

PlateRite News 2000

Thermal Plate Recorder for Newspapers



Creating a Future in Print

The flexibility to respond to the needs of the newspaper industry paired with top-level performance

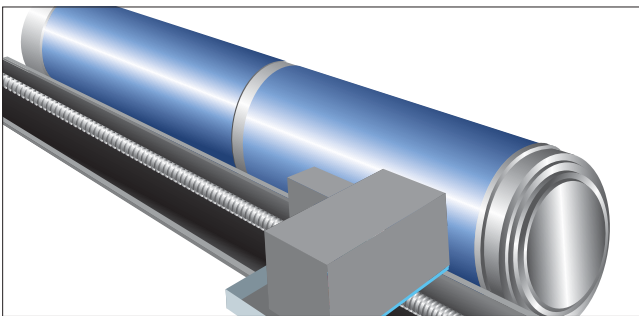


Advanced Technology

High-speed output

The PlateRite News 2000S+ features a 64-channel light source that makes it possible to image a remarkable 106 plates per hour*. It also offers superior halftone dot reproduction, thanks to its use of thermal plates. What's more, two plates can be loaded onto the drum at once and imaged sequentially. By reducing the number of times plates need to be loaded, dual plate loading further increases productivity.

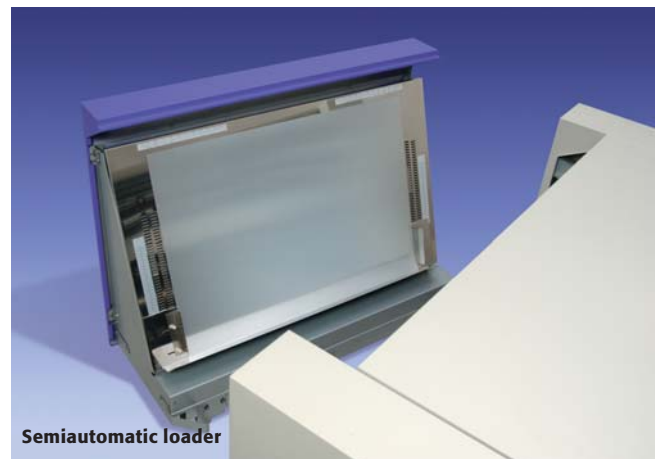
* For 1L1W (320 x 470 mm/12.5" x 18.5") plates at 1,200 dpi, when dual plate loading is used. Dual plate loading is only available with the 2000S+/2000S/2000E models.



Securing productivity through technology that

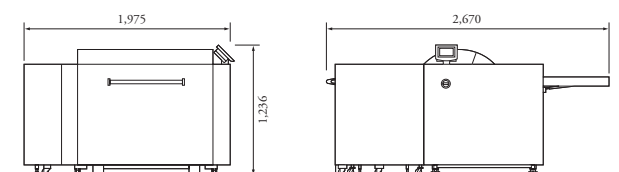
Plate loading options to suit your productivity needs

There are four different types of plate loading options available to suit your specific needs. They include a feed tray, semiautomatic loader (no interleaf removal), single-cassette autoloader (with interleaf removal), and multi-cassette autoloader (maximum 3 cassettes, with interleaf removal). If you choose the feed tray to begin with, you can upgrade to an optional autoloader at a later time if your production needs increase.



Semiautomatic loader

PlateRite News 2000 with semiautomatic loader



*For illustrations showing the PlateRite News with other plate loading options, please see the next page.

The PlateRite News 2000 is a CtP recorder that shares technology with the celebrated PlateRite series of plate recorders. It offers the superior quality and productivity users have come to expect from the PlateRite series, as well as features expressly designed for the demanding newspaper printing industry.

The PlateRite News 2000 provides high-quality halftone dot reproduction thanks to its use of thermal plates, as well as consistent, timely plate output suitable for the newspaper industry, where every second counts.

The PlateRite News 2000 is available in four models, including the 2000S+/S/E, both of which offer dual plate loading and superior productivity, and the entry-level 2000LE. All three models have the flexibility to meet the needs of the newspaper industry's demanding workflows, while providing all the benefits of thermal CtP.

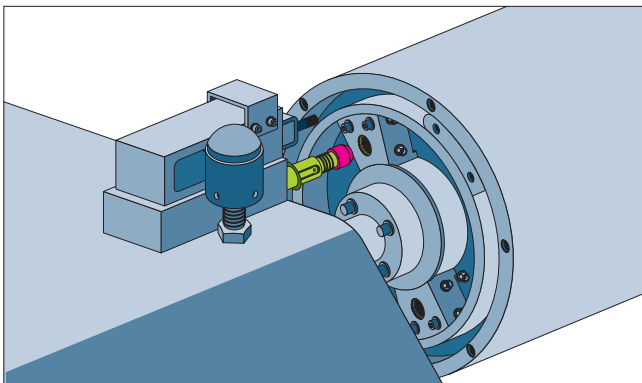
answers the strict needs of today's newspaper industry

A variety of plate sizes

The PlateRite News 2000S+/2000S/2000E are perfect for pressrooms that use multiple plate sizes. They can output plates for most presses in the B3 to B1 range, with a minimum plate size of 290 x 460 mm (11.5" x 18.2") and a maximum plate size of 980 x 685 mm (38.5" x 26.9"), respectively, for plates ranging from 0.2 mm (7.9 mil) to 0.3 mm (11.8 mil) thick.

