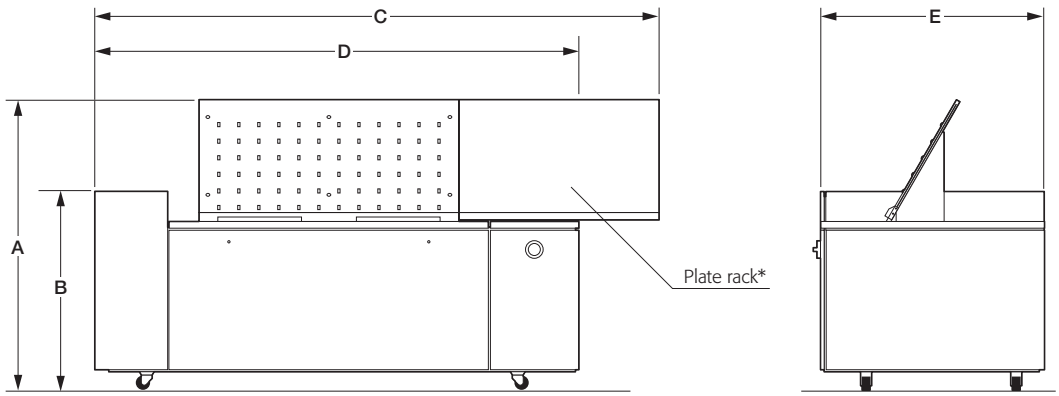
Dimensions



* Stand for temporarily storing an exposed plate so the next plate can be set (standard accessory).

	A	B	C	D	E
mm	1,460	1,000	2,820	2,420	1,120
inches	57.5"	39.4"	111.1"	95.3"	44.1"

PlateRite 8600M specifications

Product Name	PlateRite 8600M-S	PlateRite 8600M-E
Model Name	PT-R8600M-S	PT-R8600M-E
Recording system	External drum	
Light source	64-channel laser diodes	32-channel laser diodes
Plate size	Maximum 1,150 x 940 mm (45.2" x 37.0"); Minimum 304 x 300 mm (12.0" x 11.9") *1	
Exposure size	Maximum 1,150 x 916 mm (45.2" x 36.0")*1 *2 *3 [Maximum 1,150 x 916 mm (45.2" x 36.0") at 900rpm; Maximum 1,150 x 920mm (45.2" x 36.2") at 600rpm]	
Plate	Thermal aluminum plate	
Plate thickness	0.15 to 0.3 mm (6 to 11.8 mil)	
Resolutions	2,400/2,540 dpi*4	
Repeatability	± 5 µm*5	
Productivity	20 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi *6 *7	13 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi *6 *7
Interface	F-PIF	
Plate transport	Semiautomatic loading	
Dimensions (W x D x H)	Main unit: 2,420 x 1,120 x 1,460 mm (95.3" x 44.1" x 57.5"); Blower unit: 693 x 675 x 550 mm (19.6" x 26.6" x 21.7")	
Weight	Main unit: 850 kg (1,870 lb); Blower unit: 85 kg (187 lb)	
Power requirements	Main unit: Single phase 220 V to 240 V, 25A, 3.3 kW Blower unit: Single phase 220 V to 240 V, 10A, 1.2kW	
Environment	Recommended: 21 to 25°C (69.8 to 77°F); Required: 18 to 26°C (64.4 to 78.8°F); Relative humidity: 40 to 70% (no condensation)	
Applicable standard	Conform to IEC 60950-1	

**1. The width of plate between 570 mm and 624 mm can not be used.*

**2. Only 12-mm leading edge clamps are available. Trailing edge clamps are available in 12-mm and 8-mm sizes. (Productivity is reduced when 8-mm trailing clamps are used.)*

**3. When using the small size plate (304 to 570 mm), the front clamp is 13mm. *4. 1,200 dpi uses 2,400 dpi double dots.*

**5. Over four consecutive exposures on one plate at 23°C (73.4°F) and 60% relative humidity. *6. Productivity may vary depending upon media sensitivity.*

**7. The productivity is calculated, based on 10 sec for took out and set the plate.*

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• This brochure was made using SPEKTA 2 screening.

