

PlateRite 8800E/S/Z/ZX

Thermal Plate Recorders



Creating a Future in Print

Superior quality and the world's best productivity



Cutting-edge imaging system

1,024-channel imaging head enables the world's fastest productivity (in its class)

The PlateRite 8800ZX features a 1,024-channel imaging head with the latest GLV™ technology. This new imaging head makes it possible for the PlateRite 8800ZX to output a remarkable 50 plates per hour*, the highest productivity in its class. It also provides the high-quality halftone dot reproduction users have come to expect in thermal plate output, for the perfect marriage of quality and productivity.

*When using the PlateRite 8800ZX to output 1,030 x 800 mm (40.5" x 31.4") plates, at 2,400 dpi.

High-resolution and lenticular printing support

The PlateRite 8800E/S/Z offers high-resolution 4,000 dpi support as an option. This option is perfect for everything from high-resolution art printing to the accurate reproduction of small text sizes like those required for bond and other certificate printing. Plates suitable for high-quality lenticular printing, including plates for the output of 3D images, can also be produced.

PlateRite 8800E/S/Z/ZX Productivity

	Productivity [1,030 x 800 mm (40.5" x 31.4") at 2,400 dpi] *1
PlateRite 8800ZX	50 plates/hour
PlateRite 8800Z	42 plates/hour
PlateRite 8800S	32 plates/hour
PlateRite 8800E	24 plates/hour

*1 Productivity may vary depending on the sensitivity of the media.

Advanced technology that supports high quality

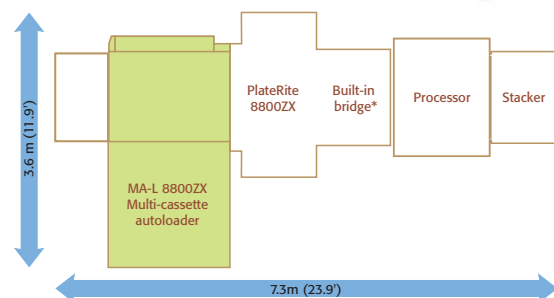
Advanced automation for even better productivity

Several autoloaders are available to enhance the productivity of the PlateRite 8800 Series, including the SA-L 8800II/8800ZX and the MA-L 8800II/8800ZX. With the addition of an autoloader and other appropriate equipment, you can create a system where everything from plate loading to imaging, plate transport, developing, and plate delivery is fully automated. The MA-L 8800II/8800ZX can be equipped with up to five plate cassettes that hold up to 500 plates total, enabling long periods of automated operation without any operator intervention.



MA-L 8800ZX with inline docking system

MA-L 8800ZX inline docking system



*AT-M 8001 and AT-T 8001 also available.

The PlateRite 8800 series is renowned for its remarkable combination of Screen's unique external drum technology and high precision imaging. The latest model in the PlateRite 8800 series, the PlateRite 8800ZX, combines high-quality, high-performance CTP output of B1-size plates with even higher productivity – a remarkable 50 plates per hour*, the fastest in its class.

In addition to exceptional throughput, the PlateRite 8800 series also offers a variety of mix-and-match options that allow these CTP recorders to be tailored to suit a wide range of needs. For example, the high-resolution option enables them to print bonds and other securities.

The PlateRite 8800 series models offer fast, reliable processing, from data input to plate output, making them the perfect tools for even the most advanced digital workflows.

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

ity and productivity

Upgrade to create the optimal Computer-to-Plate (CtP) environment

The PlateRite 8800 series can be upgraded onsite. (upgrade charges apply). This makes it possible to increase the productivity of your recorder to meet increasing demand without buying a brand-new unit.

Suitable for a wide range of plate sizes

The PlateRite 8800E/S/Z/ZX offers standard support for plates between 450 x 370 mm (17.8" x 14.6") [GTO size] and 1,160 x 940 mm (45.6" x 37") in size, with minimum 304 x 370 mm (12" x 14.6") plate size support available as a factory option. It can handle plate thicknesses ranging from 0.15 to 0.3 mm (6 to 11.8 mil) [0.4mm (16 mil) thickness support is available as a factory option].

