

PlateRite News 2000

Thermal Plate Recorder for Newspaper

CTP



Offering a flexible response to newspaper industry workflow with overall performance at the top of its class.

Screen, the printing industry's top manufacturer of thermal CTP equipment, is proud to introduce the PlateRite News 2000, a new thermal CTP unit for the newspaper industry.

Based on the highly acclaimed technology in all our PlateRite models, a series reputed for its excellent productivity and superior quality, the PlateRite News 2000 provides the top-end performance that the newspaper industry demands. Moreover, it delivers excellent space-saving and cost performance characteristics, with prompt and timely plate supply for those newspaper production processes where each and every second counts.

For standard 1L1W newspaper sizes, the PlateRite News 2000 can output a world-class 80 plates per hour along with the high-quality halftone reproduction that only thermal plate recorders offer.

Along with the rising demand for higher quality that comes with increased use of color in newspapers, the PlateRite News 2000 brings all of the advantages of thermal CTP while responding flexibly to the workflow that is distinct to the newspaper industry. While offering an increasingly high level of quality, as well as convenience from its auto loader, the PlateRite News 2000 contributes to the establishment of a new production style that pays due attention to the current needs of our time.

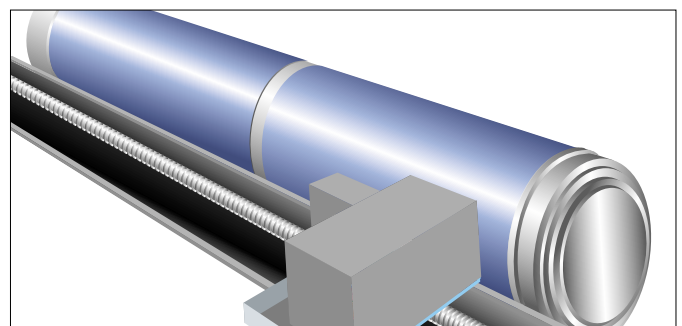


Advanced Technology

80 plates per hour (1L1W-size)

The PlateRite News 2000 outputs a remarkable 80 1L1W-size (320 mm x 600 mm) plates per hour, and achieves the high level of quality in halftone reproduction that's only available from thermal plate recorders. Moreover, with a built-in 64-channel imaging head and the high-speed drum that enables its surprising output level, the PlateRite News 2000 demonstrates productivity that exceeds all previous expectations.

And, since 2 plates can be handled simultaneously, continuous exposure is possible and further efficiency in productivity is achieved by the corresponding reduction in individual loading requirements.



Securing productivity through technology that answers the strict needs of today's newspaper industry

Equipped with auto loader

Though the PlateRite News 2000 can be equipped with an output bridge and auto loader, single-cassette and multi-cassette auto loader models, both with interleaf capabilities, are also scheduled for release in order to demonstrate this unit's superior production capacity even more effectively. Extended and continuous operation will be possible by setting plates in more than one cassette.



Auto loader

A variety of plate sizes

The PlateRite News 2000 is perfect for press rooms that use multiple plate sizes. It can output plates for most presses in the B3 to B1 range, with a minimum plate size of 460 x 290 mm (18.1" x 11.4") and a maximum plate size of 980 x 685 mm (38.5" x 26.9"), respectively, for plates ranging from 0.2 mm (8 mil) to 0.3 mm (12 mil) thick.

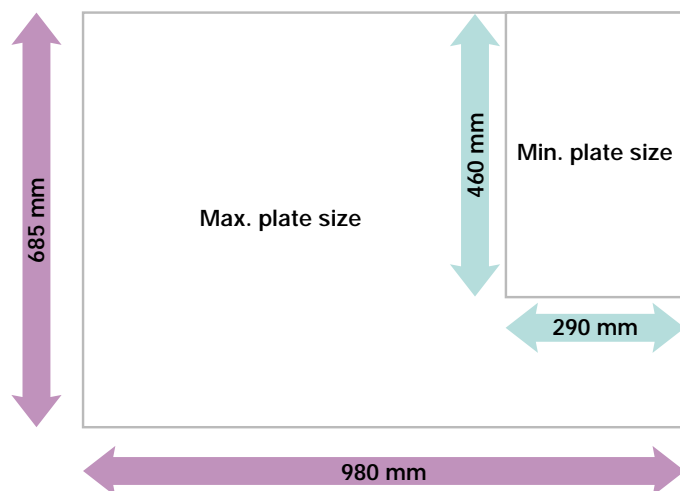
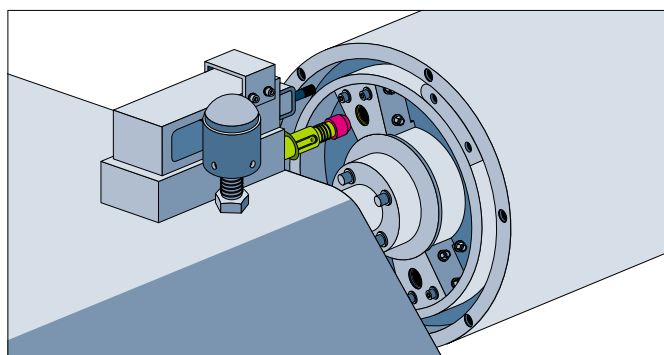


Plate auto-balancing takes the burden off operators

The PlateRite News 2000's auto-balancing feature 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 features separate loading and unloading bays, so that one plate can be readied for loading while another is being exposed.