No.205-140E Printed in Japan 12-10 040FSI(R0-0)

SCREEN

PlateRite 8600M

Thermal Plate Recorder

Creating a Future in Print

PlateRite 8600M-S/E

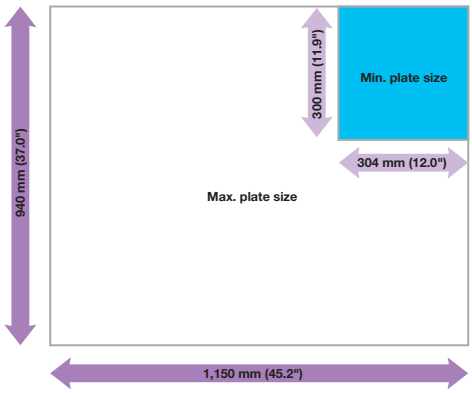
The world's No.1 CtP manufacturer, Dainippon Screen, presents a new, compact model that features everything you need to create a fully digital platemaking workflow.

PlateRite 8600M-S (with plate rack*)
* Stand for temporarily storing an exposed plate so the next plate can be set.

Productivity and versatility of advanced technologies

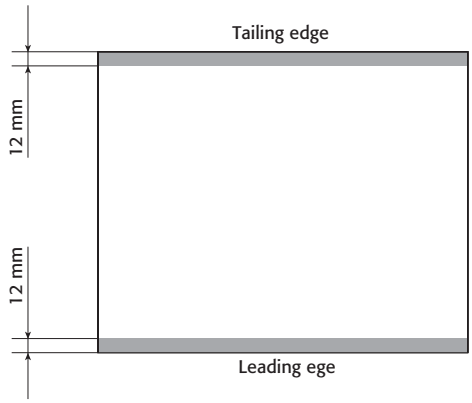
Compatible with plates from a variety of manufacturers

The PlateRite 8600M is suitable for use with a wide variety of plate sizes, from 304 x 300 mm (12" x 11.9") to 1,150 x 940 mm (45.2" x 37"), as well as plate thicknesses ranging from 0.15 mm to 0.3 mm (6 mil to 11.8 mil). By popular request, the PlateRite 8600M is now also compatible with B3-size vertically oriented plates.



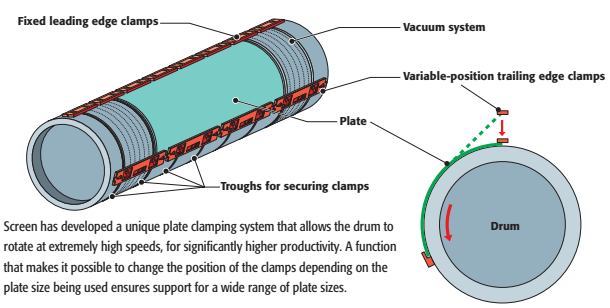
Compatible with 12-mm clamps

The PlateRite 8600M offers support for 12-mm leading and trailing edge clamps, which ensures a large available imaging area on the plate. 8-mm trailing edge clamps can also be used to increase the available imaging area further.



Reliable plate securing system

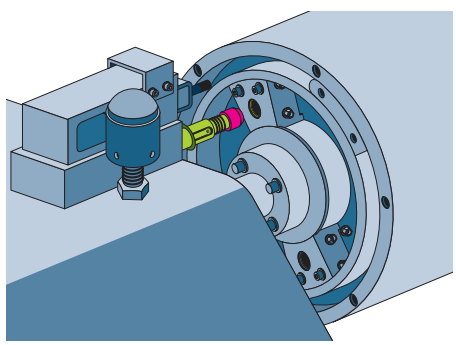
The PlateRite 8600M recorder features an automated clamping and vacuum system.
This system can consistently and firmly secure a wide range of plate sizes, even during fast-rotation/high-speed exposure.



Screen has developed a unique plate clamping system that allows the drum to rotate at extremely high speeds, for significantly higher productivity. A function that makes it possible to change the position of the clamps depending on the plate size being used ensures support for a wide range of plate sizes.

