

# MED FIBERS NEWEST DEVELOPMENT NOW IN 100 MICRON

S-E-E™  
Safe-Efficient-Effective



## MED FIBERS, Inc. HHZ CONNECTOR LASER FIBER®

THE ONLY ALTERNATIVE HIGH Hz PRODUCT ON THE MARKET



FIBER AT CONNECTOR END (PROXIMAL END)  
AFTER USE, AND STILL NO VISABLE DAMAGE

**MED FIBERS, Inc.** with its key management and the combined optical glass, and optical fiber experience is your partner for the next generation of technology. The permanent performing product improvements will provide you with the quality you expect from your vendor, and we will be the **BEST** partner for:

- **CUSTOMER SERVICE RESPONSE TIME**
- **LEAD TIME**
- **PRODUCT QUALITY**

Our technicians are selected and trained on an ongoing basis for the understanding of work performance, product handling and the importance of **Customer Satisfaction**. We as a team are on a 24/7 stand by for all of your requests and as your support team to provide you with solutions.

### MED FIBERS HHZ CONNECTOR LASER FIBER®

Test result for the **100 micron fiber** shows very promising output. We have a transmission of around 91% and the fiber could handle 40 Watt. Test laser was a 1940 nm **Thulium laser**.

Our HHZ Connector Laser Fiber® is designed to deliver energy in lithotripsy **with or without flexible ureteroscopes**. With its special designed connector it withstands, like no other fiber, high Hz procedures for stone dusting or stone fragmentation.

All of those fibers have, with its special buffer coatings (silicone, hard clad or polyimide hard clad), the advantage of multiple choices for best performance. The fibers are **all tested** up to 120 Hz in all dimensions.

**An additional huge advantage** compared to other products on the market is its centricity and placement of the fiber within the connector which absorbs energy within its special coated parts surrounding the proximal end of the fiber.

### HHZ CONNECTOR LASER FIBER® IS PRIMARILY USED WITH

- 100/120**, Blue jacket fiber, OD 270 micron, single use
- 150/180**, Blue jacket fiber, OD 350 micron, single use
- 200/240**, Blue jacket fiber, OD 400 micron, single use
- 272/300**, Blue jacket fiber, OD 450 micron, single use
- 230/276**, Blue jacket fiber, OD 400 micron, single use
- 365/400**, Blue jacket fiber, OD 580 micron, single use
- 550/600**, Blue jacket fiber, OD 750 micron, single use

A REUSABLE VERSION OF ALL THOSE FIBERS ARE AVAILABLE

**MED FIBERS, Inc.** provides you with the highest standard of laser fiber devices with affordable prices and the shortest delivery times on the market. This includes custom made and custom labeled fibers.

**QUALITY ENFORCEMENT IS OUR MOTTO** AND WE GUARANTEE YOU RECEIVE THE BEST AVAILABLE PRODUCT WITH THE MOST COMPETITIVE PRICES. SPECIAL CUSTOM MADE ASSEMBLIES INCLUDING STERILIZATION IN LESS THAN 7 DAYS DELIVERY TIME.

### PERFORMANCE

MED FIBERS products exactly match the highest standards of optical specifications, such as spot size, laser beam focal point for the existing laser families on the worldwide market.

### RELIABILITY

MED FIBERS Laser Fiber devices are guaranteed compatible for safe and effective use with all FDA approved lasers systems on the market (excluding those with RFID connectors). All devices are FDA cleared.

- FDA 510(k): K 124003
- ISO 13485:2016
- CE 0459

### QUALITY

MED FIBERS Laser Fiber delivery systems are manufactured to provide optimum performance and 100% quality inspected before leaving production. Our products are made in the USA.

**QUALITY ENFORCEMENT  
IS OUR MOTTO!!**





### DESIGN & ENGINEERING

MED FIBERS laser delivery devices are 100% German designed and engineered. Core, cladding and jacket materials have been selected for their biocompatible properties.

### MANUFACTURING

MED FIBERS laser delivery devices are produced in our State of the Art facility in Arizona, with 0% tolerance of failure rates and the devices have the tightest tolerances on concentricity on small diameter fibers on the market.

### TURNKEY SOLUTIONS

MED FIBERS experienced team, with more than 50 years of combined optical fiber knowledge, will support you in all of your projects and assists you in less than 24 hours response time. Your and our idea and our quick product solution, can help you to introduce your next product quicker into the market.

For more information on any of our products or services please visit us on the web at:

[WWW.MED-FIBERS.COM](http://WWW.MED-FIBERS.COM)

## SERVICE FEATURES AND BENEFITS



**MED FIBERS, Inc.** laser fiber delivery systems are in production laser tested for internal validation of the assembly performance.

This gives us the opportunity to verify our **0% tolerance failure rate**. With those steps, we can minimize the energy loss due to decreased energy transmission, decrease the possibility effecting safety and increase the clinical effectiveness. With those internal requirements

**MED FIBERS prevents reduced energy transmission** getting delivered to the tissue. Our products also prevent that energy may leak which causes damage to the laser, the delivery device itself, the scope and also prevents that patient or the operator could be burned.

**Our product performance increases the reuse of reusable fibers.**

For questions, please contact our technical department or sales support team which will provide you with satisfied answers.

\* Please follow the reuse instructions provided for best fiber performances and maximum use of our products.

## HHz CONNECTOR LASER FIBER® SPECS

- **MF 100/120**, polyimide hard clad, blue tefzel, n/a 0.22, 3 meters, OD 270 microns, single use or reusable
- **MF 150/180**, hard clad / blue tefzel jacket, n/a 0.22, 3 meters, OD 350 microns, single use or reusable, sterile
- **MF 200/240**, silicone / blue tefzel jacket, n/a 0.22, 3 meters, OD 400 microns, single use or reusable, sterile
- **MF 272/300**, silicone / blue tefzel jacket, n/a 0.22, 3 meters, OD 450 microns, single use or reusable, sterile
- **MF 230/276**, silicone / blue tefzel jacket, n/a 0.22, 3 meters, OD 400 microns, single use or reusable, sterile \*(that fiber size on special order only)
- **MF 365/400**, silicone / blue tefzel jacket, n/a 0.22, 3 meters, OD 580 microns, single use or reusable, sterile
- **MF 550/600**, hard clad / blue tefzel jacket, n/a 0.22, 3 meters, OD 750 microns, single use or reusable, sterile

### ALL FIBERS ARE ALSO AVAILABLE IN HIGHER N/A

Additional and or other fiber dimensions are on special request.

MED FIBERS, Inc R & D Department is permanently working on improvement of existing products and in exploration for advanced technologies in the fiber and connector market for increased product performance.



### SERVICES AVAILABLE

#### Technical Support

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#### Customer Support / Clinical Support

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#### General Support / Administration

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