SCREEN
MEDIA TECHNOLOGY

PlateRite 4300
Thermal Plate Recorder

CTP

Innovation & Reliability

High-quality thermal CtP for 4-page presses

Dainippon Screen's thermal Computer-to-Plate (CtP) solutions are unbeatable for their quality, accuracy, and reliability. They consistently output plates with a dot sharpness and registration accuracy that enable superior process control and fast makeready times. They also offer the benefits of easy daylight handling and exceptional production efficiency for both short and long runs.

Screen's PlateRite 4300S and PlateRite 4300E are specially designed to provide optimal versatility in plate production for 4-page and 2-page presses. The PlateRite 4300S is a high-speed model that can comfortably and consistently output up to 21 plates per hour when working with 724 x 615 mm (28.5" x 24.2") plates at 2400 dpi. The PlateRite 4300E is an affordable entry-level solution that offers the same high-quality features as the PlateRite 4300S, and provides output at up to 11 plates per hour. Both models have a proven external-drum design and come with the option of inline punching blocks to help ensure perfect on-press register and faster makeready times.

The choice has never been easier for making the move to high-quality thermal CtP.

Versatile and easy to use

Output suitable for 2-page or 4-page presses

Support for a wide range of plate sizes

The PlateRite 4300S and PlateRite 4300E can handle the plate requirements of new larger-format 4-page presses. Both support a maximum plate size of 830 x 660 mm (32.6" x 25.9"), and are also capable of supporting some of the smaller 2-page presses with a minimum plate size of 324 x 370 mm (12.8" x 14.6")*. The PlateRite 4300S and PlateRite 4300E offer an unbeatably flexible and reliable solution for fast output of a wide variety of plate sizes.

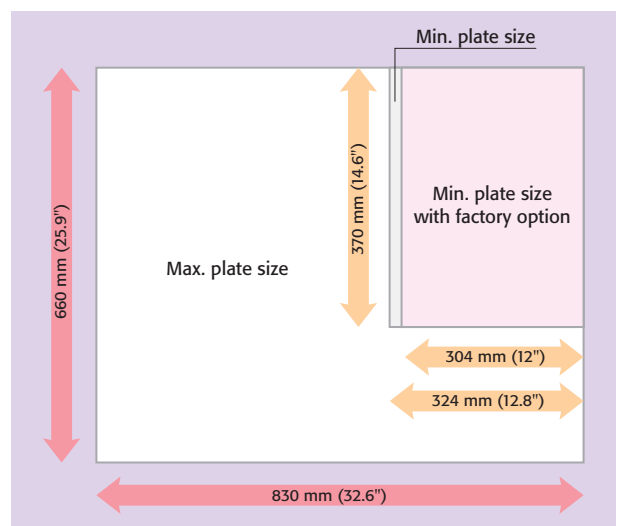* 304 x 370 mm (12" x 14.6") support is available as a factory option.

Auto-balance for different plate sizes

Auto-balance lets you use different sized plates without making any manual adjustments for correct drum balance. All you do is select the type of plate you want to use and the PlateRite 4300S and PlateRite 4300E automatically make the necessary adjustments to create perfect drum balance for each plate size. The PlateRite 4300S and PlateRite 4300E also feature separate loading and unloading bays, so that one plate can be readied for loading while another is being exposed.

Bring out the ideal CtP environment with a simple upgrade

For the ideal environment for your increased productivity needs, you can upgrade your PlateRite 4300E to the PlateRite 4300S* by simply exchanging parts required for the PlateRite 4300E. This reduces wasted expenses and improves the operational efficiency of your platesetter.

* Please see the specifications sheet for information on the resolutions available when upgrading to the PlateRite 4300S.

Min. plate size

660 mm (25.9")

370 mm (14.6")

Min. plate size with factory option

Max. plate size

304 mm (12")

324 mm (12.8")

830 mm (32.6")

Productivity-enhancing automation

Optional inline punching and automated plate loading

Automatic inline punch

Screen's automatic inline punching system is the industry leader for enabling perfect register on press. It does this by performing two types of punching (for press and platesetter registration) 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 makeready. Punch blocks from Heidelberg, Komori, Bacher, Protocol, Stoesser, Grapho Metronic and Screen are available, covering the full range of sizes for all major press types. Up to four punch blocks can be mounted and selected according to plate size and press type.

Autoloader options

The PlateRite 4300S and PlateRite 4300E can be configured for efficient automatic operation with Screen's optional autoloaders, which are acclaimed in the market for their reliability and precision. Both the PlateRite 4300S and PlateRite 4300E can be paired with the SA-L4300II single-cassette autoloader. This high-quality unit can hold up to 100 plates and automatically removes interleaf paper before loading each plate. It is also possible to upgrade from the SA-L 4300II to the MA-L 4300II multi-cassette autoloader, which comes standard with three cassettes and enables up to 300 plates of three different sizes to be loaded and imaged in the PlateRite 4300S without operator intervention. The PlateRite 4300S and PlateRite 4300E can also be paired with the more economical SA-L 4100* single-cassette autoloader.

Both the PlateRite 4300S and PlateRite 4300E are supported by an automatic processor bridge, which extends process automation all the way through to the plate processor.

* The SA-L 4100 has a capacity of 50 plates and requires manual interleaf removal.

SA-L4100 single-cassette autoloader specifications

Plate transport	Automatic, but requires manual removal of interleaf paper
Cassette capacity	50 plates (same size only)
Dimensions (W x D x H)	1,260 x 1,335 x 1,031 mm (49.7" x 52.6" x 40.6")
Weight	Approx. 200 kg (441 lb)
Power	Powered by main unit
Environment	Same as main unit
Standard accessories	Plate cassette with cassette carrier

