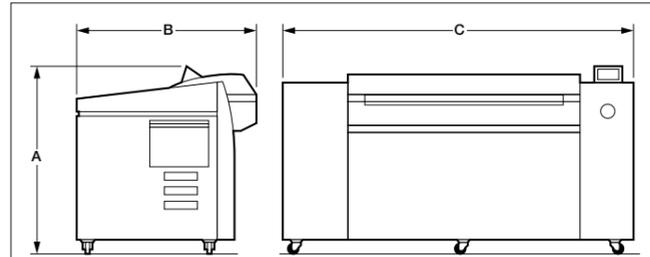


## Space requirements



### Dimensions

	A	B	C
mm	1,285	1,295	2,420
inches	50.5"	50.9"	95.2"

## PlateRite 8600 specifications

Model name	PT-R8600
Recording system	External drum
Light source	64-channel infrared laser diodes
Plate size	Maximum 1,160 mm x 940 mm (45.6" x 37") Minimum 500 mm x 370 mm (19.6" x 14.5")
Exposure size	Maximum 1,160 mm x 924 mm (45.6" x 36.3") Minimum 500 mm x 354 mm (19.6" x 13.9")*
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	1,200/2,000/2,400/4,000 dpi
Repeatability	±5 microns**
Productivity	20 plates/hr at 2,400 dpi (1,030 mm x 800 mm/40.5" x 31.4" plates)***
Interface	Fast PIF
Plate transport	Semi-automatic loading (standard) Fully-automatic loading (optional)
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, and others
Dimensions (W x D x H)	2,420 mm x 1,295 mm x 1,285 mm (95.2" x 50.9" x 50.5")
Weight	Approx. 1,150 kg (2,530 lb.)
Environment	23°C ±2°C (73.4°F ±3.6°F), 40% to 70% relative humidity (non-condensing)
Power requirements	Single phase 200 V to 230 V, 35 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.

Maximum drum speed of 600 rpm for 8-mm clamps or for plates smaller than 650 mm x 550 mm (25.5" x 1.6").

\*\* Over four consecutive exposures on one plate at 23°C (73.4°F) and 60% relative humidity.

\*\*\* Output speed may vary depending on the sensitivity of the media and selection of clamp size.

\*\*\*\* Also covers power requirements of SA-L/MA-8600, AT-T8001, & blower unit.

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Internet web site <http://www.screen.co.jp/>

## SA-L 8600 Single-cassette autoloader specifications

Plate transport	Fully automatic loading and automatic interleaf removal
Cassette capacity	100 plates
Cleaning function	Cleaning roller (cleans both surfaces of plates)
Dimensions (W x D x H)	1,806 mm x 1,758 mm x 1,295 mm (71.1" x 69.2" x 51.0")
Weight	600 kg (1,321 lb.)
Power	Single phase 200 to 230V ± 10%, 5A 1.0kW *
Environment	23 ± 2C (73.4 ± 3.6F), 40 to 70% (non-condensing)
Upgrade paths	Manual to SA-L or MA-L; SA-L to MA-L
Standard accessories	Plate cassette and carrier Interleaf paper collection box
Options	Additional plate cassettes and carriers (with cassette dust covers)

\* Powered by main unit

## MA-L 8600 Multi-cassette autoloader specifications

Plate transport	Fully automatic loading and automatic interleaf removal
Cassette capacity	100 plates per cassette
No. of cassettes	3 cassettes (standard), additional 2 cassettes (optional)
Cassette transport	Fully-automatic (horizontal / vertical)
Cleaning function	Cleaning roller (cleans both surfaces of plates)
Cassette changeover	2 minutes (between 1st and 5th cassette)
Dimensions (W x D x H)	1,806 mm x 3,213 mm x 1,295 mm (71.1" x 126.5" x 50.9") Plate supply section : 1,758 mm x 2,120 mm x 1,295 mm (69.2" x 83.5" x 51.0") Cassette collection section : 1,521 mm x 1,521 mm x 855mm (59.9" x 59.9" x 33.7")
Weight	1,250 kg (2,753 lb.) Plate supply section : 530 kg (1,166 lb.) Cassette collection section : 720 kg (1,586 lb.)*
Power	Single phase 200 to 230V ± 10%, 5A 1.0kW **
Environment	23 ± 2C (73.4 ± 3F), 40 to 70% (non-condensing)
Standard accessories	3 cassettes, interleaf paper collection box
Options	Additional plate cassettes (with cassette trays and drive motors)

\* Increases by 500 kg (1,102 lb.) when fully loaded with cassettes and plates.

