

OPTICS

Tech Pulse



PHOTONICS MEDIA

March 2016

Optics Tech Pulse is a special edition newsletter from Photonics Media and Nufern covering key developments in optics technology.

sponsor

Efficient Coupling to Silicon Waveguides

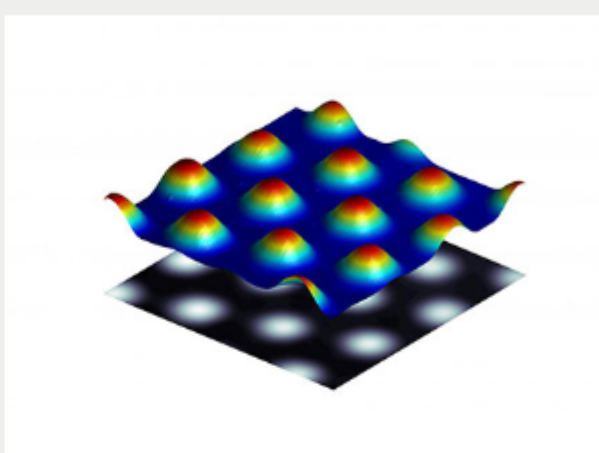
NUBRIDGE™

Click Here TO VIEW FIBERS

NUFERN®

Single-Process Liquid Fab Technique Produces Microlens Arrays

A method for patterning large areas with highly irregular structures in a single process aims to simplify the production of microlens arrays for photovoltaic systems and patterned films for other optical technologies.



[Read Article](#)

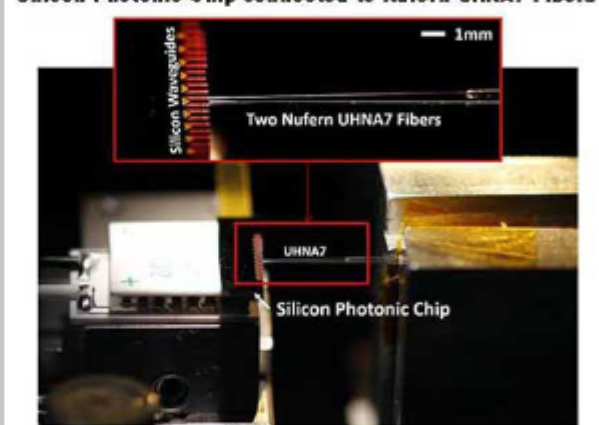


PROMOTED CONTENT

Application Note: UHNA Fiber – Efficient Coupling to Silicon Waveguides

The small mode field diameter of Nufern's Ultra-High Numerical Aperture (UHNA) fibers enables very efficient coupling to Silicon waveguides. In addition, UHNA can be fusion spliced directly to SMF28, providing a low-loss bridge from SMF28-to-Silicon with an overall coupling loss of less than 1.5dB (per connection).

Silicon Photonic Chip connected to Nufern UHNA7 Fibers



[Read Article](#)



PG&O Lens, Mirror Used in Avotec MRI Device

Glass, optics and coating provider Precision Glass & Optics (PG&O) has announced the customization of two thin-film optical components for Avotec Inc.'s Real Eye Nano high-field magnetic resonance imaging (MRI) accessory.

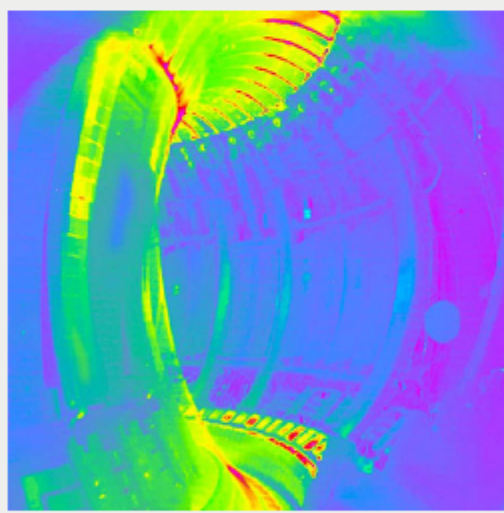


[Read Article](#)



Optical Surfaces to Fill Order for Joint European Torus Project

Optical component and system manufacturer Optical Surfaces Ltd. has announced an order from the Culham Centre for Fusion Energy (CCFE), the U.K.'s national fusion research laboratory, to manufacture relay imaging reflective optics for two of its critical viewing diagnostic assemblies.

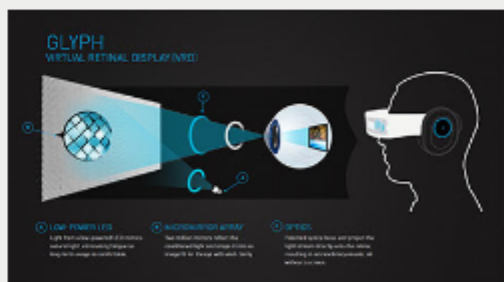


[Read Article](#)



Zeon Lens Used in Award-Winning Glyph Device

Avegant Corp.'s Glyph mediawear, housing Zeon Chemicals LP's Zeonex cyclo olefin polymers, was awarded "Best of CES" honors at the Consumer Electronics Show. The Zeonex lenses combine glass-like optical characteristics with the design freedom of a molded plastic. Along with the lenses' ultra-low haze and ultra-low moisture absorption, the characteristics make them well suited for the Glyph's patented retinal imaging technology.



[Read Article](#)



Nexoptic, Spectrum Complete Lens Prototype Study

Optics developers Nexoptic Technology Corp. and Spectrum Optic Inc. have announced a lens stack depth-to-aperture ratio of near 1:1 after completing the trade study phase of their proof of concept (POC) prototype development program.

[Read Article](#)



sponsor

One Source

Infinite Possibilities

NUFERN®

Over 1500 standard and custom specialty fibers

Click Here To Discover More