



**A**ftermarket resource... Regardless of who made it, we repair all brands and types of fiberoptic cable 3-5 days after your authorization.

Like-new products are returned via Next Day shipment with a 90 day warranty on materials and workmanship.



Seven full time QA professionals assure compliance and accuracy of all FTI manufactured products and vendor supplied raw materials. FTI is FDA, CSA, and CE certified.



**F**lexible delivery schedules... Working with you to help respond to market demands, our innovative approach to inventory management defines JIT.

**T**otal commitment to quality....consultive relationships, drawing approvals, prototype and first article in 5 days...Interrelated components assuring responsive service and your complete satisfaction.



FTI employees located in Naples, Florida

**I**nnovate solutions...for over 30 years, FTI has consistently met the challenge of creating custom products to solve the most demanding problems.

While we maintain customer confidentiality as a matter of ethical business practice, we can provide ample informed references, attesting to our approach, capability, and results.



FTI employees located in Pomfret, Connecticut

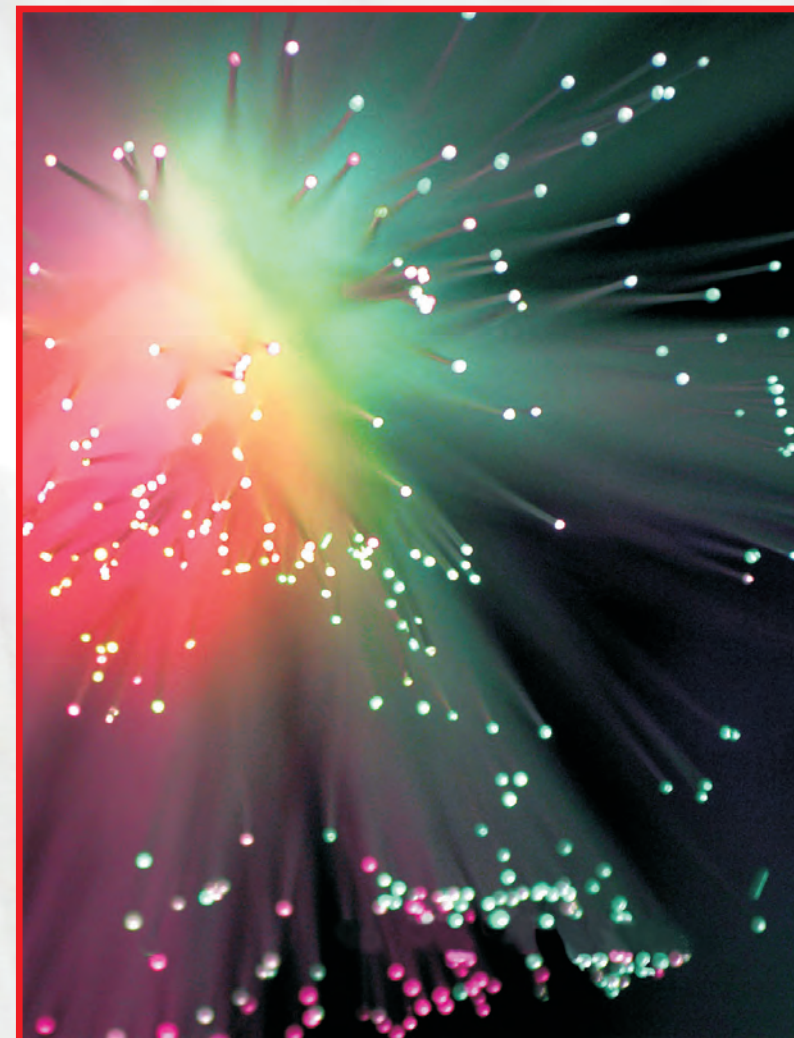
We've been fortunate to have a loyal and dedicated workforce, with cumulative shop experience exceeding 1000 years. 83 of 130 employees have more than 10 years tenure with FTI.