SA-L 4300II single-cassette autoloader specifications

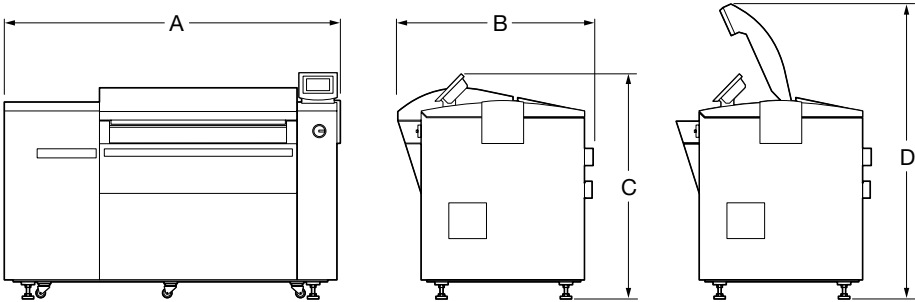|	
Plate transport	Fully automatic loading & automatic interleaf removal
Cassette capacity	100 plates
Dimensions (W x D x H)	1,395 x 1,735 x 1,027 mm (55" x 68.4" x 40.5")
Weight	Approx. 340 kg (748 lb)
Power	Powered by main unit
Environment	Same as main unit
Standard accessories	Plate cassette and carrier, interleaf paper collection box
Options	Additional plate cassettes and carriers (with cassette covers)

PlateRite 4300 with MA-L 4300II

MA-L 4300II multi-cassette autoloader specifications

Plate transport	Fully automatic loading & automatic interleaf removal
Cassette capacity	300 plates
No. of cassettes	3 cassettes
Cassette transport	Fully automatic (horizontal/vertical)
Dimensions (W x D x H)	2,590 x 1,735 x 1,027 mm (102" x 68.4" x 40.5")
Weight	Approx. 765 kg (1,683 lb)
Power	Powered by main unit
Environment	Same as main unit
Standard accessories	3 cassettes, interleaf paper collection box

Space requirements

Dimensions

	A	B	C	D
mm	1,770	1,028	1,185	1,552
in.	69.7	40.5	46.7	61.2

PlateRite 4300S/4300E specifications

	PlateRite 4300S	PlateRite 4300E
Product name	PlateRite 4300S	PlateRite 4300E
Recording system	External drum	
Light source	32-channel infrared laser diodes	16-channel infrared laser diodes
Plate sizes	Maximum 830 x 660 mm (32.6" x 25.9"); Minimum 324 x 370 mm (12.8" x 14.6") (Compatible with 304 x 370 mm [12" x 14.6"] plate sizes as a factory option)	
Exposure size	Maximum 830 x 633 mm (32.6" x 24.9") [15-mm (0.5") leading edge clamp and 12-mm (0.4") trailing edge clamp]	
Media	Thermal (infrared sensitive) plates	
Media thickness	0.15 to 0.3 mm (5.9 to 11.8 mil)	
Resolutions	1,200/2,000/2,400/2,438/2,540/4,000 dpi	2,400/2,438/2,540 dpi (1,200 dpi resolution when upgrading to the PT-R4300S from the PT-R4300E)
Repeatability	±5 microns[*1]	
Productivity	21 plates/hr at 2,400 dpi (724 x 615 mm/28.5" x 24.2")[*2]	11 plates/hr at 2,400 dpi (724 x 615 mm/28.5" x 24.2")[*2]
Interface	Fast PIF	
Plate transport	Semiautomatic loading (standard) Fully automatic loading (optional) Processor bridge (optional)	
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, and others	
Dimensions (W x D x H)	Main unit: 1,770 x 1,028 x 1,185 mm (69.7" x 40.5" x 46.7") Blower unit: 429 x 600 x 361 mm (16.9" x 23.7" x 14.3")	
Weight	Main unit: 670 kg (1,474 lb) Blower unit: 25 kg (55 lb)	
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)	
Power requirments	Single phase 200 to 240 V, 20 A, 4.0 kW SA-L, MA-L, AT-T, and blower unit are powered by main unit.	
Standard accessories	Blower unit	
Options	Single-cassette autoloaders SA-L 4100/SA-L 4300II, multi-cassette autoloader MA-L 4300II, processor bridge AT-T 4000, punch system. Support for 12 mm front margin and small size 304 mm plates as factory options.	

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

*2 Productivity may vary depending upon media sensitivity.

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• This brochure was made using Spekta 2 screening.
• Printed on recycled paper.

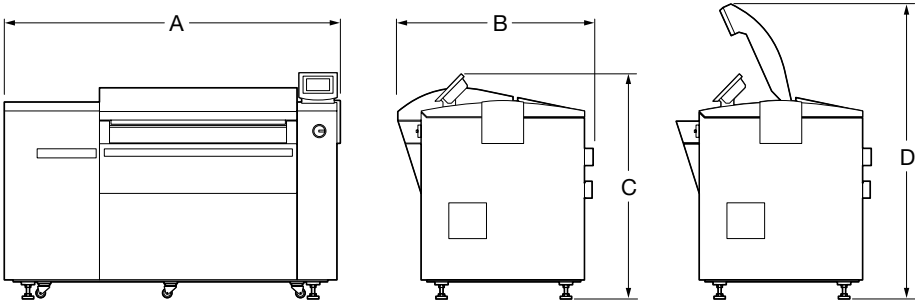We reserve the right to alter product design and specifications without prior notice.

PlateRite 4300

Thermal Plate Recorder

Space requirements

Dimensions

	A	B	C	D
mm	1,770	1,028	1,185	1,552
in.	69.7	40.5	46.7	61.2

PlateRite 4300S/4300E specifications

Product name	PlateRite 4300S	PlateRite 4300E
Recording system	External drum	
Light source	32-channel infrared laser diodes	16-channel infrared laser diodes
Plate sizes	Maximum 830 x 660 mm (32.6" x 25.9"); Minimum 324 x 370 mm (12.8" x 14.6") (Compatible with 304 x 370 mm [12" x 14.6"] plate sizes as a factory option)	
Exposure size	Maximum 830 x 633 mm (32.6" x 24.9") [15-mm (0.5") leading edge clamp and 12-mm (0.4") trailing edge clamp]	
Media	Thermal (infrared sensitive) plates	
Media thickness	0.15 to 0.3 mm (5.9 to 11.8 mil)	
Resolutions	1,200/2,000/2,400/2,438/2,540/4,000 dpi	2,400/2,438/2,540 dpi (1,200 dpi resolution when upgrading to the PT-R4300S from the PT-R4300E)
Repeatability	±5 microns[1]	
Productivity	21 plates/hr at 2,400 dpi (724 x 615 mm/28.5" x 24.2")[2]	11 plates/hr at 2,400 dpi (724 x 615 mm/28.5" x 24.2")[2]
Interface	Fast PIF	
Plate transport	Semiautomatic loading (standard) Fully automatic loading (optional) Processor bridge (optional)	
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, and others	
Dimensions (W x D x H)	Main unit: 1,770 x 1,028 x 1,185 mm (69.7" x 40.5" x 46.7") Blower unit: 429 x 600 x 361 mm (16.9" x 23.7" x 14.3")	
Weight	Main unit: 670 kg (1,474 lb) Blower unit: 25 kg (55 lb)	
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)	
Power requirments	Single phase 200 to 240 V, 20 A, 4.0 kW SA-L, MA-L, AT-T, and blower unit are powered by main unit.	
Standard accessories	Blower unit	
Options	Single-cassette autoloaders SA-L 4100/SA-L 4300II, multi-cassette autoloader MA-L 4300II, processor bridge AT-T 4000, punch system. Support for 12 mm front margin and small size 304 mm plates as factory options.	

