SCREEN

PlateRite 8600SL

Thermal Plate Recorder

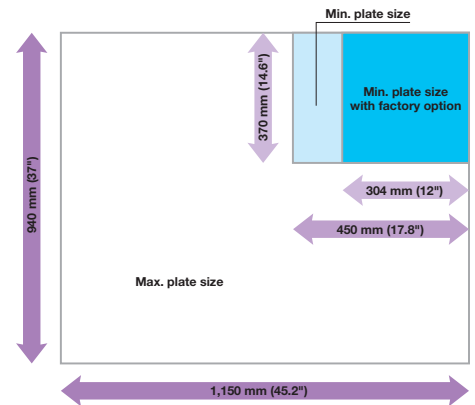*Creating a Future in Print*

PlateRite 8600SL

Advanced external drum design

The thermal PlateRite series is constructed with a reliable external drum design. This makes it possible for the drum to spin at high speeds with the imaging head positioned close to the surface of the plate. Easy maintenance of the imaging head is another key advantage of this design. Individual laser diodes can be replaced as required.
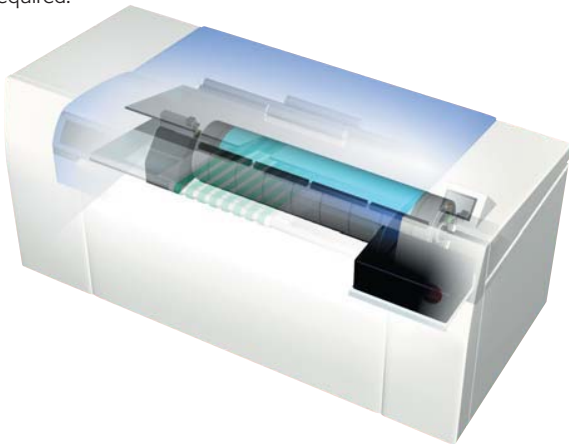
Suitable for a wide range of plate sizes

The PlateRite 8600SL is suitable for use with a wide range of plate sizes, from 450 x 370 mm (17.8" x 14.6") (GTO size) to 1,150 x 940 mm (45.2" x 37"), and plate thicknesses, from 0.15 to 0.3 mm (6 to 11.8 mil). By popular request, the PlateRite 8600SL is now also compatible with B3-size vertically oriented plates. As a factory option, a plate size of 304 x 370 mm (12" x 14.6") can be supported.

Min. plate size

Min. plate size with factory option

370 mm (14.6")

940 mm (37")

304 mm (12")

450 mm (17.8")

Max. plate size

1,150 mm (45.2")

Futuristic automated systems available (option)

Various automated systems, including plate transport and registration punch systems, can be used with the PlateRite 8600SL. Automated systems like these reduce labor and significantly increase operation efficiency. They also contribute to higher productivity and better press operating ratios.

Single-cassette autoloader
⭕ **SA-L8800II***
Supplies up to 100 plates automatically
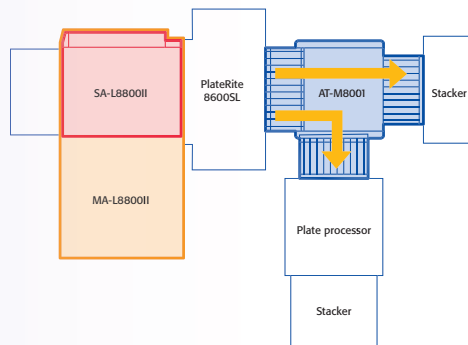
Multi-cassette autoloader
⭕ **MA-L8800II***
Supplies up to 500 plates automatically

Multi-bridge
⭕ **AT-M8001**
Bridge for transporting exposed plates

* An autoloader connection kit is required.

SA-L8800II

MA-L8800II

PlateRite 8600SL

AT-M8001

Stacker

Plate processor

Stacker

An inline punching system dramatically shortens press makeready time.

