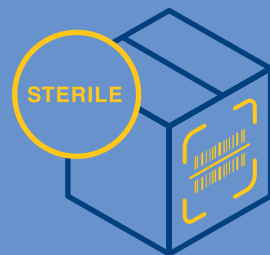
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Production &  
Quality Management



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Packaging,  
Labeling &  
Sterilization



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Logistics,  
Documentation &  
Approvals







# CeramoOptec worldwide

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