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

2 Productivity may vary depending upon media sensitivity.

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• Printed on recycled paper.

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Dimensions

	A	B	C
mm	1,453	2,500	1,820
inches	57.3"	98.5"	71.7"

Universal, compact design

Equipment height enables easy operation.

SCREEN

PlateRite 8600MⅡ-ZA/SA

Thermal Plate Recorder

PlateRite 8600MⅡ-ZA/SA specifications

Product name	PlateRite 8600MII-ZA	PlateRite 8600MII-SA
Model name	PT-R8600MII-ZA	PT-R8600MII-SA
Recording system	External drum	
Light source	96-channel laser diodes	64-channel laser diodes
Plate size	Maximum 1,060 x 830 mm (41.7" x 32.6"); Minimum 450 x 370 mm (17.8" x 14.6")	
Exposure size	Maximum 1,060 x 806 mm (41.7" x 31.7") [Maximum 1,060 x 806 mm (41.7" x 31.7") at 900 rpm; Maximum 1,060 x 810 mm (41.7" x 31.8") at 600 rpm]	
Plate	Thermal aluminum plate	
Plate thickness	0.15 to 0.3 mm (6 to 11.8 mil)	
Resolutions	1,200/2,400/2,540 dpi *1	
Repeatability	± 5 µm *2	
Productivity	30 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi *3 *4	23 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi *3 *4
Interface	S-PIF / Gigabit Ethernet	F-PIF / Gigabit Ethernet
Plate transport	Semiautomatic loading	
Dimensions (W x D x H)	Main unit: 2,500 x 1,820 x 1,453 mm (98.5" x 71.7" x 57.3")	
Weight	Main unit: 1,000kg (2,200lb)	Main unit: 985kg (2,167lb)
Power requirements	Main unit: Single phase 200 V to 240 V, 30 A, 4.0 kW	
Environment	Recommended: 21 to 25℃ (69.8 to 77°F); Required: 18 to 26℃ (64.4 to 78.8°F); Relative humidity: 40 to 70% (no condensation)	
Applicable standard	Conform to IEC 60204-1	

*1. 1,200 dpi uses 2,400 dpi double dots.

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

*3. Productivity may vary depending upon media sensitivity.

*4. Productivity is calculated so it includes 10 seconds of loading and unloading per plate.

• This brochure was made using SPEKTA 2 screening.

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

• This brochure was printed using plates exposed by the **PlateRite 8600MII-ZA**.

• This brochure was made using **SPEKTA 2 screening**.

Creating a Future in Print

PlateRite 8600MII-ZA/SA

High-quality, semi-automated CtP recorder that will provide the foundation for a fully digital platemaking workflow.

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

PlateRite 8600MII-ZA	**30** plates/hr
PlateRite 8600MII-SA	**23** plates/hr

The PlateRite 8600MII-ZA/SA is another high-quality thermal CtP recorder built with the renowned technology and expertise that have made Dainippon Screen the world's number one CtP manufacturer. Screen's unique thermal external drum technology is combined with its high-precision optics to enable fast and high-quality plate output. As there is no need for complex processing and intermediate steps, such as outputting layout data to film or exposing plates using film, the plate production process with CtP is much simpler than traditional platemaking.

Furthermore, CtP eliminates paste-up errors and foreign-matter contamination, contributing to increased efficiency in both the platemaking and printing process.

Last but not least, thermal CtP output produces sharper halftone dots than traditional platemaking methods, and therefore dramatically improves printing quality.

Faster turnaround *plus* improved quality and lower costs

CtP benefits
1. Improved registration and press productivity
2. Reduced turnaround times from the shortened production process
3. Cost reduction through the elimination of film processing
4. Sharper, more accurate dots
5. More consistent quality and reduced labor costs

Inline connection to plate processor

The PlateRite 8600MII-ZA/SA is equipped with a rear delivery conveyor. This allows exposed plates to be transferred inline to the plate processor of any manufacturer.
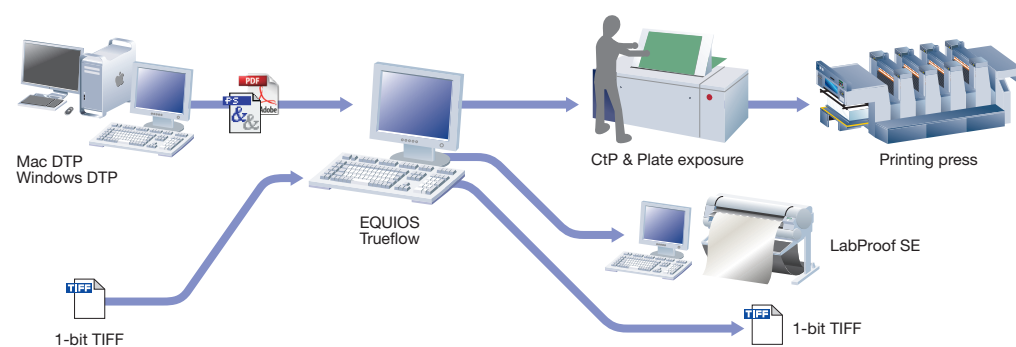
Semi-automated CtP processing

In addition, if the next new plate is set on set table during exposure, the next new plate is loaded automatically just after exposed plate is discharged to the processor.

