

Press Release

Phoseon Introduces UV LED Curing Systems for Fiber and Wire Coatings

Visit us at the IWCS Cable & Connectivity Industry Forum

Hillsboro, Oregon (September 27, 2022) - Phoseon Technology introduces a new generation of UV LED curing systems designed primarily for fiber and wire coating applications, including optical fiber, electrical and structural wire, and threads for smart fabrics. Phoseon offers complete UV LED systems that bring many advantages such as fast and more consistent results around the full diameter of the fiber and wire, reduced operation costs, higher yields, and energy savings up to 70% compared to traditional mercury-based UV curing. Both air-cooled and water-cooled light sources are available depending on the application requirement.

Phoseon's Fiber Curing System consists 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.



Phoseon Fiber Reflector Unit (FRU)

UV LED curing uses a fine-tuned light source and proprietary optics that enable better process control, resulting in a superior and more consistent overall product. With a high demand for coated fiber and wire that range from insulation on copper wires used in everyday appliances to coat threads used in clothing material for comfort, UV LED technology enables the curing process to be done faster and more efficiently with less waste.

With global demand historically high for fiber optic cable, manufacturers are turning to Phoseon Technology's UV LED curing systems to increase output, reduce maintenance and electrical costs and improve process control.

Visit our booth at the IWCS Cable & Connectivity Industry Forum to learn more about our UV LED curing products for fiber and wire coatings.

About Phoseon Technology

Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. Phoseon is an ISO9001 certified company manufacturing award winning products that are covered by more than 300 patents worldwide. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.

CONTACT:

Stacy Hoge
Marketing Communications Manager
Phoseon Technology
+1 503 439 6446

info@phoseon.com

www.phoseon.com