

Phoseon Introduces New High-Intensity Solid-State UV Light System

Phoseon's water-cooled RX Starfire provides higher output and capacity for faster curing times, and is well suited for UV inkjet applications.

Hillsboro, Oregon (August 9, 2006) -- Phoseon Technology (www.phoseon.com) today announced the availability of a water-cooled version of the RX Starfire solid-state UV light source for curing applications. The new product will be shown in Phoseon's booth, number 0713, at SGIA 2006 (September 26th-29th at the Las Vegas Convention Center). In addition to providing up to twice the UV light intensity for faster ink curing, the new product provides a smaller form factor than the air-cooled version of the RX Starfire, making it attractive for embedding in high-throughput printing equipment that uses UV-cured inks.

Both Phoseon Starfire products employ Phoseon's advanced Semiconductor Light Matrix (SLM) technology. SLM arrays integrate thousands of individual semiconductor UV emitters into a mercury-free UV curing system, with highly efficient power supplies, electronic intensity control, and integrated micro-optics and cooling systems. The products' physical package is far more environmentally attractive and cost effective than that of mercury lamp-based UV light sources, providing an efficient system that is very easy for OEMs to integrate and operate.

"The advantages of Phoseon's SLM technology – including high UV intensities, low heat generation, no ozone or mercury, instant on/off intensity control, and long useful life, make it a natural fit for ink curing applications," said Mark Owen, Phoseon CEO. "The water cooled version of our RX Starfire product line will enable more applications benefiting from high UV intensities, compact size, and low energy consumption."

The RX Starfire system is designed as a high intensity UV light "bar" with configurable emitting lengths. The systems are currently available in standard lengths of 75mm (2.95 in.), 150mm (5.9 in.), 225mm (8.86 in.) and 300mm (11.81 in.) with an emitting width of 20mm (.79 in.). The RX Starfire is currently available in either a water-cooled format or air-cooled format. The water-cooled version is one-fourth the height and can have up to twice the peak output over the same emitting area when compared to the air-cooled version

SLM sources deliver an effective solution for pinning of most UV ink formations and recent testing has shown full cure capability with some newer generation commercially available UV ink sets. For more information on the full range of Phoseon's SLM based UV light system products visit www.phoseon.com/products.

About Phoseon Technology Inc.

Phoseon Technology is the pioneer of Semiconductor Light Matrix (SLM) technology. The company manufactures high intensity light sources and equipment that use SLM technology to enable faster, cleaner, and more efficient industrial processes for semiconductor inspection, lithography, and the UV curing of photopolymers in adhesives, inks, and coatings. Phoseon's portfolio of products includes the RX series of high intensity UV light sources, the MX series of through-Silicon automated inspection systems, and the FX series of fluorescent measurement systems for organic materials. Founded in 2002, Phoseon is a venture-funded, privately-held corporation headquartered in Hillsboro, Oregon.

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For further information, please contact:

Tom Molamphy,
Phoseon Technology,
Phone: (503) 439-6446,
Fax: (503) 439-6408

tom_molamphy@phoseon.com