Full-digital workflow
EQUIOS (Workflow system)

An EQUIOS workflow system helps to achieve maximum productivity. Linking with EQUIOS enables non-stop automation while minimizing errors and production losses. Output to a CtP recorder is also easier than ever before.

Mac DTP
Windows DTP

1-bit TIFF

EQUIOS
Trueflow

CtP & Plate exposure

Printing press

LabProof SE

1-bit TIFF

Screen's technologies

Optical system technology
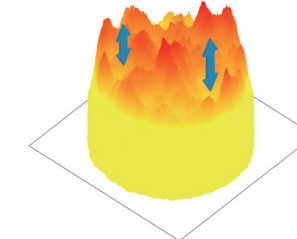
Stable exposure beam
With the PlateRite 8600MII-ZA/SA, the exposure head and its built-in laser move as a single unit. This prevents any profile fluctuation caused by changes in the shape of the optical fiber and produces a stable beam.

PlateRite 8600MII-ZA/SA

Products from other companies
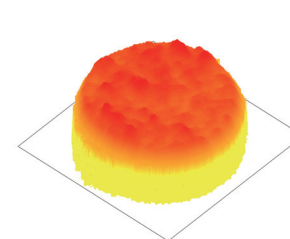
The laser is included in the exposure head to produce a stable beam.

Unevenness occurs in the power distribution of the beam, creating instability.

Fine imaging lens
The PlateRite 8600MII-ZA/SA capitalizes on Screen's advanced optical technology. It features high refractive index glass and an impressive 13 element lens design for sharper imaging of half-tone dots. Proprietary technology also compensates for shifts in the focal position caused by environmental temperature variations.
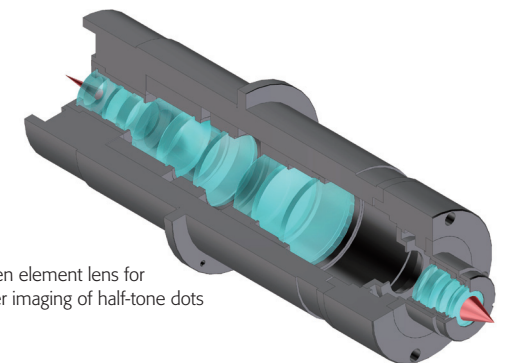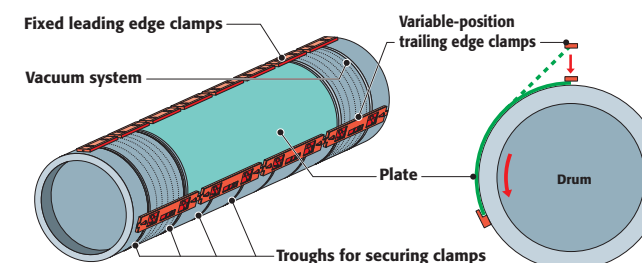
Thirteen element lens for sharper imaging of half-tone dots
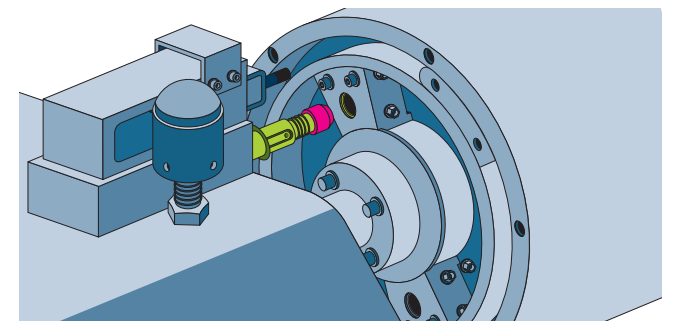
Drum technology

Reliable plate securing system
The PlateRite 8600MII-ZA/SA 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. A plate is fixed to the drum by a unique slot equipped with a clamp and a vacuum attachment system.

Fixed leading edge clamps

Variable-position trailing edge clamps

Vacuum system

Plate

Drum
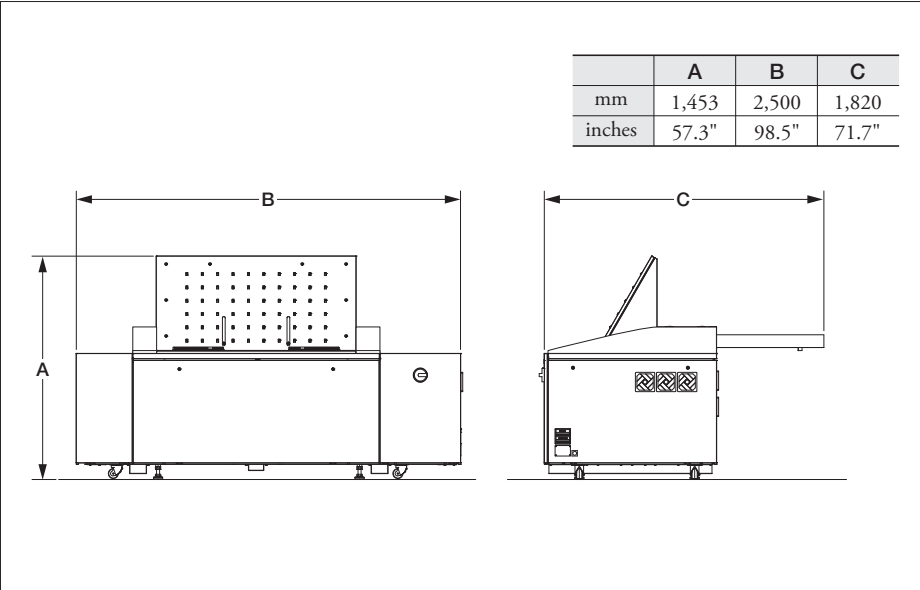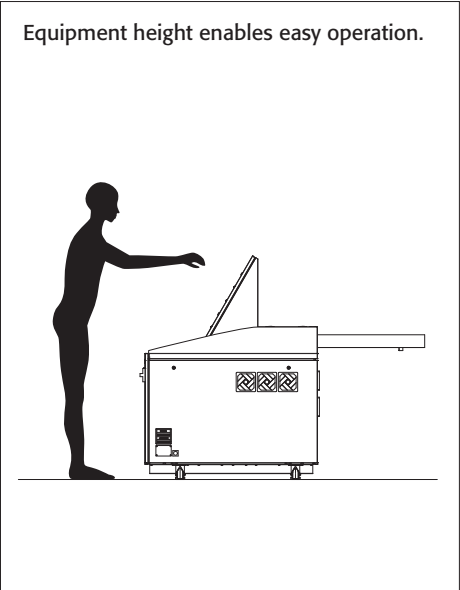
Troughs for securing clamps

Auto-balance system
The PlateRite 8600MII-ZA/SA features Screen's unique and precise auto-balance system. It ensures the counter weights automatically adjust with every change of plate size, maintaining smooth and silent drum rotation. This system is easy to set up via the display menu without any technical intervention.