CORPORATE HEADQUARTERS

**Fiberoptics technology incorporated**  
ESTABLISHED 1977

1Quasset Road, Post Office Box 286, Pomfret, Connecticut 06258  
PHONE 800.433.5248 □ FAX 860.928.7664 WEBSITE: [www.fiberoptix.com](http://www.fiberoptix.com) □ E-MAIL: [info@fiberoptix.com](mailto:info@fiberoptix.com)



***fiberoptics technology incorporated***

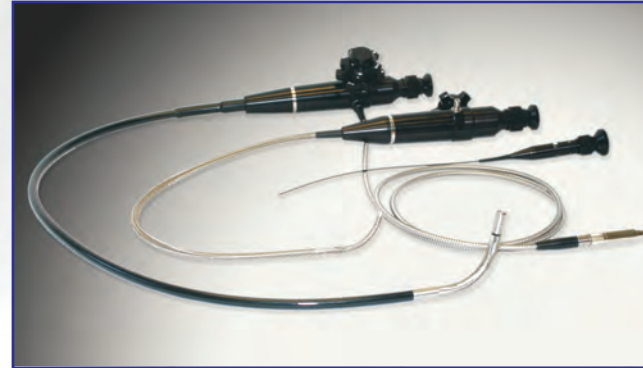
*Service*



FTI offers a broad range of products configured for Inspection, Lighting and Medical applications:

- Fiber scopes
- Plastic & glass raw fiber
- Large core fiber
- Optical rods and tapers
- Medical cables
- Standard illumination products
- Modified illumination products
- Custom OEM illumination products

## Inspection



### FIBER SCOPES

- High quality materials and workmanship competitive with scopes costing considerably more.
- The quartz image guide is guaranteed to be free of dead pixels in a 10K or 17K element array using 3micron pixel size.
- Low attenuation makes output from a 10meter long scope as bright and clear as an image generated from a one-meter length of "regular" glass.
- Anodized aluminum handles, monocoil or stainless/tungsten braided sheath to transmit torque for smooth articulation.
- Urethane cover protects the shaft from moisture and corrosive environments.
- All glass optics are custom designed for optimal efficiency.



Light sources, video monitors, eyepieces, replacement lightguides and other accessories complete a fiberscope product offering designed for demanding industrial applications.

## Processed Materials

Raw Fiber • Optical Rod • Tapers • Large Core



- All fiber is made from the highest purity glass available. The same fiber used in our products is available to assemble your own product or just experiment with an idea.
- Bundles up to 60 feet. NA of .25, .55, or .66
- Glass combinations that will withstand steam sterilization.

#### OPTICAL ROD

Fibers larger than .062 inches in diameter are referred to as optic rods. They are used for windows to eliminate dust and dirt, viewing ports for high vacuum systems,

optical high voltage isolators and many other applications.

When small diameter optical rods are gathered and drawn, a "multi" rod is created. These "multi" rods (also called image conduit) provide unique optical characteristics suited for UV curing and wide angle illumination applications.

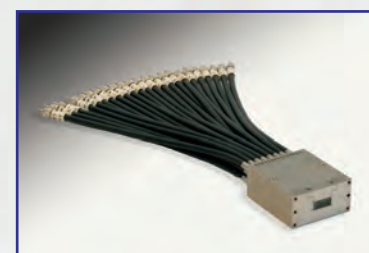
**LARGE CORE FIBER** Cast polymer in Teflon cladding is a great material for commercial and architectural lighting. Two versions are available: Side and end emitting. Side emitting can give the illusion of neon lighting.



Side emitting fiber has the look of neon, but none of the drawbacks.

## Custom

We've built our business on the ability to create special products for military, medical, commercial and industrial applications. Manufacturing products that have never been made is our strength.



Specially designed fiberoptic components allow OEM partners to realize breakthrough advances in product technology.



Extensive fiber drawing in two locations (CT & FL) provide unmatched capacity and security.

Fiberoptics Technology Incorporated, with manufacturing facilities in Connecticut and Florida, is the largest supplier of custom designed OEM fiber optic components in the United States, maintaining the largest fiber production capacity of any company in North America.

