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News Release

OFS INTRODUCES NEW SPECIALITY PHOTONICS PRODUCTS

Researchers Deliver New Advances in Specialty Fibers for Aerospace, Medicine and Defense

OFC, Booth 2141, Atlanta, GA. March 27, 2003 – OFS, designer, manufacturer, and supplier of leading edge fiber optic products, today announced the most recent innovations from its Specialty Photonics Division (SPD), providing fiber for a wide variety of photonic devices used in telecom, aerospace, geophysical, medical, defense, acoustic and sensor applications. These new offerings include ClearLite™ Photonic Fibers and a suite of High Power Products.

“With the introduction of these new products, OFS now offers the broadest portfolio of specialty fibers for use in both telecom and non-telecom applications,” explained Ken Walker, President, Specialty Photonics Division, OFS. “These new products are offering our customers excellent performance, quality, reliability and efficiency.”

ClearLite Photonic Fibers

ClearLite Fibers offer the most diverse selection of specialty single-mode fibers and products currently available in the industry, to meet the photonic needs of a wide variety of industries including medicine, defense, telecom, aerospace, geophysical, acoustic and sensor applications.

The Clearlite family of products helps lower costs by enabling customers to design new products based on existing, commercially available specialty fibers, eliminating the need to develop custom fibers.

ClearLite Micro Photonic Fibers offer 80 µm micro-cladding diameters to enable miniature components and tight sensor coils. Specialty coatings such as polyimide, carbon/polyimide, and carbon/acrylate allow fibers to withstand, and maintain optimum functionality in,

temperature extremes, high humidity, and other harsh environments necessary for aerospace, oil well sensing and surgical applications.

The fibers offer a full range of numerical apertures to optimize coupling efficiency and bend insensitivity. They are available in both standard and polarization maintaining designs. Other offerings in the line include short-wavelength or dual-wavelength operation and C+L Band optimization. Further customization is also available.

High Power Products

The OFS family of High Power Products has expanded to meet the increasing power requirements for fiber lasers and amplifiers. Rare-Earth Fibers used in lasers enable higher power levels coupled with better beam quality allowing for finer, more precise processing and machining quality. The Rare-Earth Fibers used in lasers decrease power consumption requirements, helping to lower costs by eliminating the need for traditional water cooling and allowing for smaller footprint modules. These fibers enable the application of fiber laser technology in military and industrial machining applications.

Fiber amplifiers and lasers also provide much higher energies during pulsed operation, at higher repetition rates compared to solid-state lasers, an important consideration for applications requiring large throughput. In addition to our Yb and Er-Yb fibers and Power Combiners traditionally used in telecom applications, we have introduced a family of Rare-Earth Double Clad Fibers, Polarization Maintaining Rare-Earth Double Clad Fibers, Large Core Rare-Earth Double clad fibers, Er- Ring Double Clad Fibers, 7 into 1 and 19 into 1 All-Fiber Power Combiners, Polarization Maintaining Power Combiners and custom assemblies of these products. We can also supply Nd Double Clad Fibers and Tm Double Clad Fibers.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit www.ofsoptics.com.

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