SCREEN

OUTPUT

PlateRite 4000Ⅱ

Thermal Plate Recorder

Keep your 4-page presses running with high-productivity thermal CTP—PlateRite 4000Ⅱ

Screen's new PlateRite 4000Ⅱ B2-size thermal plate-setter brings the functionality of Screen's acclaimed 8-page PlateRite 8000 to the task of producing thermal plates for 4-page presses. Thermal plates have attracted attention because they produce crisp dots, support long run-lengths, and can be handled in daylight.
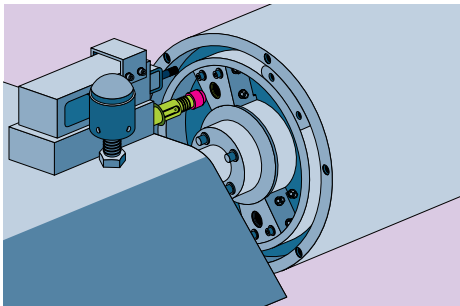
The PlateRite 4000Ⅱ's high-speed drum rotation of up to 1,000 rpm, combined with the 32-channel laser diode exposure head, result in productivity of up to 17 plates per hour*. A wide range of plates can be exposed, because plates are reliably secured to the drum with Screen's own high-precision clamping system. Screen's automatic drum balancing mechanism enables the PlateRite 4000Ⅱ to expose plates of various sizes, all at maximum speed.

Information on plate sizes and types can be programmed in, and recalled later from memory. By selecting the desired plate from a menu, drum balance and other settings are automatically adjusted to fit the selected plate. In addition, punch settings can be saved together with plate information, so that the appropriate punch configuration is also selected automatically at set-up time. The basic configuration of the PlateRite 4000Ⅱ is semi-automatic, but an optional single-cassette autoloader and a processor bridge are available, as well as a multi-cassette autoloader. With a maximum inline configuration, it is possible for a staggering 300 plates of three different sizes to be loaded, imaged, and processed without operator intervention.

*At 2,400 dpi for 724 x 615 mm (28.5" x 24.2") plates.

Auto-balance to support different platesizes

The PlateRite 4000Ⅱ is designed to fit smoothly into your workflow. Auto-balance enables recording 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 4000Ⅱ automatically makes the necessary adjustments to create perfect drum balance for each plate size you use. It can handle a wide variety of plate sizes, from 467 x 394 mm (18.4" x 15.5") or 324 x 492 mm (12.8" x 19.4") to 830 x 645 mm (32.7" x 25.4"), making it easy to tailor plate output to the job at hand.
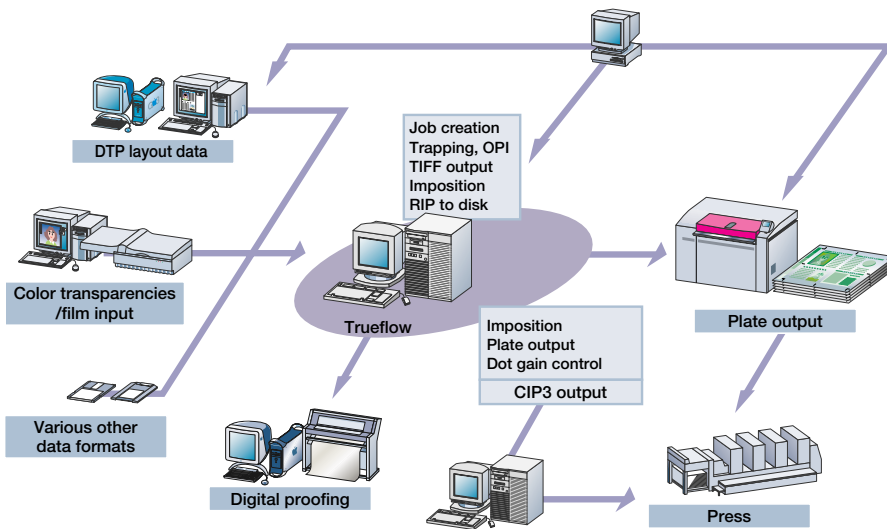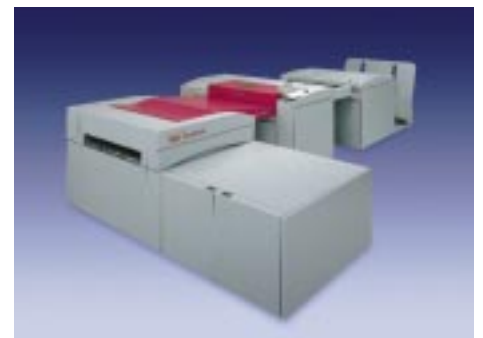
Automatic internal punch

The PlateRite 4000Ⅱ can even punch your plates for you just before imaging, with your choice of optional internal punch block systems that provide exceptional repeatability. You can mount four punch blocks and select punches based on plate size and press type. A variety of suitable punches are available. The PlateRite 4000Ⅱ can change between two punch configurations automatically as required by the automatic media settings.