Corporate headquarters in Pomfret Connecticut utilize 70,000 square feet of manufacturing space to house complete fiber drawing, machining and volume production equipment. We handle the most demanding requirements with speed and efficiency, while maintaining a level of quality expected of a sole source supplier.

Our location in Florida, with more than 10,000 sq. ft, provides duplicate production resource to insure continuous output, regardless of natural disaster or quickly changing business conditions.

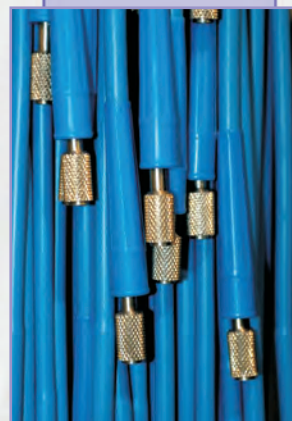


Our machine shop is staffed with 20 fine machinists, working two shifts. Prototype work is produced quickly, while production work continues unabated. All tooling is designed, manufactured and maintained on premises.

70,000 Square feet of production capacity sets FTI apart from other domestic suppliers... no job is too big or too small.



All medical products are FDA class 1 listed



Products

Production



All  
electronic  
products are  
CE and CSA  
approved



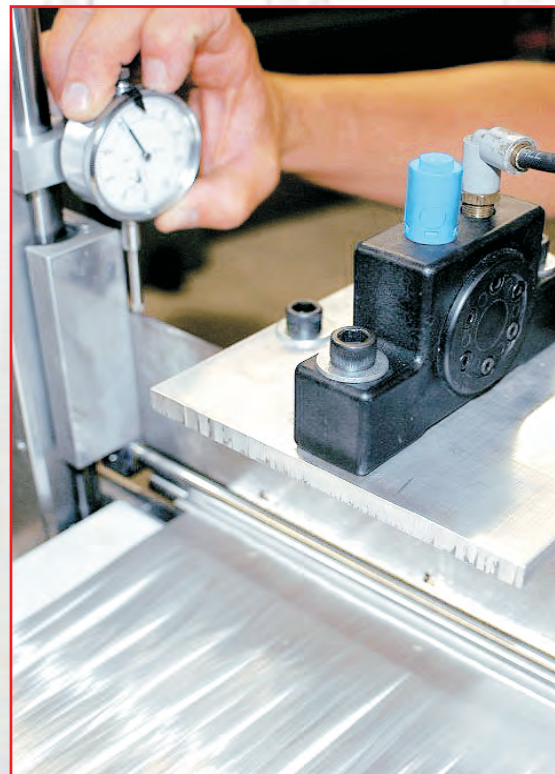
Engineering



**T**o insure success,  
the customer is  
involved every step  
of the way.

This collaborative  
process offers maximum  
flexibility and freedom to  
change direction as the  
customer's needs are  
refined.

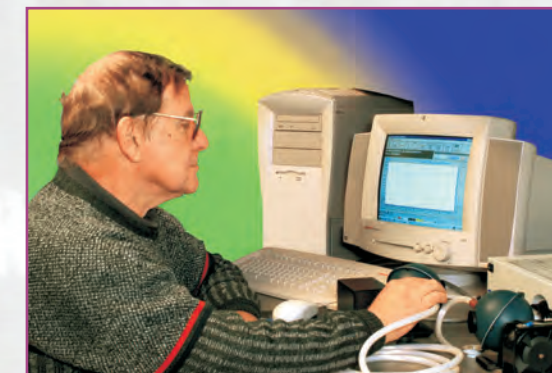
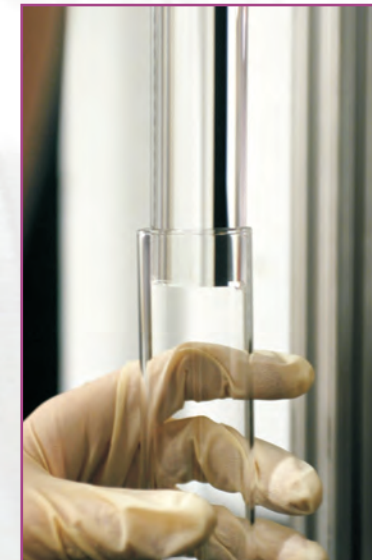
When the design is  
optimized, a full set of  
prints are sent to you for  
final approval before  
production begins.