Auto-balance system

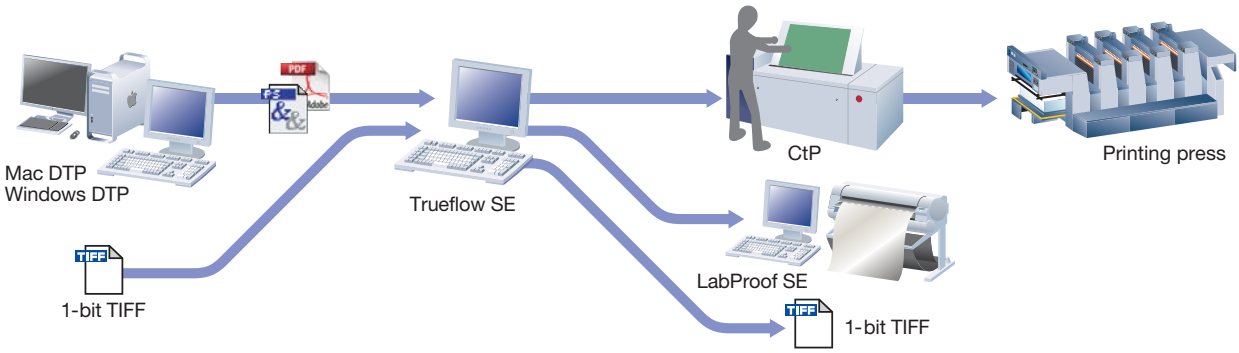
The PlateRite 8600M features Screen's unique auto-balance system. The operator simply selects the plate size and type from the display menu and the auto-balance system automatically fine-tunes and optimizes the balance of the recording drum. This ensures stable drum rotation even at high speeds.



The PlateRite 8600M is a semi automatic thermal CtP recorder that combines Screen's unique external drum technology with high-precision optics to enable timely, high-quality plate output. When you use CtP, there is no need for complex processing and intermediate steps such as outputting layout data to film or exposing plates using film, which makes processing much simpler than the traditional platemaking methods of the past. The use of CtP also frees you from concerns about paste-up errors and foreign-matter contamination, while contributing to increased efficiency in both the platemaking and printing processes. Best of all, CtP output produces sharper halftone dots than traditional platemaking methods, and therefore dramatically improves printing quality.

Safe, efficient, fully digital workflow solutions

An efficient workflow is an indispensable tool for making the best use of a CtP recorder. Screen offers advanced, fast, and safe digital workflows that promote automation and reduce labor throughout the prepress and printing production processes.



Automated JDF-compliant PDF workflow solution

Trueflow SE Version 7

A compilation of the know-how and experience Screen has amassed during its many years in the platemaking and printing industries, the Trueflow SE Version 7 RIP is optimized for printing data handling. Capable of all the tasks required during prepress, from creating imposition schemes and performing imposition to outputting RIPed data, Trueflow SE Version 7 helps you maximize the productivity of the PlateRite 8600M.

For remarkably accurate color proof output

LabProof SE

RIPed TIFF files output by Trueflow SE Version 7 are used in color matching with the aid of high-precision ICC profiles. As a result, proofs that are remarkably similar to the final printed output can be printed using an inkjet printer. This significantly increases proofing speed and cost-performance.

AM/FM hybrid screening

Spekta 2

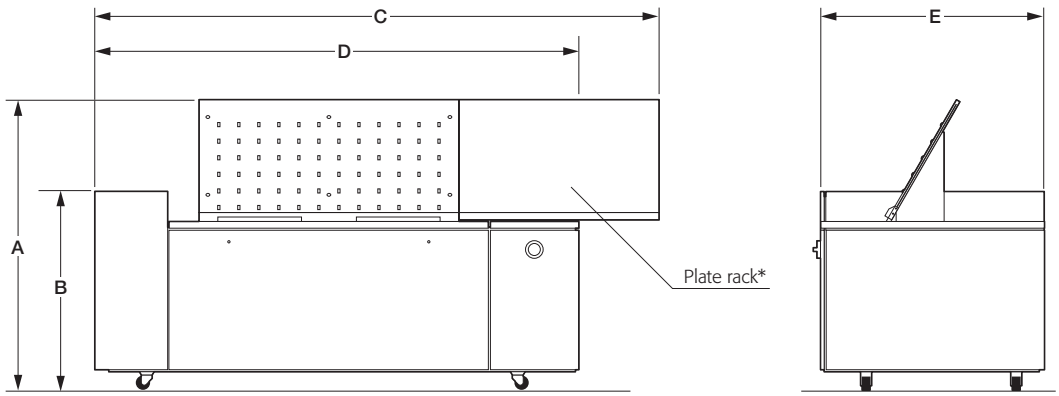
Spekta 2, Screen's hybrid screening, combines the best of AM and FM screening. It reduces moiré, increases color saturation, and eliminates problems with jagged edges on curves and diagonal lines. Spekta 2 screening can reproduce a greater range of midtone colors using a lower halftone dot percentage, thanks to the increase in apparent density that results from optical dot gain. In other words, less ink is required than with standard 175 lpi AM screening.

** This effect does not occur in solid areas.*

Screening lineup

AM Screening | FM Screening | Spekta 2 Screening

Dimensions



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