



**Summit UV Info:**  
(260) 244-1820  
[www.summituv.com](http://www.summituv.com)

**FOR IMMEDIATE RELEASE**

**Public Relations Contact:**  
Mario Carluccio  
(603) 352-6327  
[mcarluccio@summituv.com](mailto:mcarluccio@summituv.com)

## **HEXION PARTNERS WITH SUMMIT UV FOR UV LED CURABLE INKJET OFFERINGS**

### ***Go Green-er while Reducing Operating Costs in UV Inkjet Printing***

**Columbia City, IN. (May 2, 2008)** – To be demonstrated at the upcoming RadTech UV/EB Technology Expo in partnership between Summit UV and Hexion Specialty Chemicals will be one of the latest advancements in UV inkjet for wide format and industrial printing applications. Based on the unique LED curing technology developed by Summit UV and using an optimized CMYK ink set developed by Hexion, images will be inkjet printed with Spectra piezoelectric printheads and then cured entirely by low energy and low temperature light emitting diodes (LEDs).

The advantages in using LED technology versus traditional mercury UV lamps for curing include very low heat generation, instant on/off, no bulbs or other consumables, no ozone emissions, no hazardous mercury bulbs, and very low energy costs. "Providing the best solution for end-users to realize these advantages requires the right match in expertise with UV inkjet chemistry and LED curing technologies," says Mario Carluccio of Summit UV. "We believe that Hexion Specialty Chemicals is an excellent partner in this pursuit. Their industry leading UV inkjet inks producing high quality print images with superior adhesion and flexibility on a variety of substrates well summarizes what makes this company different and well positioned to assist end-users in realizing the benefits of our unique UV LED curing units."

The unique advantages of the Black Diamond™ 365 Series from Summit UV as compared to conventional high intensity LED lights is its shorter single-peak 365nm UV-light wavelength and its much higher outputs in an air-cooled only lighthouse for units delivering up to 4.0W/cm<sup>2</sup> peak irradiance. The benefit in operating at the 365nm wavelength is many more available chemistry options being that it is a most common peak already used with traditional mercury UV lamps (i.e. mercury I-line). The higher power output produced is easily

measurable using standard off-the-shelf radiometers, such as the EIT Power Puck. The patent-pending multi-faced array requires significantly fewer LED packages for more efficient product configurations.

The new LED curable inkjet inks developed by Hexion Specialty Chemicals are targeted at both the Graphic Arts and Industrial printing markets. According to Dan Wilson, the chief formulator of this new technology, "despite the formulating challenges of this project, we believe that there are multiple opportunities to develop ink sets that are fully cured with the LED output for specific performance areas. We look forward to continue the development on a number of these fronts, working closely with Summit UV, who is clearly a leader in developing LED curing units."

Summit UV and Hexion Specialty Chemicals will both be demonstrating UV LED inkjet printing in their respective booths # 633 and # 642 at the RadTech event in Chicago, Illinois on May 5 – 7. Arrange appointments in advanced by contacting Mario Carluccio at (260) 244-1824 or [info@summituv.com](mailto:info@summituv.com).

###

Summit UV, through its Business Products heritage as an innovative commercial print provider offering offset, screen, pad and inkjet technologies, has served the printing industry since the late 1970s. The debut of its first UV LED curing units at SGIA 2007 trade event in Florida is a result of four plus years in the development of a more efficient, economical and greener solution for UV-curing. For more information, please visit [www.summituv.com](http://www.summituv.com).

Hexion Specialty Chemicals, based in Columbus, Ohio, is the global leader in thermoset resins. Hexion's broad range of binding, bonding and coating resins, adhesives and specialty products are used by manufacturers around the world in a diverse range of industries and applications. Hexion had 2007 sales of \$5.8 billion and employs more than 7,000 associates. For more information, please visit [www.hexion.com](http://www.hexion.com).