Plate auto-balancing takes the burden off operators

The auto-balancing feature of the PlateRite News 2000 makes it possible to use different sized plates without making any manual adjustments for correct drum balance. The operator simply selects the desired type of plate, and the PlateRite News 2000 automatically makes the necessary adjustments to create perfect drum balance for each plate size. The PlateRite News 2000 also feature separate loading and unloading bays, so that one plate can be readied for loading while another is being exposed.



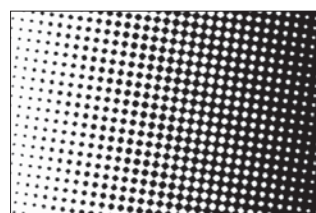
6 mm clamps

Clamps are used to hold the plate when it is wrapped around the drum. The greater the area that the clamps occupy, the more they infringe on the actual image area, and the greater the risk that they will come in contact with the ink. Since cleaning the clamps takes precious time, there is an advantage to reducing their size, and the PlateRite News 2000 do just that by using clamps a mere 6 mm (0.23") in width.

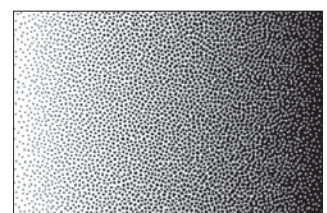
Support for Spekta screening

The PlateRite News 2000S+/2000S/2000E support Spekta screening. Spekta combines the strengths of both conventional AM screening methods and advanced FM (stochastic) screening. This makes it possible to produce extraordinary quality with ordinary screen rulings.

All the dots in Spekta screens are slightly randomized so that moiré and visible rosette patterns can never occur. And, by applying FM screening methods to highlights and shadow areas, Spekta produces breathtaking detail and color completely free of jagged edges and broken lines. Spekta screening and the PlateRite News 2000S+/2000S/2000E are an unbeatable combination.



AM screening



Spekta

Space requirements

Feed tray type

Diagram showing dimensions A (width), B (height), and C (depth) for the feed tray type.

PlateRite News 2000 with MA-L N2000

Diagram showing dimensions D (width), E (height), and F (depth) for the PlateRite News 2000 with MA-L N2000.

* This illustration shows the PlateRite News 2000 connected to the MA-L N2000, built-in short bridge, and AT-M8001. For an illustration of the unit connected to the semiautomatic loader, please see the previous page.

Dimensions

	A	B	C
mm	1,995	1,236	1,890
inches	78.5	48.6	74.4

Dimensions

	D	E	F
mm	3,778	1,236	3,220
inches	148.7	48.6	126.7

PlateRite News 2000S+/2000S/2000E/2000LE specifications

Model	PT-R N2000S+	PT-R N2000S	PT-R N2000E	PT-R N2000LE
Recording system	External drum			
Light source	64-channel laser diode		32-channel laser diode	
Plate size*1	Dual plate: Max. 460 x 685 mm (18.1" x 26.9"); Min. 290 x 460 mm (11.5" x 18.2") Single plate: Max. 980 x 685 mm (38.5" x 26.9"); Min. 461 x 460 mm (18.2" x 18.2")			
Exposure size	980 x 671 mm (38.5" x 26.4")			
Media	Thermal plates			
Plate thickness	0.2 to 0.3 mm (7.9 to 11.8 mil)			
Resolutions	1,000 /1,016 /1,200 /1,270 dpi			1,200 dpi
Repeatability	±10 microns			
Productivity (dual plate)*2	106 plates per hour(320 x 470mm [12.5" x 18.5"], 1,200dpi)	84 plates per hour (320 x 470 mm[12.5" x 18.5"], 1,200 dpi)	58 plates per hour (320 x 470 mm [12.5" x 18.5"], 1,200 dpi)	—
Productivity (single plate)*2	49 plates per hour(890 x 590mm [35.0" x 23.2"], 1,200dpi)	41 plates per hour (890 x 590 mm [35.0" x 23.2"], 1,200 dpi)	26 plates per hour (890 x 590 mm [35.0" x 23.2"], 1,200 dpi)	
Interface	Fast PIF			
Plate loading*3	Feed tray, SA-L/MA-L N2000 (with interleaf removal), semiautomatic loader (no interleaf removal)			
Plate unloading*3	Built-in bridge, built-in short bridge, cover lid unit			
Dimensions (W x D x H)	Main unit: 1,995 x 1,890 x 1,236 mm [78.5" x 74.4" x 48.6"] (feed tray type + built-in bridge) 1,975 x 2,670 x 1,236 mm [77.7" x 104.9" x 48.6"] (semiautomatic loader type + built-in bridge) 1,995 x 3,778 x 1,236 mm [78.5" x 148.7" x 48.6"] (SA-L type + built-in short bridge) 3,220 x 3,778 x 1,236 mm [126.7" x 148.7" x 48.6"] (MA-L type + built-in short bridge) Blower unit: 600 x 429 x 361 mm (23.6" x 16.8" x 14.2")			
Weight	Main unit: (2000S+) 770 kg (1,694 lb); (2000S/2000E) 760 kg (1,672 lb); (2000LE) 750 kg (1,650 lb); SA-L N2000: 380 kg (836 lb); MA-L N2000: 820 kg (1804 lb); Semiautomatic loader: 180 kg (396 lb); Blower unit: 25 kg (55 lb)			
Power requirements	Main unit: Single phase 200 to 230 V ±10%, 240 V +6%, -10%, 5.0 kW, 25 A (SA-L/MA-L, semiautomatic loader, blower unit get power supply from main unit)			
Ground	D-type connection (breaker also required)			
Environment	Recommended: 21 to 25°C (69.8 to 77°F), relative humidity 50 to 70% (no condensation) Required: 18 to 26°C (64.4 to 78.8°F), relative humidity 40 to 70% (no condensation)			
Optional accessories	Additional cassettes, signal tower unit, additional fan unit, drum shutter, cleaning roller unit (N2000LE), head pump unit (N2000LE)			