Dimensions

	A	B	C
mm	1,453	2,500	1,820
inches	57.3"	98.5"	71.7"

Universal, compact design

Equipment height enables easy operation.

SCREEN

PlateRite 8600MⅡ-ZA/SA

Thermal Plate Recorder

PlateRite 8600MⅡ-ZA/SA specifications

Product name	PlateRite 8600MⅡ-ZA	PlateRite 8600MⅡ-SA
Model name	PT-R8600MⅡ-ZA	PT-R8600MⅡ-SA
Recording system	External drum	
Light source	96-channel laser diodes	64-channel laser diodes
Plate size	Maximum 1,060 x 830 mm (41.7" x 32.6"); Minimum 450 x 370 mm (17.8" x 14.6")	
Exposure size	Maximum 1,060 x 806 mm (41.7" x 31.7") [Maximum 1,060 x 806 mm (41.7" x 31.7") at 900 rpm; Maximum 1,060 x 810 mm (41.7" x 31.8") at 600 rpm]	
Plate	Thermal aluminum plate	
Plate thickness	0.15 to 0.3 mm (6 to 11.8 mil)	
Resolutions	1,200/2,400/2,540 dpi [*1]	
Repeatability	± 5 µm [*2]	
Productivity	30 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi [*3 *4]	23 plates/hr (1,030 x 800 mm/40.5" x 31.4" plates) at 2,400 dpi [*3 *4]
Interface	S-PIF / Gigabit Ethernet	F-PIF / Gigabit Ethernet
Plate transport	Semiautomatic loading	
Dimensions (W x D x H)	Main unit: 2,500 x 1,820 x 1,453 mm (98.5 x 71.7" x 57.3")	
Weight	Main unit: 1,000kg (2,200lb)	Main unit: 985kg (2,167lb)
Power requirements	Main unit: Single phase 200 V to 240 V, 30 A, 4.0 kW	
Environment	Recommended: 21 to 25℃ (69.8 to 77°F); Required: 18 to 26℃ (64.4 to 78.8°F); Relative humidity: 40 to 70% (no condensation)	
Applicable standard	Conform to IEC 60204-1	

*1. 1,200 dpi uses 2,400 dpi double dots.
*2. Over four consecutive exposures on one plate at 23°C (73.4°F) and 60% relative humidity.
*3. Productivity may vary depending upon media sensitivity.
*4. Productivity is calculated so it includes 10 seconds for loading and unloading per plate.

www.screen.co.jp/ctp_no1
For more information, please visit our web site.
You can see product movie on it!

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No.205-154A Printed in Japan 12-13 020FSI(R0-0)

• This brochure was printed using plates exposed by the **PlateRite 8600MII-ZA**.
• This brochure was made using **SPEKTA 2 screening**.

