

Company

UV/VIS Quartz/Quartz Fibers  
VIS/IR Quartz/Quartz Fibers  
Quartz/Quartz Tapered Fibers

Fiber Bundles  
Laser Fibers  
Fiber rods

Hard Plastic Clad Silica Fibers  
Medical Laser Delivery Systems  
Side Light Quartz Fibers

Plastic Clad Silica Fibers  
Silica Image Fibers  
Fused Silica Capillaries

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## Medical Laser Delivery Systems

### Features

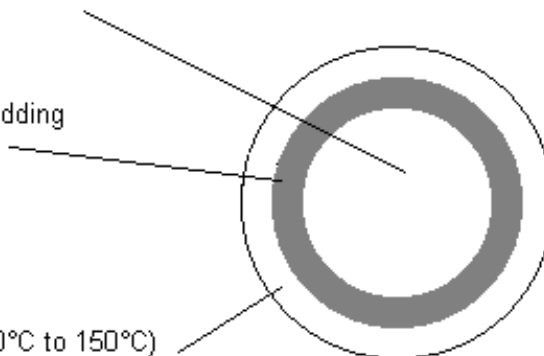
- Medical fiber systems for high power laser applications
- Specialty distal end configurations
- Contact and non-contact fiber design
- Biocompatible materials
- Sterilizable by ETO, gamma radiation
- High mechanical reliability
- Cost effective for disposable use

### Fiber design

Pure fused silica core  
( low OH<sup>-</sup> )

Hard polymer cladding

Jacket: Tefzel (-40°C to 150°C)



ISO 9001  
+ 13485  
certificate



## Fiber properties

- Step index profile
- Bonded hard polymer cladding
- Numerical aperture: 0.37 (2 meters)
- Fiber Length: 3 m, 4 m
- Proof test level: 70 kpsi
- Minimum bend radius:  
100 times the core radius (momentary)  
600 times the core radius (long term)
- Output power:  
> 100 W (Nd:YAG, cw at 1060 nm)
- Standard connector: SMA 905

## Options

- High OH- fiber for UV/VIS laser
- PCS or quartz/quartz fibers
- Disposable or reusable handpieces
- Stripping tools and fiber cleaver

## Applications

- Laser surgery
- Angioplasty
- Lithotripsy
- Urology
- Dermatology
- Ophthalmology
- Photodynamic therapy

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