



FOR IMMEDIATE RELEASE:

Excelitas Technologies Introduces New Generation Phoseon UV LED Curing Systems for Fiber and Wire Coatings

New three-part reflector design improves irradiance by 20% at the fiber



Pittsburgh, Pa., October 9, 2024 – [Excelitas Technologies® Corp.](#), the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets, today introduced the [Generation 8 Phoseon® Fiber Curing System](#) designed primarily for fiber and wire coating applications, including optical fiber, electrical and structural wire, and threads for smart fabrics.

The latest UV LED curing system features a three-part reflector assembly to improve the irradiance at the fiber by 20%, allowing faster process speeds. The field proven, fiber optimized UV LED light source, paired with the patented focusing reflectors, provide concentrated UV light energy within a tight cylinder at the fiber draw line, creating ultra-high intensity for maximum curing at the highest speed. Mounting hardware integrated into the enclosure makes retrofitting onto existing towers easier than ever.

Phoseon Fiber Curing Systems consist of a high intensity UV LED light source, which cures the coatings protecting the glass fibers, along with a Fiber Reflector Unit (FRU) to direct the UV energy around the circumference of the fiber. The UV LED light source and FRU are enclosed in an IP52 enclosure, protecting the system from liquid spills. LED technology drastically reduces energy consumption and significantly reduces work-piece surface temperature. For applications where process monitoring is required, the FRU includes a mounting feature for an irradiance monitoring system. Both air-cooled and water-cooled lights sources are available depending on the application requirement.

Visit Excelitas booth #201 at the [IWCS Cable & Connectivity Industry Forum](#) October 15-16, 2024, to learn more about the company's UV LED curing products for fiber and wire coatings. Access the product brochure [here](#).

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About Excelitas Technologies Corp.

Excelitas is the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide.



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