\*\* Powered by main unit.

- This brochure was made using SPEKTA screening.
- Printed on recycled paper.



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

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# SCREEN

# O U T P U T

# PlateRite 8600

## Thermal Plate Recorder



# PlateRite 8600

PlateRite 8600



**All plate sizes faster**

**High performance and versatility to keep your pressroom running**

*Higher quality sharp dots, superior run lengths, and easy daylight handling—thermal CTP is a great technology, but it's not only these features that make it the driving force behind so many successful companies today. Keeping the presses running is what it is all about.*

*The PlateRite series platesetters—and their automation options—are at the leading edge of developments in the thermal CTP market. The PlateRite 8600 is a model that provides high productivity with a wide range of plate sizes, from GTO-size to 8-up, and is ideal for exceptionally fast and reliable output from a single unit across this range of plate sizes.*

## **Thermal reliability**

Ordinary photopolymer plates operate by a process of polymerization, in which chemical reactions are caused on the plate by being exposed to light. Any fluctuation in this light source, or in the developing unit, can result in loss of quality through dot gain or loss. Thermal plates, however, operate in a very different way. They only react to high levels of laser exposure. Which basically means the laser either produces a dot on the plate, or it doesn't. This is why thermal technology is well known for its "sharp" dots and superior quality.

## **Full range of advantages**

The PlateRite 8600 has all the usual advantages of thermal CTP technology, plus many others. In addition to daylight handling and industry-leading quality, it also implements an advanced clamp system with an auto-balance feature that enables a wider range of plate sizes to be imaged with greater speed. Any plate from GTO-size to slightly larger than 8-up can be imaged. The PlateRite 8600 is a powerful CTP unit that combines high output with high quality.

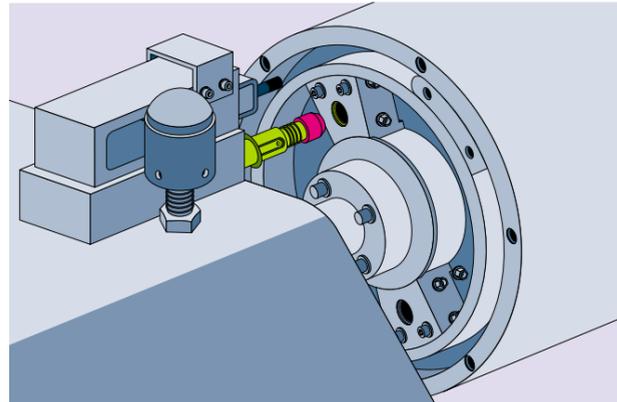
## **High speed**

The PlateRite 8600 is specially equipped with a 64-channel imaging head. This innovation greatly enhances parallel imaging and makes the PlateRite 8600 capable of comfortably outputting 20 plates (1,030 mm x 800 mm/40.6" x 31.4") per hour at 2,400 dpi. Screen's acclaimed auto-balance and plate-clamping systems ensure that this level of high-speed productivity is delivered for a wide range of plate sizes.



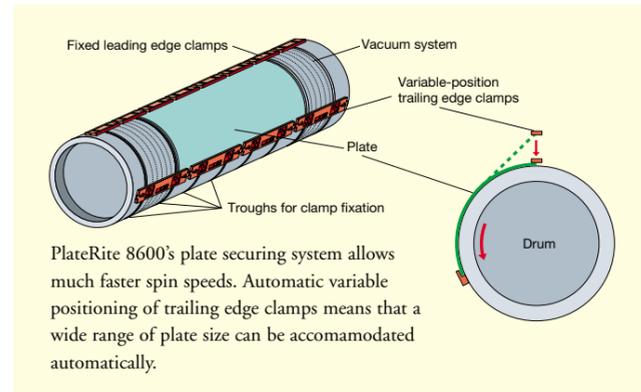
### Auto-balance to fit different plate sizes

The PlateRite 8600 is designed to fit smoothly into your workflow. Auto-balance enables imaging of different sized plates with no manual adjustment. All you do is input or select the type of plate you want to use and the PlateRite 8600 automatically makes the necessary adjustments to create perfect drum balance for each plate size you use.