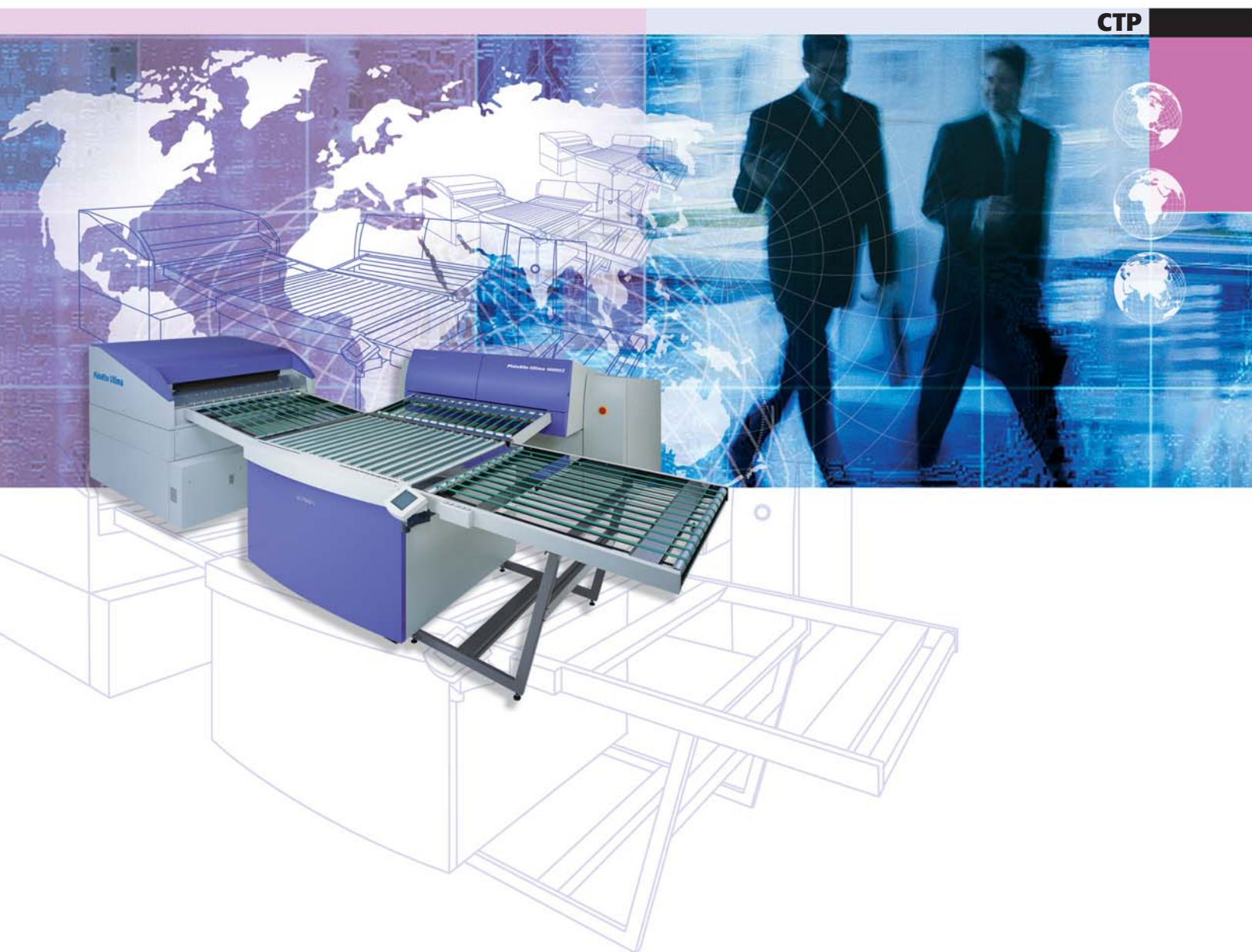*Creating a Future in Print*

PlateRite Ultima 16000Ⅱ

Thermal Plate Recorder

CTP

Advanced imaging for higher quality and better productivity

The PlateRite Ultima 16000II is the latest generation of the PlateRite Ultima 16000 series.

The 16000 series can image a maximum plate size of 1,470 x 1,165mm and is ideally suited for a wide-range of applications such as packaging, book and commercial printing. All the PlateRite Ultima 16000II models feature the new GLV™ imaging head, and the top productivity of the flagship model, the PlateRite Ultima 16000IIZ, is an impressive 31 plates per hour*.

In addition to increased speed, the new PlateRite Ultima 16000II incorporates a number of innovative technologies that help ensure consistent, high quality even when imaging onto the largest supported plates.

The entry model PlateRite 16000IIE can be upgraded to higher speed S and Z models in the field.

*1,448 x 1,143 mm plates at 2,400 dpi

Advanced technology for high-speed, high-precision output

Compatible with a variety of plate sizes

The PlateRite Ultima 16000II can image onto a variety of plate formats, from 4-up to 16-up A4 pages (650 x 550 mm [25.6" x 21.7"]* to 1,470 x 1,165 mm [57.8" x 45.8"]), making it suitable for a wide range of uses.

* Small-size plate support (minimum size 450 x 370 mm [17.8" x 14.6"]) is available as a factory option.

The newest 512-channel imaging head

The PlateRite Ultima 16000II features a 512-channel GLV™ imaging head that makes it possible to output even large plates at high speed. The imaging head's high power laser images a wide swathe with each rotation of the drum, which results in superior productivity. In fact, the PlateRite 16000IIZ can output an impressive 31 plates per hour (1,448 x 1,143 mm [57" x 45"] plates at 2,400 dpi).

Autofocus

The PlateRite Ultima 16000II features an autofocus function that helps prevent inconsistencies resulting from variations in plate type and thickness and eliminates artifacts caused by the way the plate is wrapped around the drum. Autofocus allows the recorder to create consistently sharp, well-delineated halftone dots and ensures superior image quality at all times.

Automatic inline punching

The PlateRite Ultima 16000IIZ/S comes standard with an inline punching system (available as an option for the 16000IIE). Up to 10 optional punch blocks can be selected. High-precision punching is carried out immediately after the plates are loaded onto the drum, which both eliminates the work involved in punching plates at a later stage of the workflow and makes it easier to achieve superior register on press. The reduction in preparation time at the printing press also improves press operating ratios and increases overall productivity.

## Reliable automated plate loading and unloading

The PlateRite Ultima 16000II Computer-to-Plate (CtP) system is fully compatible with large size plates, and features a proven plate handling system that makes it easy to create a fully automated plate production line. Automated plate loading, imaging, and unloading improve the efficiency of your entire CtP system. Dainippon Screen's multi-cassette autoloader (option) features up to four cassettes that can each hold up to 100 plates*, allowing the system to supply up to 400 plates without operator involvement. You can even put different sizes of plates in each cassette, to improve efficiency when switching between jobs with different plate formats.

*Up to 75 plates (0.3 mm [11.8 mil] thickness) per cassette, when using the three-cassette autoloader.
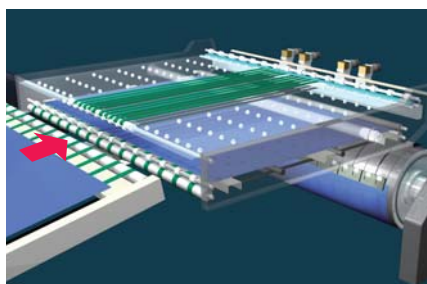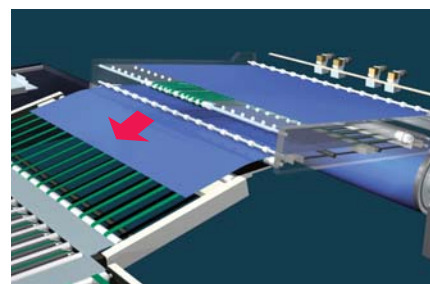
Cutting-edge media handling
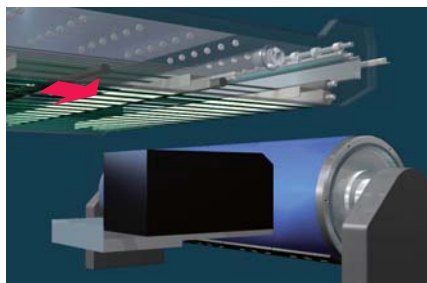
1 While the current plate is being exposed, the plate scheduled to be exposed next is punched and then moved to the standby cassette's upper tray.

2 The plate that was just exposed is transferred to the scheduled to be exposed next is punched and then standby cassette's lower tray.
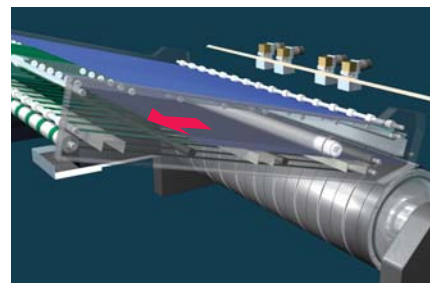
3 The plate that was in the standby cassette's upper tray is wrapped around the drum, and the next plate is transferred to the standby cassette's upper tray.

