

FOR IMMEDIATE RELEASE

Toyo Ink Launches New Water-Based Flexo Lamination Ink for Flexible Packaging Applications

Retort-Stable up to 250°Fahrenheit – A World's First!

September 30, 2009, Teaneck, New Jersey—Toyo Ink Mfg. America, LLC, a member of the Toyo Ink Group, today announced it has commercially launched a new AquaLiona™ series of water-based flexographic lamination ink for conventional and retort pouch packaging. Toyo's new AquaLiona ink prints on various substrates ranging from BOPP, PET, PVDC coated films to nylon and works well with a wide array of lamination adhesives such as solvent-based, water-based and solvent-less types. On top of that, the new series can be used for retort food packaging applications with the addition of a hardener that enhances resin durability. This enables AquaLiona to withstand temperatures up to 250° Fahrenheit, thus making it the world's first water-based flexo system to achieve this performance benchmark.

Toyo Ink newly engineered an ink resin and other composition components that comprise the basic structure of AquaLiona, improving its compatibility on various substrates and performance of various physical properties. With conventional flexo inks, there are discrepancies in print reproducibility and uniformity when applying the inks on to film. The new AquaLiona series, however, improves print resolubility and on-press stability and offers superior bonding strength, providing excellent transfer of inks from plates to films. Moreover, its remarkably low solvent (alcohol / glycol) retention and ability to handle microwave reheating makes retort-stable AquaLiona ideal for dry, oily or wet food packaging applications where product purity is an absolute must.

In addition to demonstrating superior performance under strict retort conditions, the new AquaLiona water-based system provides an excellent barrier to odor, particularly ammonia, further bolstering Toyo's ever-growing eco-friendly product lineup. The Toyo Ink Group has long focused efforts on the development of environmentally compatible products such as water-based inks, solvent-recycling inks and solvent-less lamination adhesives for the packaging field as part of its commitment to reduce the environmental footprint of its products and operations.

“At Toyo Ink, we feel flexographic and gravure printing processes can coexist in the flexible packaging sector. Flexo printing technology is suitable for short-run jobs where the end-user is looking to reduce excess inventory or waste,” comments Toyo Ink Mfg. America's packaging inks marketing manager, Shingo Harako. “And as the majority of converters use flexo presses in the US, Toyo's new AquaLiona product is sure to open up new growth avenues for converters not only to become greener, but also meet the high-purity packaging needs of their customers.”

Toyo Ink Mfg. America will be showcasing the new AquaLiona series along with the company's complete lineup of packaging products and materials at **Booth #S-5101 at**

Pack Expo Las Vegas, Las Vegas Convention Center, Nevada, from October 5 – 7, 2009. For more information, please contact a Toyo Ink sales representative at +1-201-937-7424.

About Toyo Ink Mfg. America, LLC

Founded in 1976 as a pigments distributor for the Toyo Ink Group, Toyo Ink Mfg. America, LLC has diversified its operations and is now a leading manufacturer and distributor of packaging inks, adhesives, organic pigments, specialty chemicals and polymers for coatings, for the North American marketplace. We work closely with our customers and engineers at Toyo Ink R&D laboratories in Japan, Europe and around the world to ensure customers receive the best product or material available. Toyo Ink Mfg. America's sales and administrative arm is located in Teaneck, New Jersey. State-of-the-art production site opened in 2008 in Bryan, Texas.

Toyo Ink Mfg. America is a member of the Toyo Ink Group headed by parent company Toyo Ink Mfg. Co., Ltd. of Japan. Established in 1907, the Toyo Ink Group is the world's third-largest printing inks manufacturer consisting of approximately 70 subsidiaries and partners in 17 countries across the globe. The Group offers a wide range of value-added products based on Toyo Ink's core colorants and resins technologies accumulated over the past century.

For more info on Toyo Ink Mfg. America, see www.tima.toyoink.com.

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