*1. The PT-R N2000LE offers single plate loading only. *2. Productivity may vary depending on media sensitivity and system configuration. *3. One of the listed options must be selected.

DAINIPPON SCREEN MFG. CO., LTD.

HEAD OFFICE

* Teranouchi-sagaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto, 602-8585 Japan/Phone +81-75-414-7610/Fax +81-75-414-7608

SCREEN (USA)

* 5110 Tollview Dr., Rolling Meadows, IL 60008, USA/Phone 847-870-7400/Fax 847-870-0149 www.screenusa.com

DAINIPPON SCREEN (DEUTSCHLAND) GmbH

* Mühlheim-er Weg 39, 40472 Düsseldorf, Germany/Phone 0211-4727199/Telex 858-4438 DSSDD D

DAINIPPON SCREEN (U.K.) LTD.

* Michigan Drive, Tongwell, Milton Keynes, Buckinghamshire MK15 8HT, UK/Phone 01908-848500/Fax 01908-848501 www.screen.co.uk

DAINIPPON SCREEN (NEDERLAND) BV

* Bouwerij 46, 1185 XX Amstelveen, Holland/Phone 020-4567800/Fax 020-4567805 www.screeneuropa.com

SCREEN FRANCE

* 10 allée des Cascades, Immeuble Niagara, Z.I. Paris Nord 2, 95940 Roissy C.D.G. Cedex, France/Phone +33 (0)1 48178600/Fax +33 (0)1 48178601

DAINIPPON SCREEN SINGAPORE PTE. LTD.

* 29, Kaki Bukit View, Kaki Bukit Techpark II, Singapore 415963/Phone 67493833/Fax 67499010 www.screenp.com.sg

DAINIPPON SCREEN (CHINA) LTD.

* Room 2001 - 2003, 20/F Cable TV Tower 9 Hai Shing Road Tsuen Wan, N.T. Hong Kong/Phone +852-2953-0038/Fax +852-2755-8683

Beijing office/Phone 010-6708-9271, 9272, 9273/Fax 010-6708-9395

Shanghai office/Phone 021-6466-4501/Fax 021-6466-4503

Guangzhou office/Phone 020-3991-1112/Fax 020-3991-1036

DAINIPPON SCREEN (TAIWAN) CO., LTD.

* 4F No. 126-1, Ming Tsu West Rd., Taipei, Taiwan/Phone 02-25862711/Fax 02-25914367

DAINIPPON SCREEN (KOREA) CO., LTD.

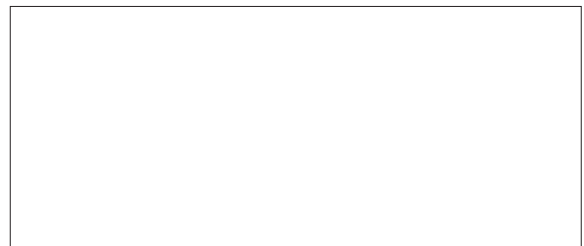
* 10th Yonsai Bongsae B/D 4F-3, 1Ga, Bongsae-Dong, Joong-Gu, Seoul 100-161, Korea/Phone 02-7766-786/Fax 02-7766-787

DAINIPPON SCREEN (AUSTRALIA) PTY. LTD.

* Unit 2, 207-209 Young Street, Waterloo, NSW 2017, Australia/Phone 02-9310-1314/Fax 02-9310-3566

Internet web site : www.screen.co.jp
www.screenusa.com
www.screeneuropa.com

- 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.