Autoloader and plate transport options

The PlateRite 4000Ⅱ can be configured for long automatic operation with Screen's autoloader options, acclaimed in the market for their reliability and precision. The first of these is the SA-L4000 single-cassette autoloader. It can hold up to 100 plates and automatically removes interleaf paper before loading. The MA-L4000 multi-cassette autoloader can be added to this. It comes standard with three cassettes. A maximum configuration allows a setup with three cassettes, each holding up to 100 plates, and each with a different size of plate if required. There is also the AT-T4000 processor bridge to extend this automation all the way through to the plate processor. With a full-automation setup it is possible for up to 300 plates of three different sizes to be loaded, imaged, and processed via the inline processor, all without operator intervention.
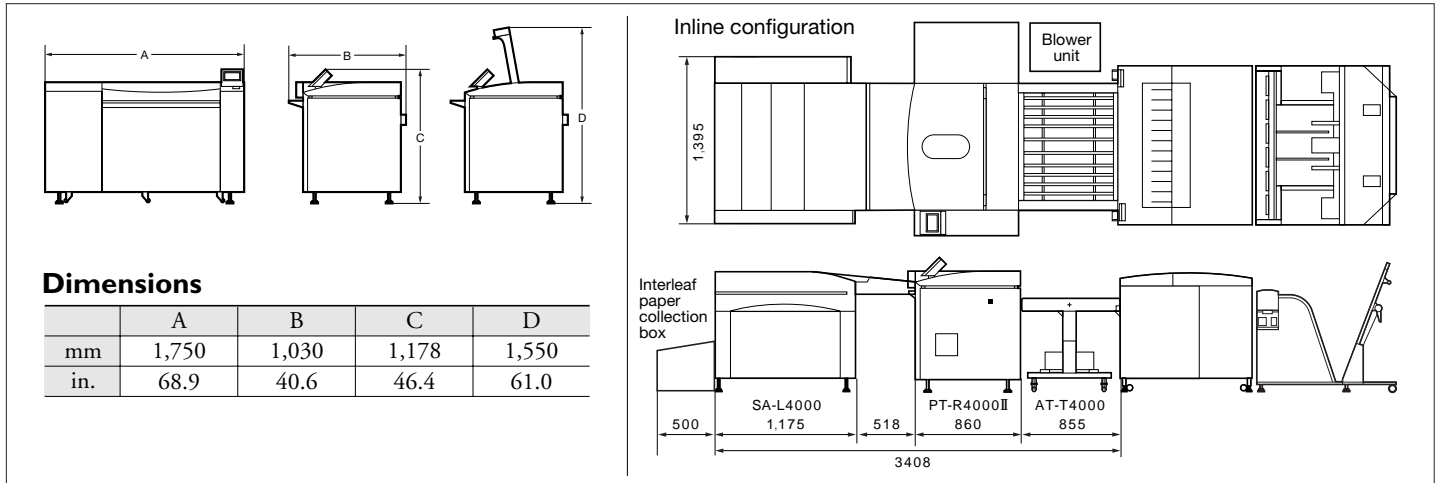
SA-L4000

MA-L4000

Workflow diagram

- DTP layout data
- Color transparencies /film input
- Various other data formats

Job creation
Trapping, OPI
TIFF output
Imposition
RIP to disk

Trueflow

Imposition
Plate output
Dot gain control

CIP3 output

Digital proofing

Plate output

Press

PlateRite 4000Ⅱ

Space requirements

Dimensions

	A	B	C	D
mm	1,750	1,030	1,178	1,550
in.	68.9	40.6	46.4	61.0

PlateRite 4000Ⅱ specifications

Model name	PT-R 4000Ⅱ
Recording system	External drum
Light system	32-channel infrared laser diodes
Plate sizes	Maximum 830 mm x 645 mm (32.7" x 25.4")
	Minimum 324 mm x 394 mm (12.8" x 15.5")
Exposure size	Maximum 830 mm x 618 mm (32.7" x 24.4")
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	17 plates/hr at 2,400 dpi (724mm x 615 mm / 28.5" x 24.2") **
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)	1,750 mm x 1,030 mm x 1,178 mm (68.9" x 40.6" x 46.4")
Weight	630 kg (1,386 lb.)
Environment	23°C ± 2°C (73.4°F ± 3.6°F), 40 to 70% relative humidity (non-condensing)
Power requirements	Single phase 200V to 230V ±10% , 15A, 3.0kW
Standard accessories	Blower unit
Options	Single cassette autoloader SA-L 4000
	Multi-cassette autoloader MA-L 4000
	Processor bridge AT-T 4000

* Over four consecutive exposures on one plate at 23°C and 60% relative humidity.

** Output speed may vary depending on the sensitivity of the media.

SA-L4000 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)	1,395mm x 1,735 mm x 1,010 mm (55.0" x 68.3" x 39.8")
Installation dimensions (W x H)	1,200 mm x 1,050 mm (47.3" x 41.4")
Weight	Approx. 340 kg (748 lb.)
Power	Single phase 200 to 230 V ± 10%, 5A 1.0kW
Grounding	(to comply with local regulations)
Environment	Same as main unit
Standard accessories	Plate cassette and carrier, interleaf paper collection box
Options	Additional plate cassettes and carriers (with cassette dust covers)

MA-L4000 Multi-cassette autoloader specifications

Plate transport	Fully automatic loading and automatic interleaf removal
Cassette capacity	100 plates per cassette
No. of cassettes	3 cassettes
Cassette transport	Fully-automatic (horizontal / vertical)
Cleaning function	Cleaning roller (cleans both surfaces of plates)
Cassette changeover	Maximum 60 seconds
Dimensions (W x D x H)	2,590 mm x 1,735 mm 1,010 mm (10.2" x 68.3" x 39.8")
Installation dimensions (W x H)	1,200 mm x 1,050 mm (47.3" x 41.4")
Weight	765 kg (1,683 lb.)
Power	Single phase 200 to 230 V ± 10%, 5A 1.0kW
Environment	Same as main unit
Standard accessories	3 cassettes, interleaf paper collection box

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

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