Better registration with an inline punching system

The PlateRite 8800E/S/Z/ZX features an automatic inline punching system that helps enable perfect registration on press. Plates are punched by this automatic inline punching system immediately before being loaded onto the drum. The registration punch holes ensure consistent plate placement on the drum, when used in conjunction with standard registration pins. This helps eliminate imaging variations caused by improper plate placement, and ensures superior registration accuracy.

When optional press punch blocks are used (up to 8 punch blocks can be mounted and selected according to plate size and press type), the imaged plates can be loaded directly onto the press after output. The use of press punch blocks during plate output eliminates the need for manual punching later on in the

workflow, ensures excellent registration accuracy, and creates the foundation for perfect results on press. It also dramatically shortens press make-ready time and improves press operating ratios, for even better overall productivity.

Support for 6 mm leading edge and 8 mm trailing edge clamps

The PlateRite 8800E/S/Z/ZX supports the use of 6 mm leading edge clamps and 8 mm trailing edge clamps. By supporting 6 mm and 8 mm clamps, the PlateRite 8800E/S/Z/ZX both ensures that the maximum imaging area can be used and enables the output of plates that meet the requirements of a wide variety of printing presses.

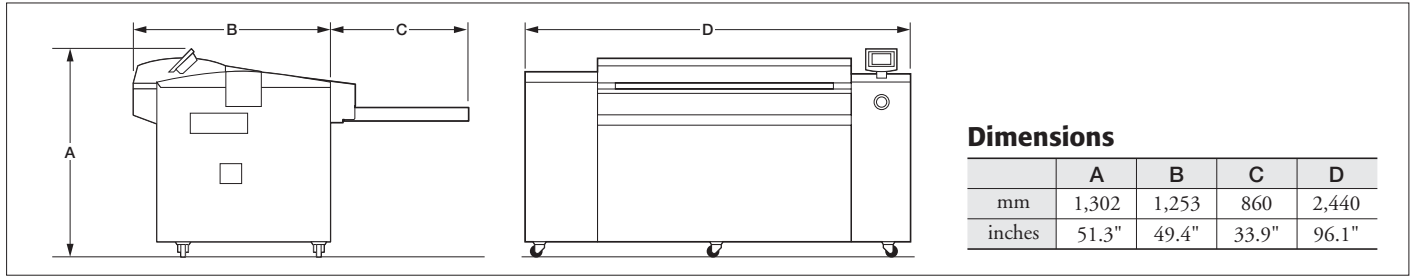
Plate auto-balancing

The PlateRite 8800E/S/Z/ZX features a unique auto-balancing feature. The operator simply selects the appropriate pre-registered plate size and type during setup, and the recorder automatically makes the necessary adjustments to ensure perfect drum balance. This results in stable, high-speed drum rotation for all the plate sizes and thicknesses handled by the recorder.

Remote monitoring

The status of the PlateRite 8800E/S/Z/ZX can be monitored remotely, in real-time, through a web browser. With the addition of a mail server, the system can also send status e-mails. It can even send e-mail to service centers, where status data can be incorporated into a service database and used to summon service automatically, ensuring that the unit is in optimal operating condition at all times (certain charges apply).