Featuring Screen's unique external drum recorder technology and high-precision optics, the PlateRite 8600SL is a high-performance B1-format CtP recorder capable of high-speed output of up to 22 plates an hour*.

* at 2,400 dpi (1,030 x 800 mm/40.5" x 31.4" plates)

Safe, efficient, fully digital workflow solutions

An efficient workflow is indispensable for making the best use of a CtP recorder. Dainippon Screen offers advanced, fast and safe digital workflows that promote automation and reduce labor throughout the print production process.
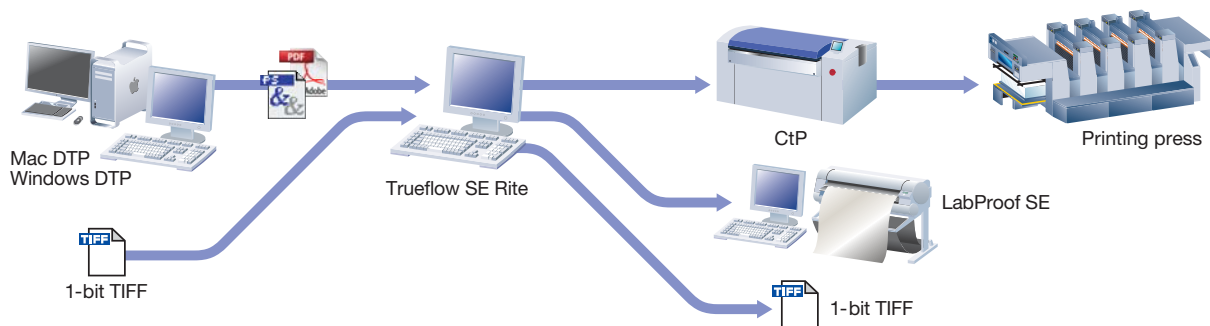
JDF/CIP4-compliant workflow system
Trueflow SE Rite Version 7

• All the functions you need for CtP output

TTrueflow SE Rite is an entry-level workflow RIP featuring the basic Trueflow SE functions relating to CtP output. Like Trueflow SE, it boasts such standard features as TIFF output and recorder output. Trueflow SE Rite offers Hot Folder and Job Container workflows. Using it is easy. Operators simply drag and drop job data into the workflow Hot Folder to start CtP output.

Advanced features, such as automated trapping, imposition schemes and impositioning, can be added to Trueflow SE Rite as options. Trueflow SE Rite can even be upgraded to the full version of Trueflow SE at the production site, making it the perfect tool for a growing business.

Output formats
ProofPDF, CMYK TIFF, PDF/X-1a*, DotTIFF*, PPF(CIP3)*
* Option

For remarkably accurate color proof output
LabProof SE

RIPed TIFF files output by Trueflow SE Rite 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.
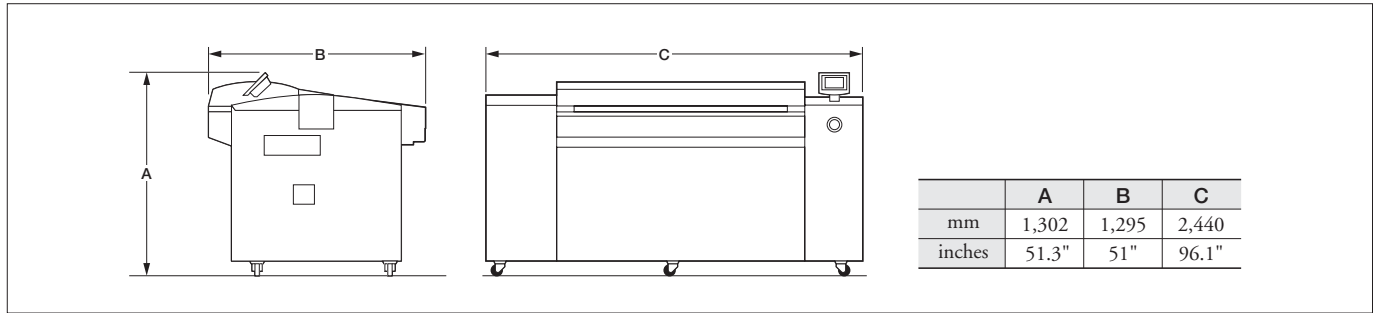
Screening lineup