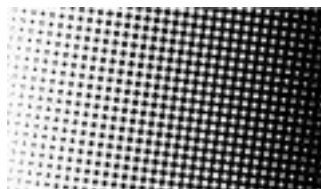


6 mm clamps

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 greater the risk that they will come in contact with the ink. Since the need to clean them will take up precious time, there is an advantage to reducing their size, and the PlateRite News 2000 does just that by using clamps a mere 6 mm in width.

Support for Spekta 2 screening

The PlateRite News 2000 supports Spekta 2 screening. Spekta 2 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 2 screens are slightly randomized so that moire and visible rosette patterns can never occur. And, by applying FM screening methods to highlights and shadow areas, Spekta 2 produces breathtaking detail and color completely free of jagged edges and broken lines. Spekta 2 screening and the PlateRite News 2000 make an unbeatable combination.

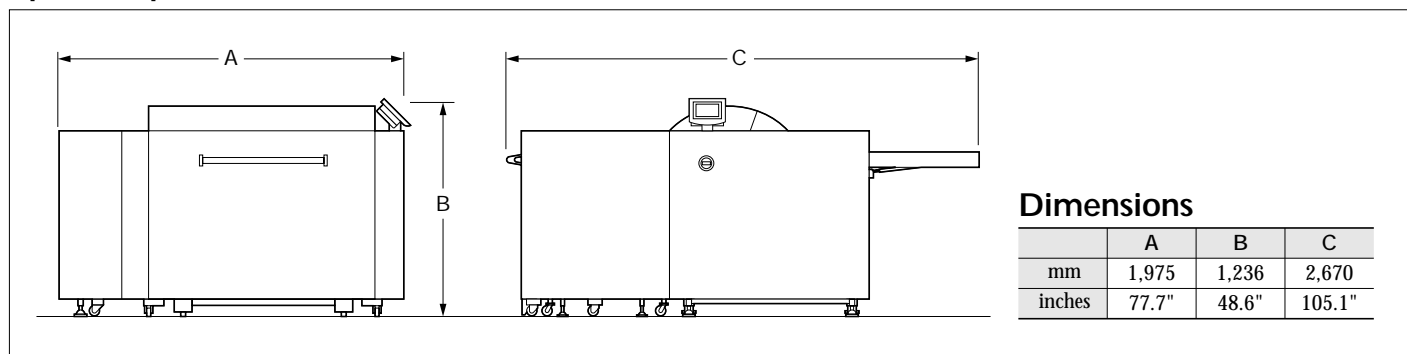


AM screening



Spekta 2

Space requirements



Specifications

Recording system	External drum
Light source	64-channel imaging head
Plate size	Maximum 980 mm x 685 mm (38.5" x 26.9") Minimum 290 mm x 460 mm (11.5" x 18.2")
Exposure size	Maximum 980 mm x 673 mm (38.5" x 26.4") Minimum 290 mm x 448 mm (11.5" x 17.7")
Media	Media Thermal (infrared sensitive) plates
Media thickness	Media thickness 0.2 mm to 0.3 mm (8 to 12 mil)
Resolutions	1,000/1,016/1,200/1,270 dpi
Repeatability	±10 microns
Productivity	Max. 80 plates/hr (320 mm x 600 mm / 12.5" x 23.6") Max. 40 plates/hr (890 mm x 586 mm/35" x 23")
Interface	Fast PIF
Media loading	Manual feeding table** Auto loader (without interleaf function)** Single-cassette auto loader (with interleaf function)*** Multi-cassette auto loader (with interleaf function)***
Media unloading	Straight conveyor
Dimensions (W x D x H)	Main unit: 1,975 mm x 2,670 mm x 1,236 mm / 77.7" x 105.1" x 48.6" (with standard auto loader), 1,995 mm x 1,840 mm x 1,236 mm / 78.5" x 72.4" x 48.6" (with manual feeding table); Blower unit: 600 mm x 429 mm x 361 mm / 23.6" x 16.8" x 14.2"
Weight	Main unit (including conveyor): 760 kg, Auto loader: 180 kg, Blower unit: 25 kg
Power requirements	Single phase 200 to 240 V (+6% to -10%), 25 A, 5 kW **** Power to blower supplied from main unit
Earth (ground)	D-type
Environment	Recommended temperature: 21°C to 25°C (69.8°F to 77°F); Operating temperature: 18°C to 26°C (64.4°F to 78.8°C); Relative humidity: 40% to 70% (non-condensing)
Standard accessories	Straight conveyor
Optional accessories	Manual feeding table or auto loader Signal tower

* Productivity may vary depending upon plate sensitivity.

** Either the manual feeding table or the standard auto loader must be selected.

*** The multi-plate standard auto loader, single-cassette auto loader, and multi-cassette auto loader are scheduled for release in the near future.

**** These specifications are for models with the auto loader.

DAINIPPON SCREEN MFG. CO., LTD.

HEAD OFFICE

* Teranouchi-agon 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

* Mündelheimer Weg 39, 40472 Düsseldorf, Germany/Phone 0211-472701/Fax 0211-4727199/Telex 858-4438 DSDD 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.screen-europe.com

SCREEN FRANCE

* Z.I. Paris Nord II, 12 Rue des Chardonnerets, B.P. 50315, F-95940 ROISSY C.D.G. Cedex, France/Phone 1-48-17-86-00/Fax 1-48-17-86-01

DAINIPPON SCREEN SINGAPORE PTE. LTD.

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

DAINIPPON SCREEN (CHINA) LTD.

* 6th Floor, 414 Kewun Tong Road, Kewun Tong, Kowloon, Hong Kong/Phone 2953-0038/Fax 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 020-3891-1112/Fax 020-3891-1036

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.

* 8th Yonsai Bongsae B/D 48-3, 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

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Internet web site : www.screen.co.jp

www.screenusa.com www.screen-europe.com

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