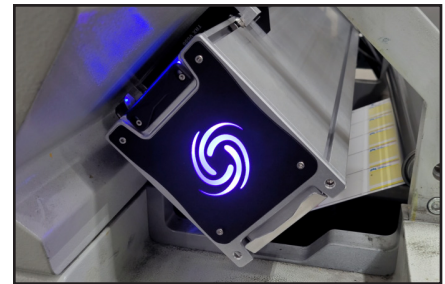


UV LED Curing Solutions

Product Overview

Phoseon Technology, an Excelitas Technologies company, provides patented and proprietary LED curing solutions that offer high-performance and long lifetime. The Company is 100% focused on LED technology and provides worldwide sales and support capabilities.



Company

- In-house R&D
- Internal Manufacturing
- Thermal Management
- Custom Optics

Products

- Optimized Performance
- Rugged & Reliable
- Extensive Portfolio
- Long Lifetime

Solutions

- Patented Technologies
- Application Specific
- Engineering & Maintenance Services
- Scalable Lengths



Phoseon LED Curing Technology

Phoseon utilizes its semiconductor, solid-state background to develop solutions. Our products combine LED arrays, advanced optics, thermal management, and electronic control to provide simple integration and trouble-free operation. Phoseon is an ISO 9001 certified corporation with over 2 million hours of internal LED lifetime testing.

Product Name	Emitting Width (mm)	UV Power (Per 25mm Length)	Key Features
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Nexus ONE™

Nexus ONE AC

Air-cooled 



300
375
450 x 20
525
600

65W

- Routine maintenance reduced
- No chiller needed
- Easy mounting with common form factor
- Ethernet communications
- Up to 220 m/min (720 ft/min) curing speed
- Flexographic applications

Nexus ONE WC








Water-cooled 



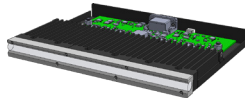

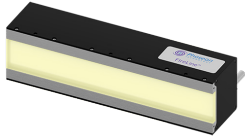
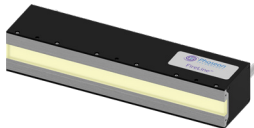



675 x 20

95W

- High power
- Quiet operation
- Rugged & reliable in tough environments
- Easy mounting with common form factor
- Ethernet communications
- Up to 320 m/min (1050 ft/min) curing speed
- Flexographic applications

Product Name	Emitting Width (mm)	Peak Irradiance (W/cm ²) @ Wavelength (nm):		UV Power (Per 25mm Length)	Key Features
		365	385/395/405		
FireJet™ Air-cooled 					
FireJet ONE	75 150 225 x 20 300 375	12	20	70W	 TargetCure™ technology  WhisperCure™ technology <ul style="list-style-type: none"> • Scalable • High irradiance • Small form factor
FJ100	75 150 225 x 20 300 375	8	16	53W	 TargetCure™ technology  WhisperCure™ technology <ul style="list-style-type: none"> • Scalable • High irradiance • Digital/analog control
FJ240	75 150 225 x 40 300	8	16	130W	 TargetCure™ technology <ul style="list-style-type: none"> • Scalable • High dose • Digital/analog control
FJ801	100 x 100	1.2	1.7	42W	 TargetCure™ technology <ul style="list-style-type: none"> • Scalable • Exceptional uniformity • Separate controller • Area curing applications

Product Name	Emitting Width (mm)	Peak Irradiance (W/cm ²) @ Wavelength (nm):			UV Power (Per 25mm Length)	Key Features
		365	385/395/405			
FireEdge™ 						
FE410 	80 120 160 180 240	x	10	6	10	20W <ul style="list-style-type: none"> TargetCure™ technology WhisperCure™ technology Full cure Optics options Analog control Small form factor
FE100 	80 120 180 240	x	10	1	2	3W <ul style="list-style-type: none"> WhisperCure™ technology Natural convection cooling Thin form factor Analog control Pinning and gelling
FireLine™ 						
FL440 	125 150 225 250 300	x	40	12	16	150W <ul style="list-style-type: none"> Scalable High dose High irradiance Digital/analog control High performance curing applications
FL400/FL400SLD 	125 150 225 250 300	x	20	12	24	100W <ul style="list-style-type: none"> Scalable Digital/analog control High performance curing applications
FL200 	75 125	x	10	10	25	30W <ul style="list-style-type: none"> Scalable Separate controller Ethernet control Small form factor

Phoseon products are available in custom configurations for unique applications. Emitting window specifications refer to the dimensions (L x W). Irradiance measurements are taken at the emitting window. Phoseon systems are CE, RoHS, and REACH compliant.

Innovative Technology

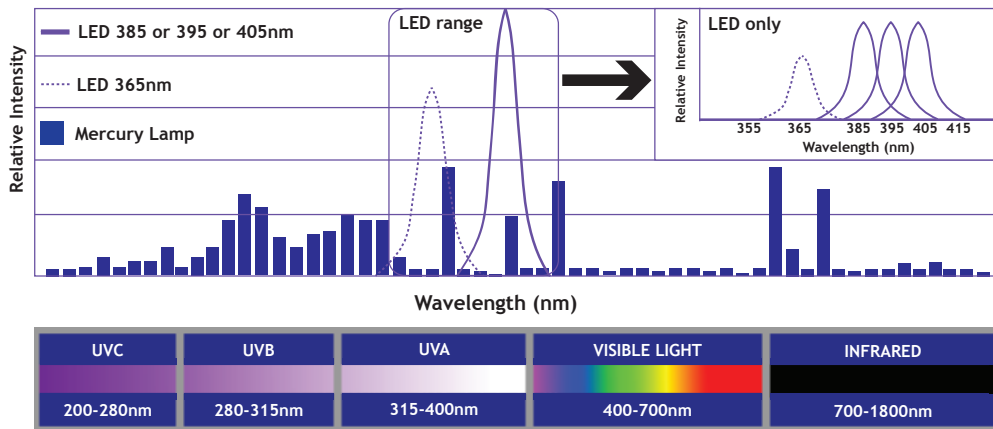
Phoseon pioneered and patented Semiconductor Light Matrix (SLM)[™] technology driving high-power UV LED technology to manufacture environmentally clean, cool operating, and highly efficient ultraviolet curing products.

Our components are strictly engineered into a system that provides maximum UV energy, controlled curing intensity, and superior performance for demanding applications including those using heat-sensitive and thin substrates.



Building on the SLM foundation are the patented TargetCure[™] and WhisperCure[™] technologies. TargetCure technology delivers precise, stable and consistent curing. WhisperCure offers a low-sound solution with increased UV output.

UV LED vs Mercury Wavelength

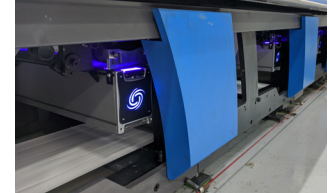


Stay Ahead with Phoseon

- Environmentally sustainable solution
- Proven reliability with over 300 patents
- Surpassing 70,000 hours of operational life
- Shipped over 150,000 units worldwide
- 2 million hours of SLM lifetime testing
- ISO certified company

APPLICATIONS

Phoseon products are successfully curing adhesives, coatings, and inks in many demanding applications today.



Labels & Packaging



Wood Coatings



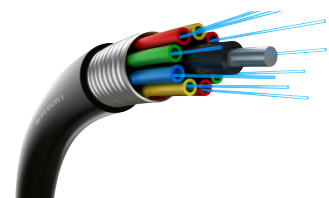
Electronics Manufacturing



Coding & Marking



Container Decoration



Fiber & Wire Coating