4 While the plate is being exposed, the plate scheduled to be exposed next is punched and then moved to the standby cassette's upper tray. The plate that was just exposed is transferred from the standby cassette's lower tray to the automatic inline developer.
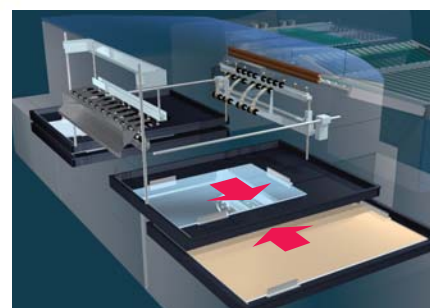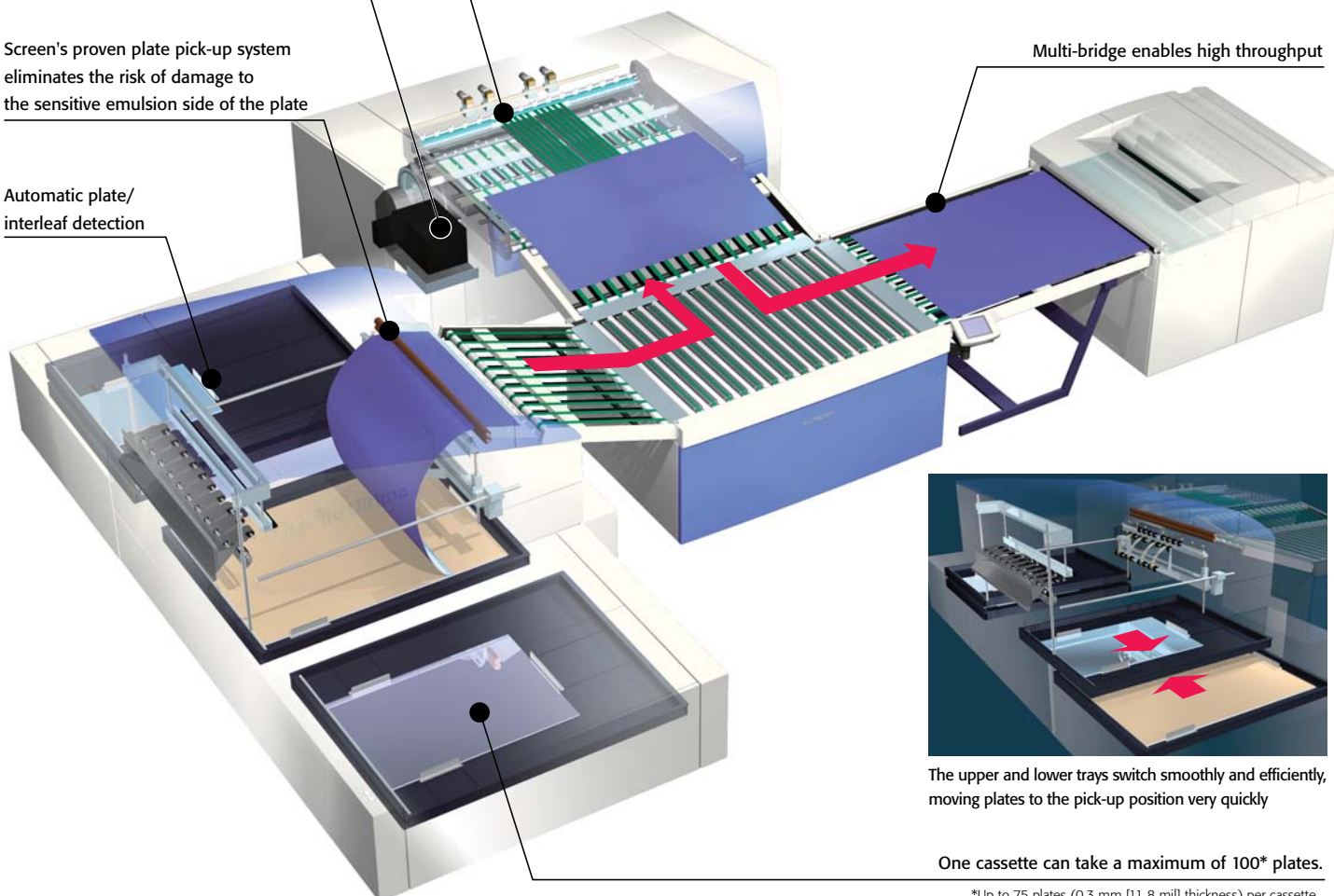
Automatic inline press punching system

Advanced GLV™ imaging head for large-format imaging

Screen's proven plate pick-up system eliminates the risk of damage to the sensitive emulsion side of the plate

Automatic plate/ interleaf detection
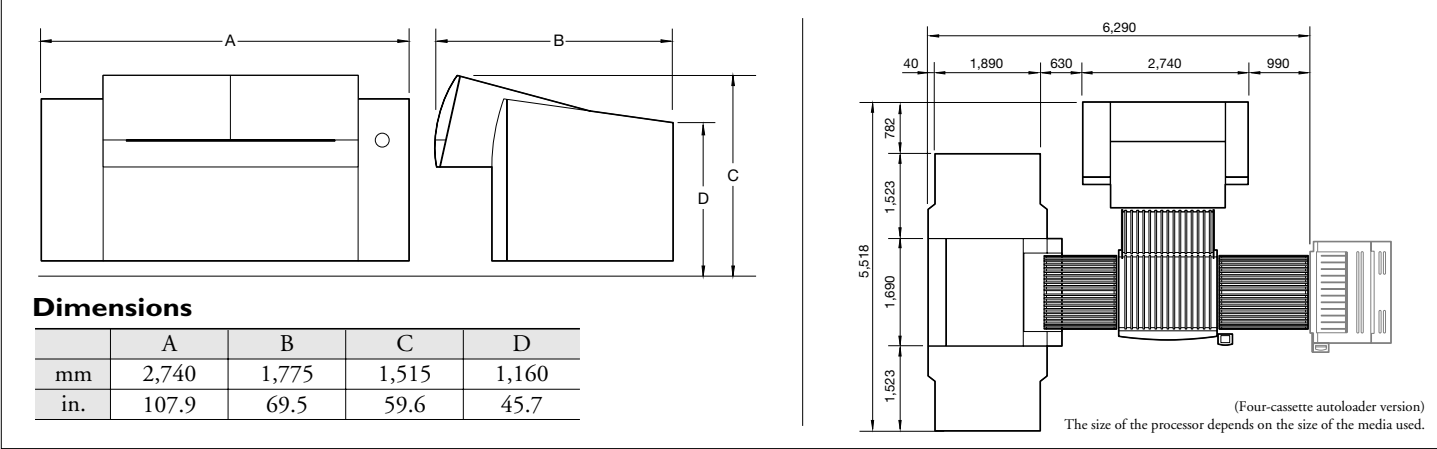
Multi-bridge enables high throughput