**T**he foundation of any fiber optic  
manufacturing business is  
technical expertise; both in  
assembly and design.

Making it right is only half the job;  
doing it efficiently, with minimum cost  
is the challenge and key to success.

**E**ight full time electronic and  
mechanical engineers on staff  
work out the details. Three  
have over 100 years of combined  
experience solving problems to  
create elegant, cost effective,  
efficient fiber optic and electro-optic  
components.



**A** consultive company  
shares knowledge;  
we'll work with you to  
turn idea into reality.

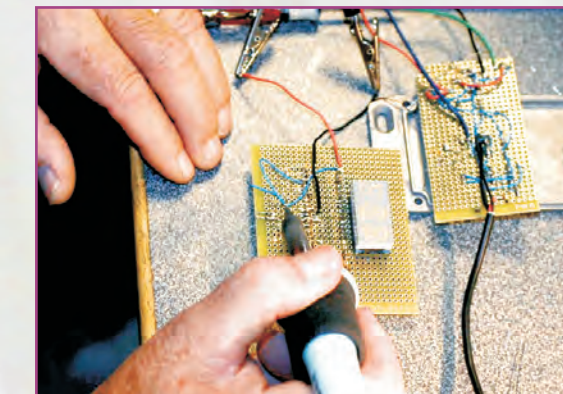
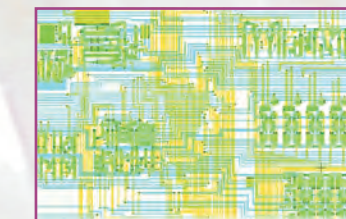
State-of-the art analytical  
instruments provide optical  
and mechanical information  
with speed and efficiency.

**I**n addition to engineering, FTI also  
has 8 creative and dedicated  
professionals assigned to R&D.

Mechanical, optical and electronic  
concepts, design, and testing are done  
in-house without delay or distraction.

**F**or most projects, a prototype  
will be delivered for inspection  
and test 5 days after drawing  
approval.

**N**o other company in the  
business makes this written  
claim.

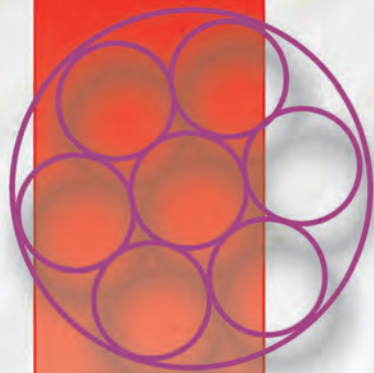


Design



Research &





*Vision*

**W**e were working in the Fiberoptic business for 10 years before we decided to start FTI.

The technology seemed to fit the times, we enjoyed the work, and believed the time was right.

Our vision for the company was a five point plan I followed today

- Build a quality product
- Form collaborative relationships with our employees and customers; exceed their expectation.
- Treat people with respect.
- Be loyal to those loyal to us.
- Have fun.

Since opening the doors of an unheated barn with 3 employees, we've focused on continuous improvement; accepting new challenges, innovating new processes, and creating new products for the benefit of our customers and the security of our employees.

Enduring relationships are a testament to our beliefs. As we have always done, we continue to provide insight, guidance, and product to many customers first taking that chance to work with us in 1977.

We believe in consultive service. We strive to insure a positive and productive experience. While we've doubled in size more than 5 times since 1977, all of us recognize our responsibility to secure the faith and trust of our customers.

Whatever your needs, Whoever your suppliers, Whenever you require it, the owners, founders, and employees of FTI are committed to your satisfaction, and your company's success.