AM Screening

FM Screening

Spekta 2 Screening

Dimensions

	A	B	C
mm	1,302	1,295	2,440
inches	51.3"	51"	96.1"

PlateRite 8600SL specifications

Recording system	External drum
Light source	64-channel laser diodes
Plate size	Maximum 1,150 x 940 mm (45.2" x 37"); Minimum 450 x 370 mm (17.8" x 14.6")[*1, *2]
Exposure size	Maximum 1,150 x 920 mm (45.2" x 36.2"); Minimum 450 x 350 mm (17.8" x 13.8")[*2, *3, *4]
Media	Thermal plates
Media thickness	0.15 to 0.3 mm (6 to 11.8 mil)
Resolutions	1,200[*5]/2,400/2,438/2,540 dpi
Repeatability	± 5 microns[*6]
Productivity	22 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi[*7]
Interface	F-PIF
Plate transport	Semiautomatic loading (standard), Fully automatic loading (optional), Rear delivery kit (optional), Processor bridge (optional)
Punch systems	SCREEN, Heidelberg, Protocol, Komori, and others[*8]
Remote monitoring system	Valuable management tool
Dimensions (W x D x H)	Main unit: 2,440 x 1,295 x 1,302 mm (96.1" x 51" x 51.3"); Blower unit: 693 x 675 x 550 mm (27.3" x 26.6" x 21.7")
Weight	Main unit: 1,150 kg (2,530 lb); Blower unit: 85 kg (187 lb)
Power requirements	Main unit: Single phase 220 V to 240 V, 32A, 4 kW (Approved UL, CSA, Declared CE) (SA-L, MA-L, AT-T, AT-M, and blower unit are powered by main unit.)
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)

*1. Compatible with 304 x 370 mm (12" x 14.6") plate sizes as a option. *2. The width of plate is between 570 mm and 624 mm can not be used.
*3. 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.)
*4. Minimum exposure size 304 x 346 mm (12" x 13.7") with option. *5. 1,200 dpi uses 2,400 dpi double dots. *6. Over four consecutive exposures on one plate at 23°C (73.4°F) and 60% relative humidity.
*7. Productivity may vary depending upon media sensitivity. *8. Required the registration punch option, when press punch installed.

Field upgradeable options

	Remarks
Registration Punch	When the registration punch system is installed, the maximum plate size is 1,160 x 940 mm (45.6" x 37") and the maximum exposure size is 1,160 x 924 mm (45.6" x 36.3"). When installed punch system for presses, the Registration Punch (option) is required.
Punch system for presses	SCREEN, Heidelberg, Protocol, Komori, and others[*1]
Small size support	Minimum plate size becomes 304 x 370mm(12" x 14.6").
Cleaning roller	Registration punch and using together are recommended.
Feed tray unit	Easier handling manual plate loading. Processor bridge and using together are recommended.
Autoloader connection kit	When installed autoloader, this option is required.
Single-cassette autoloader	SA-L8800II; 100 plates per cassette
Multi-cassette autoloader	MA-L8800II; Up to 5 cassettes (3 cassettes is standard), 100 plates per cassette
Rear delivery kit	When installed processor bridge, rear delivery kit (option) is required.
Processor bridge	build-in bridge; Straight discharge
	AT-T8001R; Straight discharge
	AT-M8001; Multi-direction
Signal tower	Safety signed signal
Air filtering unit	AF-180N; Debris removal

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• This brochure was made using SPEKTA 2 screening.

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