

PlateRite 4300 - a new model in Screen's 4 page thermal PlateRite series

IPEX, Birmingham: April 9, 2002 – Dainippon Screen Mfg. Co., Ltd. (Screen) announced at IPEX the PlateRite 4300, a new thermal computer to plate (CTP) recorder in its 4-page PlateRite series. The new model has been developed to support the larger format 4-page presses which are fast becoming popular in the market.

The plate format of some of the latest generation 4-page presses from major press suppliers has been stretched up to 745 x 660 mm. The PlateRite 4300 has been developed to support these larger versions of 4-page presses by extending its maximum plate size to 830 x 660 mm, as well as to support some of the smaller 2-page presses by reducing the minimum plate size down to 324 x 370 mm. Compared to other 4-page PlateRite models, the PT-R4300 is slightly faster at 20 plates per hour¹ to satisfy the needs of those customers requiring higher productivity.

The PlateRite 4300 features Screen's unique clamping and automatic drum balancing systems, which provide the precision and stability required to handle a wide range of plate formats at high speed. The PlateRite 4300 also features the same automatic in-line plate punching as used in other PlateRite models, which is a key feature for maintaining high-precision plate registration to enable quick make-ready times on the press.

Automatic plate handling is an important feature for many CTP users to enable the maximum use of the system and to increase profitability. The PlateRite 4300 has an optional single-cassette autoloader – with automatic interleaf paper removal – which can hold up to 100 plates, as well as a multi-cassette autoloader which comes with three cassettes. The multi-cassette autoloader enables up to 300 plates of three different sizes to be loaded into the PlateRite 4300 without operator intervention. An automatic processor bridge is also available to extend the automation process all the way through to the plate processor.

Trueflow, the world's first Web browser-operated PDF workflow solution; the widely installed TaigaSPACE system; as well as the Harlequin-based HQ-510 RIP are available as front-end systems to drive the PlateRite 4300. Moreover, in combination with Screen's workflow solutions, Spekta screening – the remarkable AM/FM hybrid screen pattern – brings outstanding print quality with the minimum of effort on the press. Spekta screening combines the best features of both conventional and stochastic screening, and thereby achieves 300 lpi quality under 150 lpi printing conditions.

¹ 724 x 615 mm at 2400 dpi



The PlateRite 4300 broadens an already formidable thermal CTP lineup. Screen now offers five CTP products in the PlateRite range; the PlateRite 4300; the B2 PlateRite 4000II; the B1 PlateRite 8000; the new B3-to-B1 PlateRite 8000II, and the high-speed PlateRite 8600.

Shipments of the PlateRite 4300 are scheduled to commence in June 2002.

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 scanners, RIPs, proofing systems, and imagesetters, as well as platesetters and digital printing presses. The company is also a well-known manufacturer of equipment for the semiconductor and flat panel display manufacturing industries.

Trademarks

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