

**The Industry's First Paper-Board Handling Function Developed
for Sheet-Fed Inkjet Printing System
– Prints on up to 0.6-mm (23.6-mil) Thick Paper, Deliver Added Value
to the Packaging Industry through On-Demand Printing –**

The Media and Precision Technology Company (President: Katsuhiko Aoki) of Dainippon Screen Mfg. Co., Ltd. (Headquarters: Kyoto, Japan) has recently developed a new function for the Truepress JetSX full-color, B2, variable sheet-fed printing system, in order to enable printing onto paper up to 0.6-mm (23.6-mil) thick. Mainly targeting the packaging industry, Screen is offering this system as a value-added solution facilitated by on-demand and variable printing.

Since the Truepress JetSX was introduced as the world's first B2 sheet-fed inkjet printing system, it has continually attracted the industry's attention for its high printing quality, as well as its ability to handle offset printing paper, the integration of a duplex printing mechanism, and its environmental awareness. And now, with the evolution of non-contact printing technology through multi-level grayscale printheads, and employing Screen's proprietary paper transport technology, a new function has been added* to that system to enable direct printing** onto a variety of paper up to 0.6-mm (23.6-mil) thick. Naturally, this includes the most commonly used paper package material, coated board and cardboard.

This paper-board function will accelerate the practical application of on-demand and variable printing, which have yet to fully permeate the packaging industry. It will also contribute greatly to improving added-value in packaging through such features as a traceability function employing serial numbers or control barcodes, and the personalization of gift wrapping. This function is also an answer to the diverse short-run printing and zero-inventory needs of the commercial packaging field, such as with machine parts, pharmaceuticals, and medical equipment. It also includes a color management function that expresses spot colors easily. In addition to their safety and weather-resistant characteristics, Screen's original water-based pigment inks display excellent compatibility with varnish coating and laminating. This added value is unique to a sheet-fed inkjet printing system and transcends the conventional concept of paper products like packaging with paper board.

At drupa 2012, the leading international trade fair for the print and media industry, held in Düsseldorf, Germany from May 3 (Thursday) to 16 (Wednesday), 2012, Screen will be exhibiting an actual Truepress JetSX along with printed samples using close to 0.6-mm (23.6-mil) thick paper. In addition to conventional commercial printing, Screen presents solutions that take the lead in the shift to personalization occurring in the package printing field, while promoting the creation of even new added value through on-demand and variable printing.

* System option

** Available only during simplex printing



Truepress JetSX

Please download the photo from
www.screen.co.jp/eng/press/nr-photo_2012-2013.html