The upper and lower trays switch smoothly and efficiently, moving plates to the pick-up position very quickly

One cassette can take a maximum of 100* plates.

*Up to 75 plates (0.3 mm [11.8 mil] thickness) per cassette, when using the three-cassette autoloader.

Space requirements

Dimensions

	A	B	C	D
mm	2,740	1,775	1,515	1,160
in.	107.9	69.5	59.6	45.7

(Four-cassette autoloader version)
The size of the processor depends on the size of the media used.

PlateRite Ultima 16000II Specifications (main unit)

Product name	PlateRite Ultima 16000IIZ	PlateRite Ultima 16000IIS	PlateRite Ultima 16000IIE
Recording system	External drum		
Light source	512-channel laser diode		
Plate size*1	Maximum: 1,470 x 1,165 mm (57.8" x 45.8"); Minimum: 650 x 550 mm (25.6" x 21.7")		
Exposure size*2	1,470 x 1,154 mm (57.8" x 45.4") (Leading edge gripper margin: 6 mm [0.24"]; Trailing edge gripper margin: 5 mm [0.20"])	1,470 x 1,154 mm (Leading edge gripper margin: 6 mm [0.24"]; Trailing edge gripper margin: 5 mm [0.20"])	1,470 x 1,157 mm (Leading edge gripper margin: 3 mm [0.12"]; Trailing edge gripper margin: 5 mm[0.20"])
Media	Thermal plates		
Media thickness	0.2 to 0.4 mm (7.9" x 15.7")		
Resolution*3	1,200/2,400/2,438/2,540 dpi		
Repeatability*4	5 microns		
Productivity*5	31 plates per hour (1,448 x 1,143 mm (57" x 45") plates at 2,400 dpi)	25 plates per hour (1,448 x 1,143 mm (57" x 45") plates at 2,400 dpi)	17 plates per hour (1,448 x 1,143 mm (57" x 45") plates at 2,400 dpi)
Punch systems	Standard punch		Punchless
Interface	F-PIF/S-PIF (LS-313 cannot be used with S-PIF)		
Dimensions (W x D x H)	Main unit: 2,740 x 1,775 x 1,515 mm (107.8" x 69.8" x 59.6")		
Weight	Main unit: 1,640 kg (3608 lb); Blower unit: 85 kg (187 lb); Cooling unit: 79 kg (173.8")		
Power requirements	Main unit: Single phase 200 to 230 V ±10%, 240 V +6%/-10%, 5 kW, 25 A; Blower unit: Single phase 200 to 240 V +6%/-10% 1 kW 10 A; Cooling unit: Single phase 200 to 240 V ±10%, 3 kW, 15 A		
Environment	Recommended temperature range: 21 to 25°C; Recommended relative humidity range: 50 to 70%; Operating temperature range: 18 to 26°C; Operating relative humidity range: 40 to 70%		
Optional	Punch systems (Screen, Heidel, Heidelbach W, Protocol, Komori, and others.), standard punch (for E model), signal tower unit, small-size plate support option (factory option), high-speed upgrade		

*1 One of the specification options shown below must be selected for the PlateRite Ultima 16000II. Small-size plate (450 x 370 mm [17.7" x 14.5"]) support is available as a factory option.
*2 If the punchless option is selected, the leading edge gripper margin is 3 mm (0.12"), and the trailing edge gripper margin is 5 mm (0.20").
*3 1,200 dpi uses 2,400 dpi double dots. *4 Over four consecutive exposures on a single plate (temperature: 23°C; relative humidity: 60%). *5 Productivity may vary depending on the sensitivity of the media.

Setup table specifications

Plate transport	Manual loading, manual unloading (interleaf paper must be removed manually)
Dimensions (W x D x H)	2,740 x 3,130 x 1,515 mm (107.8" x 123.2" x 59.6")
Weight	1,740 kg (3828 lb) (for both main unit and AT-M)
Power requirements	Power supplied by main unit

Semi-auto specifications

Plate transport	Manual loading, manual unloading (interleaf paper must be removed manually
Dimensions (W x D x H)	3,735 x 3,995 x 1,515 mm (147" x 157.2" x 59.6")
Weight	1,990 kg (4378 lb) (for both main unit and AT-M)
Power requirements	Power supplied by main unit

Two-cassette/Three-cassette autoloader specifications

Plate transport	Fully automated (automatic interleaf paper removal)
Plate cassettes	Two-cassette: Max. 100 plates/cassette; Three-cassette: Max. 75 plates/cassette
No. of cassettes	2 or 3
Dimensions (W x D x H)	6,290 x 3,995 x 1,680 mm (247.6" x 157.2" x 66.1")
Weight	Two-cassette: Approx. 2,995 kg (6589 lb) (for both main unit and AT-M) Three-cassette: Approx. 3,140 kg (6908 lb) (for both main unit and AT-M)
Power requirements	Power supplied by main unit

Four-cassette autoloader specifications

Plate transport	Fully automated (automatic interleaf paper removal)
Plate cassettes	Max. 100 plates/cassette
No. of cassettes	4 (2 cassettes on each side)
Dimensions (W x D x H)	6,290 x 5,518 x 1,680 mm (247.6" x 214.4" x 66.1") (with standard accessories)
Weight	Approx. 3,385 kg (133.2 lb) (for both main unit and AT-M)
Power requirements	Power supplied from main unit

Note: The PlateRite Ultima 16000II specification should be chosen from one of the above.

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