



FOR IMMEDIATE RELEASE:

Excelitas Technologies Introduces the Phoseon VeriCure Water-Cooled UV LED Curing System for High-Speed Wood Coating Applications

High-performance, energy-efficient UV LED curing system delivers exceptional UV dose, uniformity, and process control



Pittsburgh, Pa., March 4, 2025 – [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, announces the launch of the [VeriCure™ Water-Cooled UV LED curing system](#)—a wide-format UV source engineered to meet the demanding requirements of wood coating applications.

The VeriCure UV LED system features a patented Semiconductor Light Matrix (SLM) array design combined with a unique high efficiency cooling system, delivering high optical power and outstanding dose performance essential for high-speed processing. Patented SLM control technology provides optimum uniformity across the irradiation area to ensure peak performance and consistent curing quality. With available wavelengths of 365 nm, 395 nm, and 405 nm, the VeriCure system offers versatile integration supported by a comprehensive suite of communication protocols.

Key features and benefits of the VeriCure UV LED curing system include:

- **Increased Productivity:** Exceptional high dose enables faster production and turnaround times.
- **Operational Cost Savings:** High-efficiency UV LED system consumes 60% less energy and reduces maintenance and consumable costs compared to conventional systems.
- **Emitting Window Protection:** Optional secondary glass assembly protects from volatilized compounds, minimizing downtime and repair costs.
- **Extensive Communication Protocol Support:** Integration via PLC and Ethernet with support for OmniCure AC Series, Analog, Modbus TCP/IP, and Phoseon CLIP protocols.
- **Simplified Mechanical Integration:** T-slot design for easy mounting and integration.
- **Eco-Friendly:** High energy efficiency with no mercury or ozone production, promoting a safer working environment.
- **Process Control:** UV LEDs have a very long lifetime, allowing greater precision and consistency in coating applications.
- **Enhanced Finished Product Quality:** UV-curable wood coatings offer excellent adhesion, scratch and wear resistance, and chemical durability.



- **Instant On/Off and Adjustable Output:** No warm-up time with customizable output levels for better energy efficiency and longer LED lifetimes.

“The VeriCure UV LED system represents a significant advancement in wood coating technology, providing unmatched performance, efficiency, and environmental sustainability,” said Peter Cop, Senior Product Manager, Excelitas Technologies. “Its patented design ensures superior uniformity and control, enabling our customers to achieve higher productivity and exceptional curing quality.”

The VeriCure UV LED curing system addresses the increasing demand for improved throughput and environmental sustainability in the wood coating industry. With high power/high dose capabilities to support conveyor line speeds of up to 50 m/min, the VeriCure system unlocks new possibilities for high-performance wood coating applications.

For more information about the VeriCure UV LED curing system, please visit <https://www.excelitas.com/product/phoseon-vericure-water-cooled-uv-led-large-area-curing-system>. The VeriCure system will be showcased at Excelitas booth #531 Hall 4 during the European Coatings Show, March 25-27, 2025, in Nürnberg, Germany.

###

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.

Connect with Excelitas on LinkedIn, Facebook, X and Instagram, or visit the Excelitas website at www.excelitas.com for more information.

Excelitas®, Excelitas Technologies® and OmniCure® are registered trademarks and VeriCure™ is a trademark of Excelitas Technologies Corp. All other products and services are either trademarks or registered trademarks of their respective owners.

PR Contacts:

Scott Orr
Senior Director of Global Marketing – Commercial
scott.orr@excelitas.com
+1 (781) 996-5925

Cheryl Reynhout or Jill Anderson
On behalf of Excelitas Technologies Corp.
SVM Public Relations
excelitas@svmmarcom.com
+1 (401) 490-9700