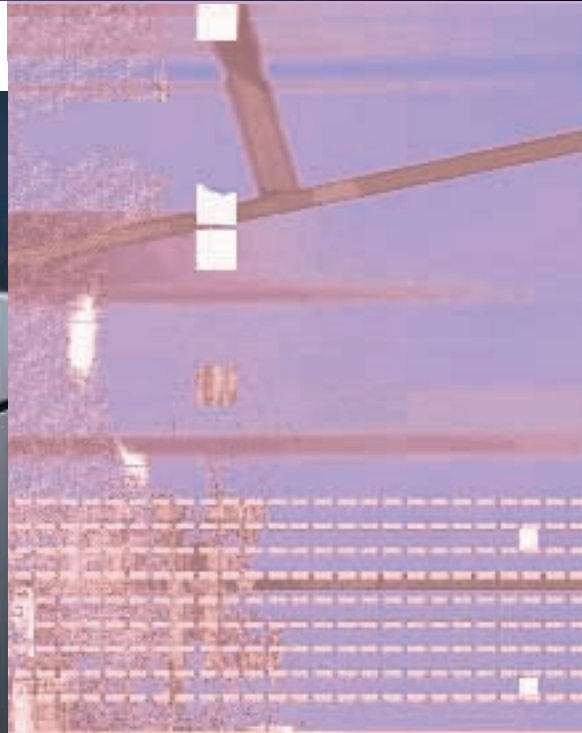


PlateRite 8100

Thermal Plate Recorder



The move to high-quality thermal CTP has never been easier



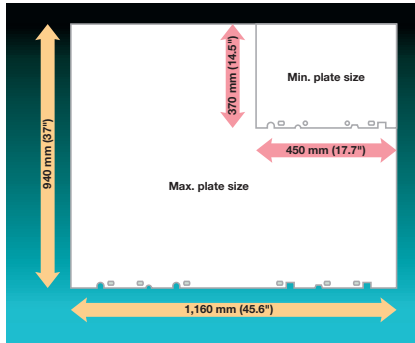
Dainippon Screen's PlateRite series of thermal CTP (computer-to-plate) recorders are known around the world for their high-quality and accuracy. They offer unbeatable reliability, as well as the advantages of easy daylight handling and support for long run lengths. The PlateRite 8100 inherits all these features and is the perfect 8-page CTP solution if you want to minimize the investment required to move to high-quality thermal CTP. Making the move to high-quality thermal CTP has never been easier.

Get the best fit for your pressroom

The PlateRite 8100 is an entry-level platesetter that offers a balance of functionality and cost efficiency. While it requires only a small initial investment, it still offers most of the advantages enjoyed by one of the industry's leading thermal CTP systems, including consistent and reliable output, and outstandingly sharp dots. When imaging a standard plate size (1030 x 800 mm [40.6" x 31.5"]), the PlateRite 8100 will comfortably work at the rate of 8 plates per hour.

High-quality thermal CTP output for a wide range of plate sizes

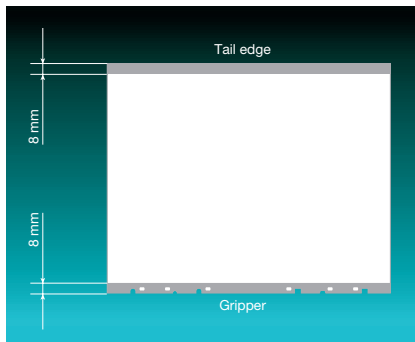
The PlateRite 8100 can output plates for most presses in the B3 to B1 range. Its minimum plate size is 450 x 370 mm (17.7" x 14.5") and the maximum is 1,160 x 940 mm (45.6" x 37"). It can handle plates as thin as 0.15 mm (5.9 mil) and as thick as 0.3 mm (11.8 mil). Low cost, high quality, with flexibility and versatility—the PlateRite 8100 is the answer for the most cost-effective transition to CTP.



Compatible with 8-mm clamps

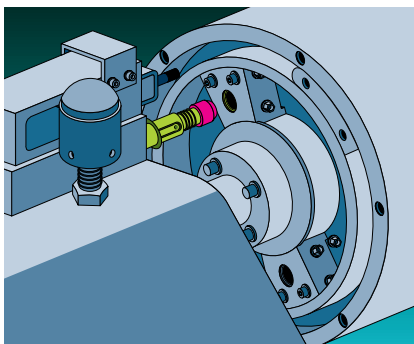
The PlateRite 8100 supports the use of 8-mm clamps as well as common 12-mm clamps. Most web offset presses require smaller clamp sizes to ensure that the maximum imaging area is made available.

By supporting 8-mm clamps the PlateRite 8100 is able to cover the requirements of both web and sheet offset presses.



Intelligent auto-balance system

Thanks to this auto-balance system, no manual adjustments are required for drum balance when switching to a different sized plate. All you need to do is select the plate size from the display menu and the auto-balance system automatically optimizes the balance of the recording drum.



Automatic inline punching

Screen's automatic inline punching system is the industry leader for enabling perfect register on press. It does this by performing the two types of punching (for press and platesetter registrations) at the same time, immediately before mounting the plate on the drum. This method gives much greater accuracy compared with either manual or off-line punching. It also eliminates human error and achieves faster press makeready. Up to eight punch blocks can be mounted and selected according to plate size and press type.