*Keith L. Knowlton*



Built in 1993, the exterior design of our Pomfret CT corporate headquarters blends with the locale, but houses a 70,000 Sq Ft. State-of-the-art fiber optic manufacturing facility.

**We're proud of our resource and our people. Please stop by to see why.**



stil

# Lighting

## MEDICAL CABLES

- Over 500 combinations of end fittings and sizes available in a broad range of colors and lengths.
- Our medical light guides are leak tight and autoclavable.
- Fully molded construction protects the fiber and eliminates joints that collect foreign matter. FTI is registered with the FDA as both a medical Device Manufacturer and a Medical Contract Manufacturer. We have been inspected and found in compliance with their Medical Device Quality Systems Manual which supercedes the former GMP. FTI's own medical light guides are also 510K Certified.



## LIGHT SOURCES

- SOL-R 150DC - 150w DC regulated Quartz Halogen light source with proprietary lamp tuning, high performance feedback feature for 0-100% stable intensity control and computer interface for optimal photonic performance.
- CE & CSA approved to the latest specifications.
- SOL-R 150AC-150w AC Quartz Halogen light source with proprietary lamp tuning for optimal photonic performance.
- CE & CSA approved to the latest specifications.
- SOL-R 300H- 300w HID light source for high performance, high speed lighting challenges.
- Filters, Lenses, Shutters and aperture accessories.
- Adapters available for major brands of fiberoptic accessories.
- Private labeling programs are available.



SOL-R 150DL

SOL-R 150DL is a high end light source for demanding inspection applications

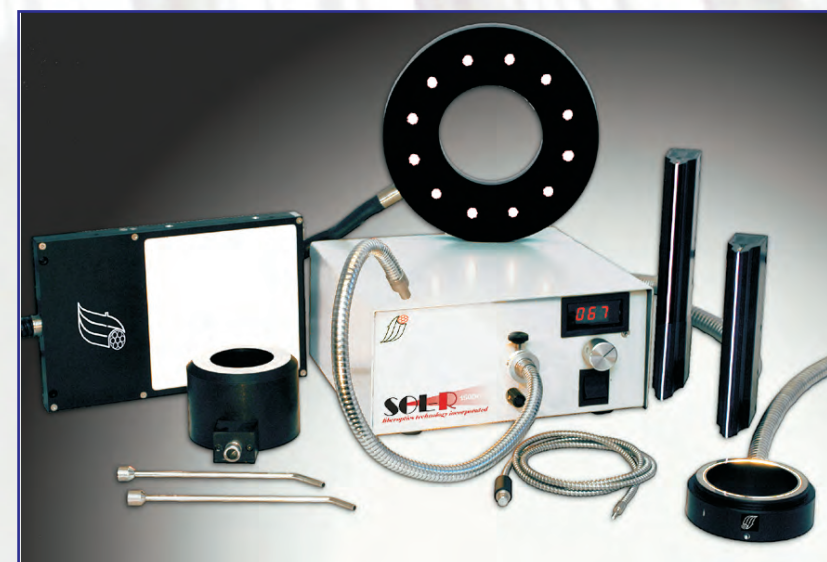


MO150

MO150 is designed for Microscopy illumination.

## FIBER OPTIC CONFIGURATIONS

We offer the following standard configurations:

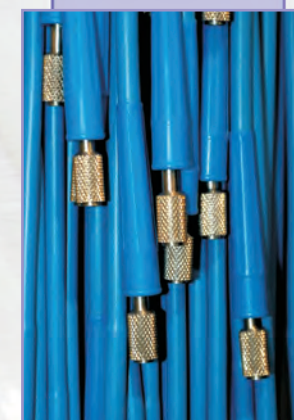


- Simple light guides
- Multi-spot and annular Ring lights
- Spot-to-Line (light lines)
- Goose necks
- Back lights

You can select from stock, or work with us to customize proximal and distal configurations, active diameter, sheathing and fiber types to suit any application.

Modifying standard designs, and making custom components are what we do best!

FTI is  
FDA & GMP  
approved,  
and 510K  
certified.



*Products*