



SCREEN Establishes Cooperative Partnership with DNSC, Offering Special Effect Inks and Technologies for Enhanced Security

Kyoto, Japan – September 8, 2017 – SCREEN Graphic Solutions Co., Ltd. (SCREEN GA) has announced a cooperative partnership with Diversified Nano Solutions Corporation (DNSC) to provide special effect inks that offer anti-counterfeit features and more for printed materials, with the Truepress Jet520 series. This partnership will offer anti-counterfeit solutions for high-speed inkjet printing systems, solutions which are increasing in demand. SCREEN GA will demonstrate magnetic (MICR) inks and invisible UV fluorescent inks using the Truepress Jet520NX at its stand 2613 of the PRINT 17 international graphic arts exhibition, held from September 10 (Sun) to 14 (Thu) in Chicago, USA.

In recent years, demand is growing for variable data printing of direct mail, invoices and so on to meet the diverse needs of individual consumers. Given these needs, security-related printing that offers protection of personal information and anti-forgery features is becoming an urgent matter. In response to these trends, SCREEN GA has begun cooperation with DNSC on the Truepress Jet520 series high-speed inkjet press in order to enhance the level of security in printing, made possible with the use of special effect inks and technologies. Cooperation with DNSC will allow SCREEN GA to create new markets for variable data printing with magnetic (MICR) and invisible UV fluorescent inks in the fields of commercial and security printing, as well as for transpromo.

DNSC specializes in developing and manufacturing nano materials and fluids used in high-performance functional inks, such as magnetic (MICR) ink, invisible UV fluorescent inks, infrared-absorbing inks and more. The company also uses its proprietary INKcrypt® technology to recognize specific identifiable information embedded in a unique ink, which can be authenticated through a dedicated website using smart devices. This makes it possible to verify products at the worksite and implement traceability, which helps to eliminate counterfeiting. The ink provided this time is customized for the Truepress Jet520 series and enables the ideal ink jetting on the presses, effectively expanding its possible applications.

SCREEN GA continues to offer various solutions such as special effect inks to bring high levels of added value to inkjet printing systems, allowing its customers to differentiate themselves from their competitors, as the company contributes towards the advancement of the graphic arts industry.

Comments by Seiichi Nakao, Global Business Director of Continuous HSI Printer, SCREEN Graphic Solutions Co., Ltd.

The Truepress Jet520 series has handled a variety of market needs as a high-speed inkjet press since its release. With the addition of DNSC's special effect inks, we expect that the range of applications that can be handled by this series as an inkjet printing system will be expanded further.

Comments by Bruce Carnes, Director of Business Development, Diversified Nano Solutions Corporation

We are pleased to have this opportunity to work in cooperation with an industry-leading manufacturer of inkjet printing systems, the widely-recognized SCREEN brand, in order to offer new possibilities in inkjet output to our customers around the world.

Diversified Nano Solutions Corporation (DNSC)

DNSC specializes in developing and manufacturing high-performance functional inks for digital printing, customer-specific applications, research and surface treatments, as well as the nano materials and fluids used in these inks. DNSC offers an extensive product line of inks known as x-nano™, and provides a wide range of solutions that include magnetic inks, invisible fluorescent inks, infrared-absorbing inks, special pigmented/hybrid inks, and special pigmented/hybrid inks for food grade and non-food applications.

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