Space requirements



PlateRite 8800E/S/Z/ZX specifications

Product name	PlateRite 8800ZX	PlateRite 8800Z	PlateRite 8800S	PlateRite 8800E
Recording system	External drum			
Light source	1,024-channel laser diode		512-channel laser diode	
Plate size	Maximum: 1,160 x 940 mm (45.6" x 37"); Minimum: 450 x 370 mm (17.8" x 14.6") [minimum 304 x 370 mm (12" x 14.6") available as an option]*6			
Exposure size*1	1,160 x 926 mm (45.6" x 36.4") [Leading edge gripper margin: 6 mm (0.24"); Trailing edge gripper margin: 8 mm (0.32")]			
Media	Thermal plates			
Media thickness*2	0.15 to 0.3 mm (6 mil to 11.8 mil) [0.4 mm (15.7 mil) available as an option]*6			
Resolutions (dpi)	1,200*3/2,400/2,438/2,540		1,200*3/2,400/2,438/2,540/4,000 (4,000 dpi requires high-resolution option)	
Productivity	For further details, see "PlateRite 8800E/S/Z/ZX Productivity" in this brochure.			
Press punch systems	Screen, Heidel, Heidelbach W, Protocol, Komori, and others			
Interface*5	F-PIF/S-PIF			
Dimensions (W x D x H)	Main unit: 2,440 x 1,302 x 1,295 mm (96.1" x 51.3" x 51") Blower unit: 693 x 675 x 550 mm (27.3" x 26.6" x 21.7"); Chiller unit: 385 x 715 x 460 mm (15.2" x 28.2" x 18.2")			
Weight	Main unit: 1,150 kg (2530 lb); Blower unit: 85 kg (187 lb); Chiller unit: 79 kg (173.8 lb)			
Power requirements	Main unit: Single phase 200 to 240 V +6%/-10% 4 kW 21 A Blower unit: Single phase 200 to 230 V ±10%, 240 V +6%/-10% 1 kW 5 A; Chiller unit: Single phase 200 to 240 V +6%/-10% 3 kW 15 A			
Environment	Recommended temperature range: 21 to 25°C (69.8 to 77°F); Operating temperature range: 18 to 26°C (64.4 to 78.8°F); Relative humidity range: 40 to 70% (no condensation)			
Options	SA-L 8800ZX MA-L 8800ZX Built-in bridge	SA-L 8800II MA-L 8800II		high-resolution printing option (4,000 dpi)*6 AT-T 8001 and AT-M 8001 plate transport systems, various printing punches, small-size plate support option*6, signal tower unit

*1 For plates 590 mm (23.3") or greater in width and less than 610 mm (24") in width, the standard punch option must be used. *2 The factory option thickness of 0.4 mm (15.7 mil) is only available for plates 1,030 x 770 mm (40.5" x 30.3") or larger. *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 LS-313 cannot be used with S-PIF. *6 Option must be selected before the unit is shipped from the factory.

Autoloader specifications

Model name	SA-L 8800ZX	SA-L 8800II	MA-L 8800ZX	MA-L 8800II
Compatible models	PlateRite 8800ZX	PlateRite 8800E/S/Z	PlateRite 8800ZX	PlateRite 8800E/S/Z
Plate transport	Fully automated (automatic interleaf paper removal)			
Cassette capacity	100 plates		100 plates per cassette	
No. of cassettes	—		Up to 5 cassettes (3 cassettes standard)	
Dimensions (W x D x H)	1,758 x 1,806 x 1,295 mm (69.3" x 71.2" x 51")		3,213 x 1,806 x 1,295 mm (126.5" x 71.2" x 51")	
Weight*7	600 kg (1320 lb)		1,250 kg (2750 lb)	
Power	Power supplied by main unit			
Environment	Recommended temperature range: 21 to 25°C (69.8 to 77°F); Operating temperature range: 18 to 26°C (64.4 to 78.8°F); Relative humidity range: 40 to 70% (no condensation)			
Standard accessories	1 carrier-type cassette, interleaf paper disposal box		Interleaf paper disposal box	
Options	Additional carrier-type cassettes (with dustproof covers)		Additional cassettes (with cassette trays and driver motors)	

*7 Not including the weight of the plates.

AT-T 8001 plate transport system specifications

Dimensions (W x D x H)	1,533 x 1,210 x 990 mm (60.4" x 47.7" x 39")
Weight	125 kg (275 lb)
Power requirements	Single phase 200 to 240 V +6%/-10%, 0.07 kW, 0.45 A (supplied by main unit)
Environment	21 to 25°C (69.8 to 77°F) [recommended], 18 to 26°C (64.4 to 78.8°F) [operating], Relative humidity 40 to 70% (no condensation)

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