



**For immediate release
17th June 2009**

Screen adds to its flexo range with upgraded PlateRite FX870II and Flexo Dot halftone dot system

Screen has launched a new version of its thermal platesetter for the flexo and letterpress markets. The PlateRite FX870II features high-quality imaging technology that enables output up to 4,800 dpi, satisfying the increasing demand for fast turnarounds.

The PlateRite FX870II is the world's first flexo platesetter to offer a maximum resolution of 4,800 dpi as a standard feature. This high resolution significantly improves the smoothness of curves and diagonals, and its reproduction of fine lines and small text is outstanding. Gradations appear smooth especially in the highlights.

The use of combination presses is becoming more widespread in the packaging and labels industries in order to deliver fast turnaround products at high speed. Therefore there is an increasing need for prepress equipment that offers both better quality and increased productivity. Designed to meet these growing needs, the PlateRite FX870II is a high-quality, high-productivity unit that features a newly-developed high-output recording head, as well as an auto-balancing function that ensures stable drum rotation.

Screen's proven advanced thermal laser technology can image advanced digital plates from a variety of leading manufacturers, producing consistently high quality. The PlateRite FX870II provides better productivity in every aspect of the CtP process, from plate mounting to exposure. Plates can be loaded in any size from 100 x 100mm up to 870 x 762mm without any extra handling or masking of the drum.

The elimination of intermediate production steps involving film also frees the operator from time-consuming tasks such as preparing the film, step-and-repeat operations, and imposition work. The PlateRite FX870II reduces the number of stages required before printing and improves the resin plate quality. All of this allows the efficient use of press time.

To further improve productivity, the PlateRite FX870II also features a clamp that makes plate loading simple and efficient, as well as a variety of other mechanisms that make the unit extremely easy to operate.

Flexo Dot halftone dot system

Flexo Dot is a new system of halftone dots from Screen, specifically designed to improve the highlight areas in flexo and letterpress printing. It features a minimum halftone dot size of several dots, as opposed to the conventional halftone dot comprising a single dot.

By applying a reinforcing pattern to the base halftone dot shape, the relief patterns in the highlight areas are more consistent, allowing more control and crisper images. It also provides a greater range of gradation, as the minimum halftone dot shape can be selected from three available types to suit the specifics of the highlight printing according to the platemaking environment and the inks and media.

By adding the option of output to thermal offset printing plates with the PlateRite FX870II as well as the introduction of Flexo Dot, Screen continues to strengthen its flexo and letterpress line, while providing products to further expand its markets and meet the diverse needs of its customers.

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Image: an image is available to download direct from <http://www.grafixwire.info/plogger/?level=picture&id=492> (click on image and right click to save high res jpeg) or on request from melindaw@splashpr.co.uk

About Screen:

Dainippon Screen Mfg. Co., Ltd (Kyoto, Japan) is one of the world's largest manufacturers and suppliers of system components for the prepress and printing industries. Its large range of equipment includes workflow systems, RIPs, proofing systems, platesetters and digital printing presses. The company is also a well-known manufacturer of equipment for the semiconductor and flat panel display manufacturing industries.

To find your local supplier of Screen technology and detailed information on all Screen products visit www.screeneurope.com

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