



Member of LEONI Group

j-fiber is one of the worldwide leading suppliers of high-performance optical fibers and preform designs addressing advanced tele-communications and specialty industry markets.

We invest in long-term customer partnerships, state-of-the-art fiber technology development, and continuous process technology enhancement.

Our commitment to providing best fiber performance, cost-efficiency and reliability makes our clients gain maximum benefits from sourcing j-fiber products.

Learn more about j-fiber and how we can serve you as your preferred fiber and preform source – visit us at:

**SPIE Photonics West
25-27 January 2011**

The Moscone Center
San Francisco, CA

**Booth No.: 2530
South Hall**

or at www.j-fiber.com

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j-fiber News at Photonics West 2011

Photonics West 2011 show highlights and company news:

High-end photonic device making powered by j-fiber specialty fibers, preforms - and new: synthetic fused silica from the UV specialist

SQ synthetic fused silica for fiber optics is our new offering to preform and fiber manufacturers.

Learn more about how your preform or specialty fiber manufacturing can benefit from the UV specialist.

j-Ultrasol Fluorine doped solarization resistant Multimode fiber with highest transmission stability under UV exposure for <400 nm wavelength applications

Learn more how j-Ultrasol's high stability and life time can make your spectroscopy and medical devices perform better and more cost-efficient.

FSI (UV and IR) product portfolio of fluorine doped preforms and optical fibers for advanced semiconductor and liquid crystal exposure device making

Learn more about our FSI preform portfolio and how our preforms support your fiber draw process for best performance fibers in advanced device technologies.

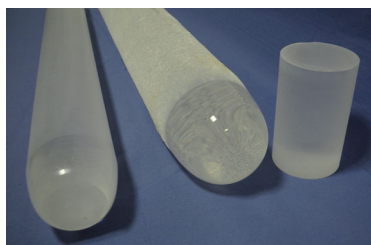
Our Photonics West 2011 product and service highlights in detail

SQ synthetic fused silica for fiber optics

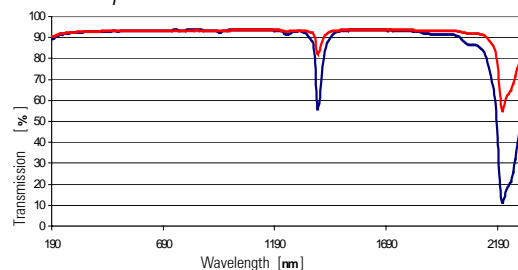
SQ ultra-pure synthetic fused silica for fiber optics is j-plasma's new offering to preform and fiber manufacturers. SQ inclusion free fused silica provides for high laser durability which makes it the first choice material for fiber optics. The amorphous synthetic fused silica SiO_2 of highest purity completes the application range of optical materials from DUV to IR with excellent transmission performance in the 185 nm to 2.5 μm range.

With SQ fused silica j-fiber has added the missing link to its complete fiber making competence chain. It supports the design and make of specialty applications preforms as well as the parameter controlled drawing of high-performance optical fibers for use in advanced specialty and photonic devices.

j-fiber fused silica for fiber optics

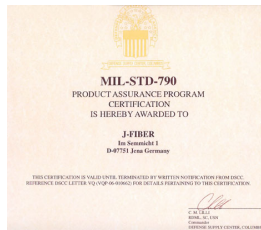


Spectral transmission



— Typical transmission of 10 mm path length
— Typical transmission of 40 mm path length

**Certified top quality
"green" fiber products**



**MIL-STD 790 Certificate
US Department of Defence**



**DIN ISO 9001 and 14001
Successful re-certification
2010**



**EMAS Certificate for
"green" fiber products and
processes**



**TÜV technical certificate for
safe and reliable products**

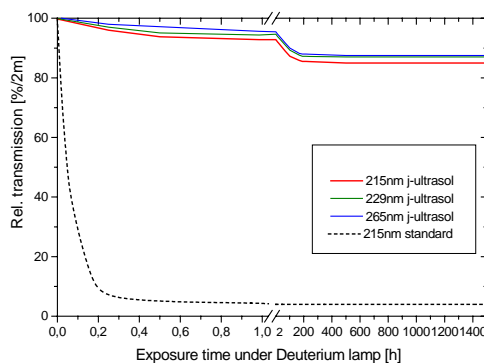
**j-Ultrasol - Fluorine doped solarization resistant Multimode fiber with
highest transmission stability under UV exposure for < 400 nm
wavelength applications**

j-Ultrasol for long-term transmission stability and long life time applications: With j-Ultrasol, j-fiber has developed a solarization resistant fiber for long life, high transmission stability under UV exposure, especially in the critical wavelength range below 230 nm. j-Ultrasol shows excellent short and long-term stability results: 96% transmission stability at 215 nm under short-term (<24 h) UV exposure, long-term high transmission stability (<1500 h) at a steady 86% level. The silica core/fluorine-doped silica clad Step Index Multimode fiber is well suited for spectroscopy, medical, and industry applications in the wavelength operation range below 400 nm.

j-Ultrasol solarization resistant fiber



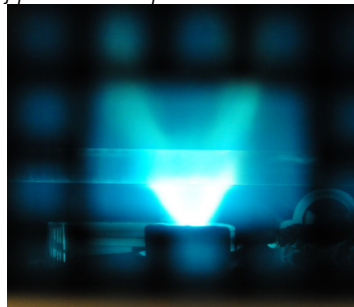
j-Ultrasol high transmission stability



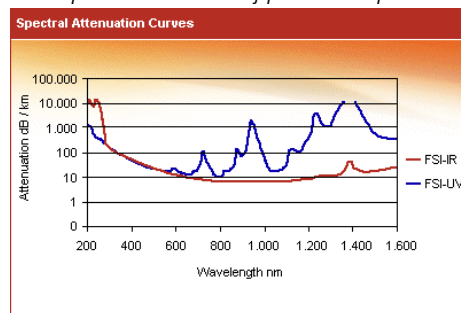
**FSI (UV and IR) product portfolio of fluorine doped preforms and
optical fibers for advanced semiconductor and liquid crystal
exposure device making**

Based on the combination of two highly optimized and effective processes PBVD and MCVD, j-fiber and subsidiary j-plasma, we are able to offer a large product portfolio of individual preform designs and services. Our special design FSI preforms show a superior performance during draw, and allow for excellent diameter control. Fibers drawn from j-plasma FSI type preforms can easily be spliced, thus making it the material of choice in high power laser applications. Due to our distinct processes the preforms show very consistent geometries and exceptional strength. All FSI type preforms are available in customized geometries such as diameter, length, CCDR and NA level. Fiber customers can choose from various doping levels, coating, performance specification and configuration options, such as core diameters and non-circular shapes, high or low Numerical Aperture, individual refractive index, or wavelength optimization.

j-plasma PBVD process



Spectral attenuation j-plasma FSI preforms



**Please feel welcome for individual discussions with our j-fiber experts who
will be available for you at Photonics West 2011, Booth No.: 2530, South Hall**