

**Sales Commence of a New Halftone Dot Suitable for 4,800 dpi  
Flexo/Letterpress Printing  
— High-end Imaging Technology (up to 4,800 dpi) and Advanced Halftone Dot  
Technology Make Higher Quality Output a Reality —**

The Media and Precision Technology Company (President: Kyohei Fujisawa) of Dainippon Screen Mfg. Co., Ltd. (Headquarters: Kyoto, Japan), is releasing Flexodot 4800, a new halftone dot for the flexo/letterpress industries that makes the most of Screen's 4,800 dpi resolution imaging technology. Worldwide sales of Flexodot 4800 will commence around the end of September, starting in Japan.

The trend towards the use of digital platemaking and the installation of CtP systems in the flexo and letterpress industries in the past few years has contributed to improved print quality and more streamlined processing. Screen's release of the PlateRite FX870 in the fall of 2006, specifically, proved to be an impetus for the increased use of CtP systems in the letterpress industry. What's more, the recent penetration of one-pass flexo printing presses capable of high-end printing has resulted in increased demand for platemaking systems capable of both high quality and high resolution.

Developed in acknowledgement of these trends, Screen's new Flexodot 4800 makes it possible to create extremely small, precise halftone dots that are suitable for output at high resolutions up to 4,800 dpi, given the right printing environment, including appropriate platemaking and proper inks and media. Flexodot 4800's remarkably small dots produce smooth, natural-looking gradations, even in the extreme highlight areas. The minuscule 4,800 dpi high-resolution dots are significantly smaller than those used in 2,400 dpi printing in the past. What's more, Flexodot 4800 not only uses smaller dots to create the output image, it also features a reinforcement pattern for the halftone dots forming the base of the image that stabilizes the relief structure in the highlight areas. As a result, Flexodot 4800 can be used to produce gradations as smooth as those seen in offset printing\*, while maintaining the superior density that users have learned to expect from flexo printing. At the same time, Flexodot 4800 significantly reduces jaggies in diagonal lines and curves, and dramatically improves the reproduction of fine lines.

Both the PlateRite FX870II and PlateRite FX 1524 thermal CtP recorders for the flexo/letterpress industries can use Flexodot 4800. These models feature a newly developed, high-power imaging head and an auto-balancing function that ensures stable rotation of the drum, which enable them to provide high-quality imaging while maintaining superior productivity. They also offer excellent operability, thanks in part to a clamp mechanism that simplifies plate loading.

By adding Flexodot 4800 to its flexo/letterpress equipment lineup, Screen looks forward to covering an even wider range of needs for the world's flexo/letterpress industries, while increasing its share in related markets. Screen will continue to release products that cover users' increasingly varied needs as it aims to take its place as a leading manufacturer of prepress and printing equipment for the flexo and letterpress industries.

\* Equivalent to 200 lpi.

Note: The new Flexodot 4800 halftone dots will be exhibited at the Labelexpo Europe 2009 label printing exhibition, which takes place in Brussels, Belgium, September 23 through 26. Samples will be available. In Japan, similar samples will be available at JGAS 2009, the Japan Graphic Arts Show taking place at Tokyo Big Site in Ariake, Tokyo, Japan, October 6 through 10.