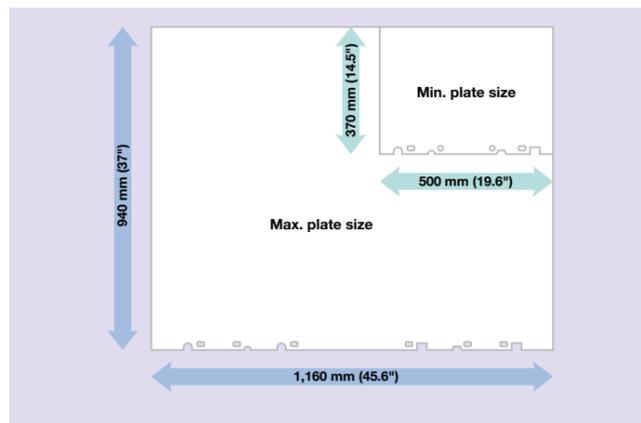
### Compatible with 8-mm clamps

Most web offset presses require the maximum imaging area made available by smaller clamp sizes. The PlateRite 8600 supports clamp sizes down to 8 mm. This versatility makes it able to cover the requirements of both web and sheet offset presses.



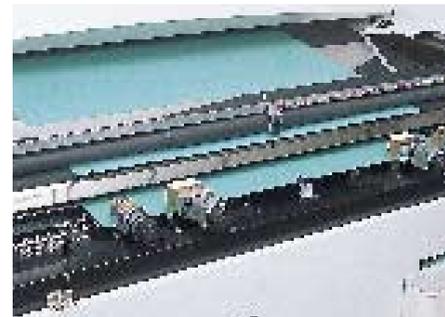
### Wide range of plate sizes

The PlateRite 8600 is the perfect solution for outputting all your plate sizes, from GTO-size (500 mm x 370 mm/19.6" x 14.5") all the way up to 8-up plates (1,160 mm x 940 mm/45.6" x 37"). It also handles plates as thin as 0.15 mm (5.9 mil) and as thick as 0.3 mm (11.8 mil). If you want the option of being able to output all your plate sizes from a single unit, this is the plate-setter you need.



### The impact of 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 registration accuracy compared with either manual or off-line punching, eliminates human error and achieves faster press make-ready. Up to six punch blocks can be mounted and selected according to plate size and press type.



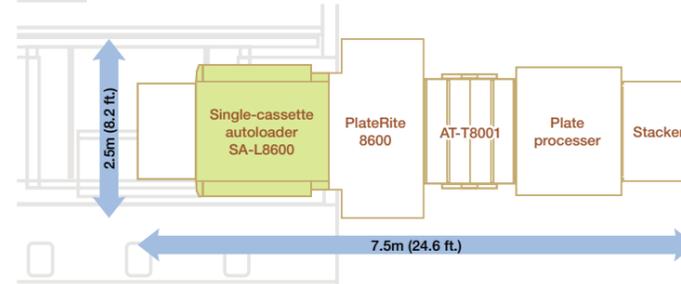
### Automation solutions

Automatic transport from the PlateRite 8600 to your plate processor is available with the optional AT-T8001 processor bridge. For even further automation, the PlateRite 8600 can also be configured for fully automatic, continuous operation with the optional SA-L8600 single-cassette autoloader and the MA-L8600 multi-cassette autoloader.

## SA-L8600

Single-cassette autoloader (option)

The SA-L8600 single-cassette autoloader can hold up to 100 plates. It automatically removes interleaf paper and sends it to an external disposal bin just before each plate is loaded. No contact is made with the sensitive emulsion side of the plate at any stage of the transport line, eliminating the risk of damage to the plate. Manual loading is also possible, providing the flexibility to use different sized plates whenever required.