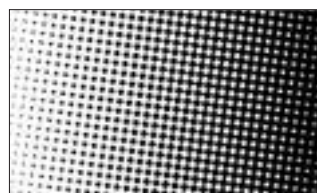
Single-cassette autoloader (Option)

The SA-L 8100 single-cassette autoloader (due for release Q1 2003) holds up to 50 plates. It picks up plates from the cassette without making any contact with the sensitive emulsion side of the plates, eliminating the risk of plate damage. Manual loading is also possible, providing the flexibility to use different sized plates whenever required. An automatic processor bridge* is also available to extend this automation all the way through to the plate processor.

* Requires the installation of a rear discharge kit

Spekta AM/FM hybrid screening

The PlateRite 8100 supports Spekta screening. Spekta combines the strengths of both conventional AM screening methods and advanced FM (stochastic) screening. This makes it possible to produce extraordinary quality with ordinary screen rulings. All the dots in Spekta screens are at least slightly randomized so that moiré and visible rosette patterns can never occur. And by applying FM screening methods to highlights and shadow areas, Spekta produces breathtaking detail and color completely free of jagged edges and broken lines. Spekta screening and the PlateRite 8100 make an unbeatable combination.

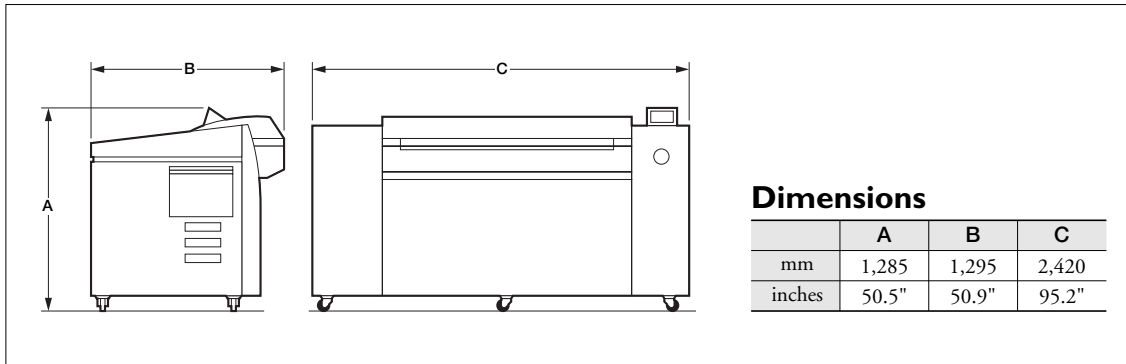


AM screening



Spekta

Space requirements



PlateRite 8100 specifications

Model name	PT-R8100
Recording system	External drum
Light source	16-channel infrared laser diodes
Plate size	Maximum 1,160 mm x 940 mm (45.6" x 37") Minimum 450 mm x 370 mm (17.7" x 14.5")
Exposure size	Maximum 1,160 mm x 924 mm (45.6" x 36.3")*
Across the drum	Same as plate size
Around the drum	Plate size less 16 mm (0.62") or 24 mm (0.94")
Media	Thermal (infrared sensitive) plates
Media thickness	0.15 mm to 0.3 mm (5.9 mil to 11.8 mil)
Resolutions	2,400 dpi
Repeatability	±5 microns**
Productivity	8 plates/hr***
Interface	Fast PIF
Plate transport	Manual loading Semi-automatic loader (optional)
Punch systems (optional)	SCREEN, Bacher, Stoesser, Protocol, Heidelberg, Grapho Metronic, and others
Dimensions (W x D x H)	2,420 mm x 1,285 mm x 1,295 mm (95.2" x 50.5" x 50.9")
Weight	Approx. 1,150 kg (2,530 lb.)
Environment	18°C to 26°C (64.4°F to 78.8°F), but 23°C ±2°C (73.4°F ±3.6°F) recommended 40% to 70% relative humidity (non-condensing)
Power requirements	Single phase 200 V to 230 V, 11 A, 5.0 kW****

* Use of 8-mm clamps results in 16-mm reduction of exposure size. Use of 12-mm clamps results in 24-mm reduction.

** May vary depending on the sensitivity of the media and selection of clamp size.

*** For 1,030 mm x 800 mm (40.5" x 31.4") plates.

**** Also covers power requirements of SA-L, AT-T, & blower unit.

Note: PT-R8100 requires installation of a rear discharge kit to configure it with an inline processor.

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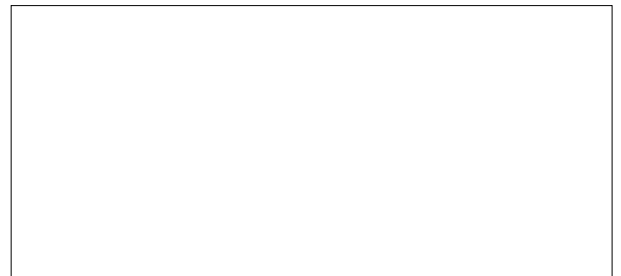
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• Printed on recycled paper.

• This brochure was printed using Spekta AM/FM hybrid screening.



We reserve the right to alter product design and specifications without prior notice.