

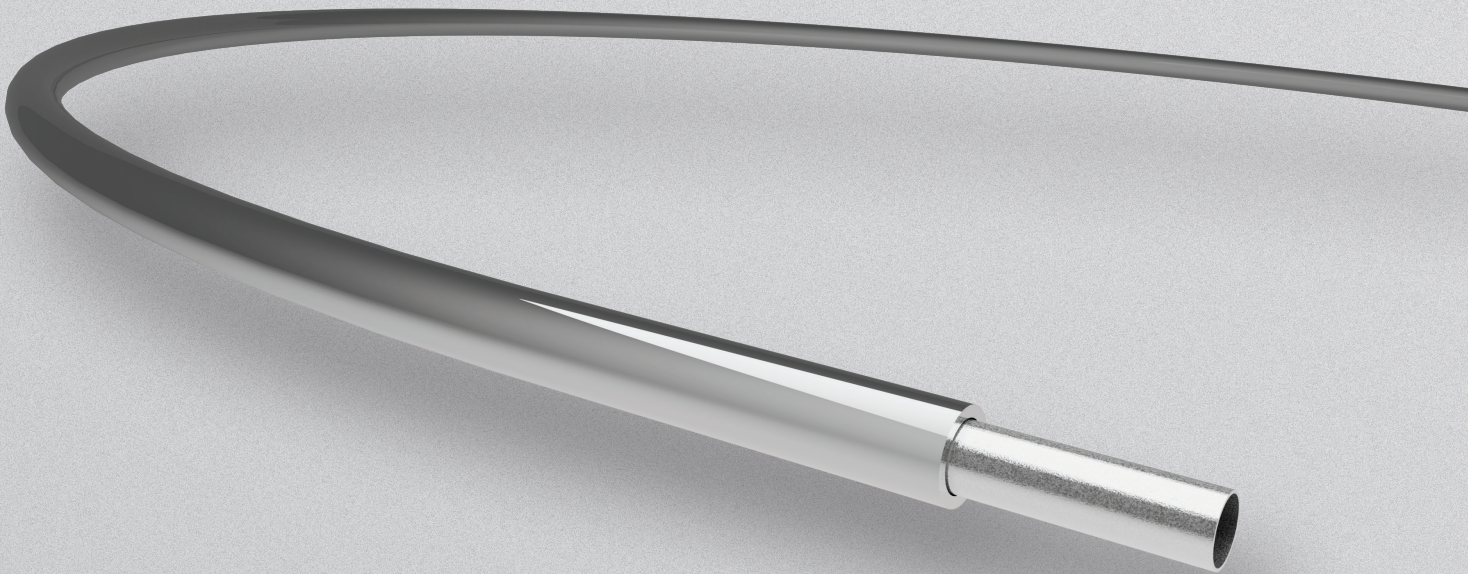
CO₂ Laser Fiber

Otolaryngology

Gynecology

Dermatology

High quality, flexible light guide for CO₂ lasers.



- Available as medical device or bulk fiber
- Dual transmission of CO₂ laser and aiming beam
- Customization possibilities for product design
- Compatible with EO sterilization



CO₂ laser fibers are a very versatile instrument for delivering CO₂ laser power from the source to the treatment site on the patient and overcome the limitations of articulated arms and mirrors. CO₂ laser fibers can be an alternative to the rigid systems in almost all medical applications. The use of CO₂ laser fibers allows to reach hardly accessible targets in the human body more conveniently in practically all medical disciplines.

Lightguide's CO₂ Laser Fibers are available as bulk fiber material or customer special assembly, with or without connector and optional sterilization and labeling. All patient-contacting materials are certified biocompatible.

Emission profile



Customization | CO₂ Laser Fiber

| Fiber type | CO2.300 | CO2.500 | CO2.750 |
|----------------------|--|---------|---------|
| Glass inner diameter | 300 µm | 500 µm | 750 µm |
| Glass outer diameter | 400 µm | 650 µm | 950 µm |
| Outer diameter fiber | 500 µm | 1040 µm | 1300 µm |
| Straight loss dB/m | < 2.0 | < 0.8 | < 0.5 |
| Wavelength | 9.6 µm up to 10.6 µm (others on request) | | |

Lightguide in The World

Lightguide International | Livani, Latvia

Lightguide Germany | Meckenheim, Germany

Lightguide USA | San Jose, California, USA

Lightguide China | Pudong, Shanghai, P.R.C.