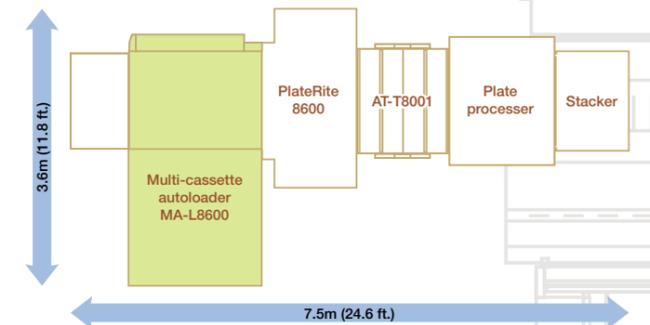


## MA-L8600

Multi-cassette autoloader (option)

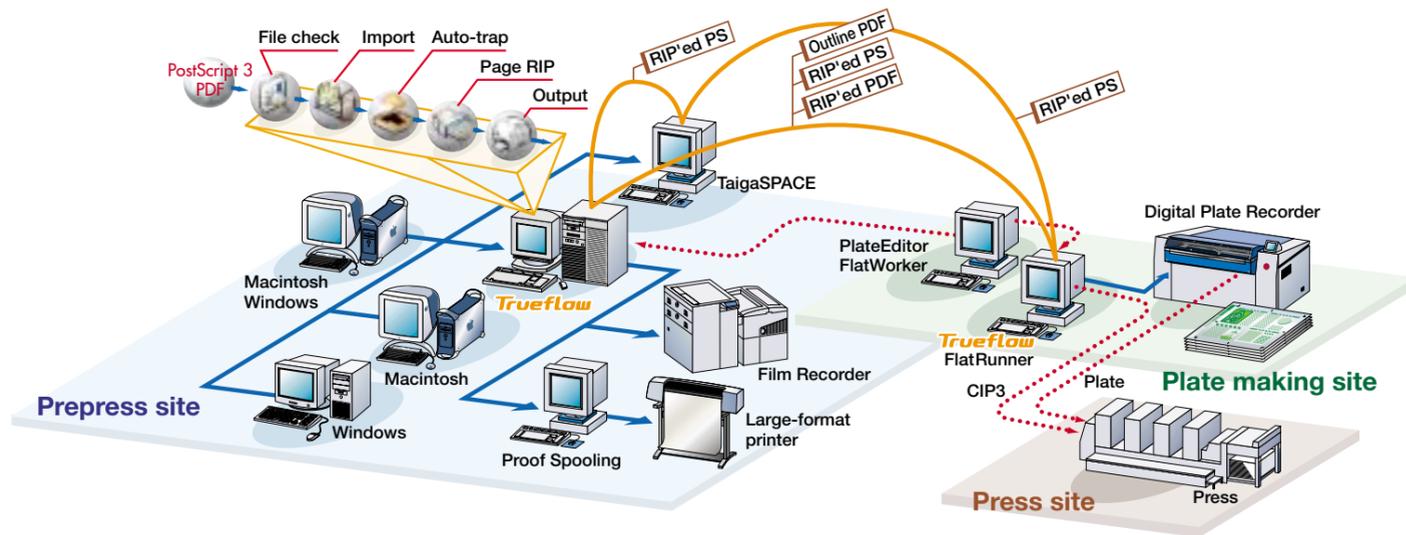


The MA-L8600 multi-cassette autoloader enables complete automation in the process of cassette changing and plate loading. It is attached as an extension to the single-cassette autoloader. It comes with three cassettes as standard, each cassette holding up to 100 plates. An additional two cassettes are optional. This makes it possible to image up to 500 plates of five different sizes without operator intervention.



## Full digital workflow solutions

Integrated, efficient workflows are vital in making the most out of CTP systems. Screen offers full digital workflow solutions that deliver the true reliability and speed of CTP technology.



## Trueflow

### Intelligent RIP System

#### Easy-to-use browser interface

Trueflow uses an intuitive, browser-based GUI through which you can monitor and manage jobs over intranets or the Internet. Trueflow provides platform-independent, front-end operability from any computer with an ordinary Java-enabled Web browser. Monitor all jobs in the system through an intuitive progress list, and view data on completed jobs in the log.

#### Hot folders for faster workflow

By simply assigning files to a hot folder, preset workflow tasks can be carried out automatically. It is easy to create hot folders that specify a desired series of tasks for each stage of processing. These contain templates that you can customize to suit your requirements. There are templates for file checking, OPI, automatic trapping and imposition, plate layout, and proof output.

#### CIP3/CIP4 operation

Trueflow can output CIP3-standard PPF (Print Production Format) files to link prepress with press and post-press operations for increased efficiency, consistency and savings in the pressroom. Using CIP3-compatible press controllers for ink key control via PPF files from prepress data, can greatly increase press operating ratios by shortening the amount of time it takes to get the press up to color.

#### Supports a wide range of file formats

Trueflow accepts and outputs major industry standard file formats such as PostScript 3, PDF 1.3, TIFF (1-bit, grayscale, RGB, CMYK), and EPS. It can accept RIP'ed PS, RIP'ed PDF, Outline PDF, RIP'ed EPS, PJTF, and copydot files.

#### Flexible late binding

Files only have to be RIP'ed once. After that, output settings can be changed, and files can be set up for output on different devices without the need to RIP again. Once created, the same raster data can be used over and over, while output size, resolution, and output device can all be altered. Even if there is a change to one of the pages, with the Page RIP function, individual PS, PDF, RIP'ed PS, Outline PDF and RIP'ed PDF pages can be swapped, leaving the other pages unaffected.

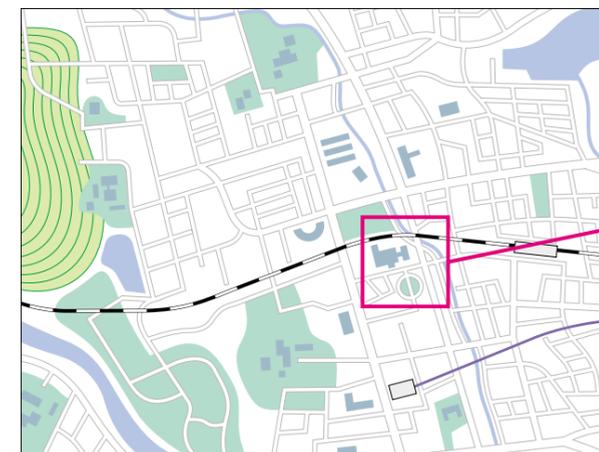
#### Easier layout and imposition

The FlatWorker option adds the ability to lay out multiple jobs on a single plate to the PlateEditor module. Jobs can be sent to FlatWorker in PDF format and returned to Trueflow, along with output instructions in PJT (Portable Job Ticket) format. Final plate layout, including the position of all jobs and printers marks can be viewed on screen for final confirmation. Dot gain and xy position can be adjusted for each separation.

## LabProof

### Reliable filmless proofing

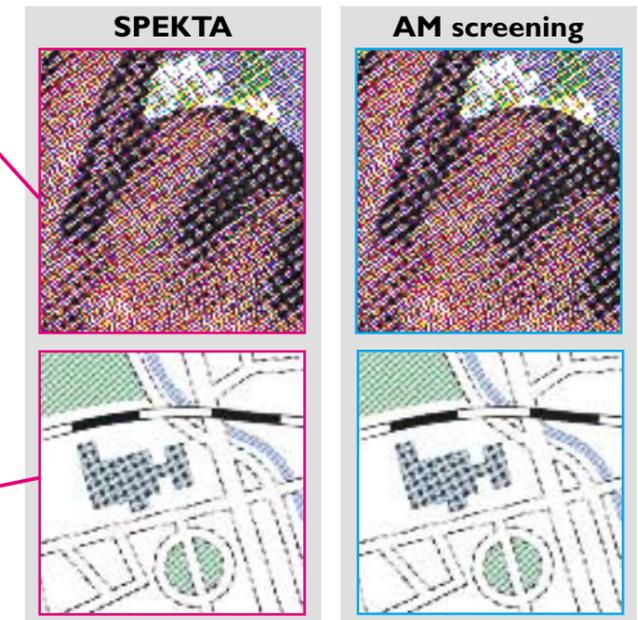
LabProof is a color proofing system that allows you to directly output screened 1-bit TIFF and CMYK TIFF files for color proofing on a large-format ink-jet printer. Its proofs are based on ICC profiles and offer outstanding accuracy to the press sheets. LabProof's triumph is that while it offers high-end quality, it is designed to be easy to use and extremely cost-effective.



## SPEKTA screening

### Hybrid AM/FM screening

The PlateRite 8600 supports SPEKTA screening, the revolutionary hybrid screening method that blends the best of conventional AM screening methods with the advantages of FM (or stochastic) screening. As well as eliminating moiré and broken lines, it delivers print quality and detail comparable to 300+ lpi without requiring the stringent conditions usually involved with printing at such high screen rulings. You'll no longer have to choose between AM and FM screening for any job—you can have both.



This brochure was made using SPEKTA screening.