

# PlateRite Ultima 32000Z/32000

Thermal Plate Recorder

CTP



Innovation & Reliability

# Large, multi-format platesetter with unprecedented speed and quality

Dainippon Screen's PlateRite Ultima 32000Z/32000 is a large, multi-format thermal platesetter that can output 32-page plates, as well as every other plate size down to 4-page format. Thanks to its advanced 512-channel imaging head, based upon GLV™ (grating light valve™) technology, it outputs all these plates with a speed and quality that is sure to amaze you and your customers. The PlateRite Ultima 32000Z, which features dual imaging head can image 18 large size plate of 2,032 x 1,270 mm (80" x 50") per hour. The PlateRite Ultima 32000Z/32000 can image two 8-page or smaller plates simultaneously and achieves unprecedented productivity.

Not only is the PlateRite Ultima 32000Z/32000 the most advanced and flexible CTP recorder available for large-format and multi-format plate production, it also utilizes the most advanced imaging technology offered today. An amazing breakthrough in platesetting technology, the PlateRite Ultima 32000Z/32000 is poised to redefine the large-format CTP market.

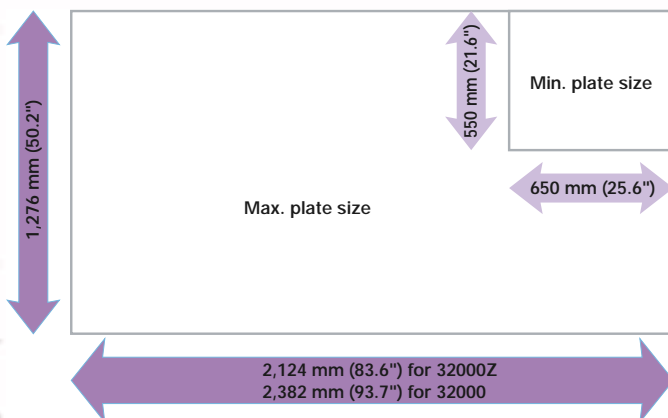


## Ultra high quality and fast imaging

For 4-page to 32-page plates

### Large, multi-format output – from 4-page to 32-page

The PlateRite Ultima 32000 can output large-format plates up to 2,382 x 1,262 mm (93.7" x 49.6") in size. Max plate size of The PlateRite Ultima 32000Z is smaller by 258 mm (10.1") in width. The PlateRite Ultima 32000Z/32000 can also output plates as small as 650 x 550 mm (25.6" x 21.6") as standard spec and can expose even smaller plates as optional. The PlateRite Ultima 32000Z/32000 is in a class of its own – a true multi-format platesetter.



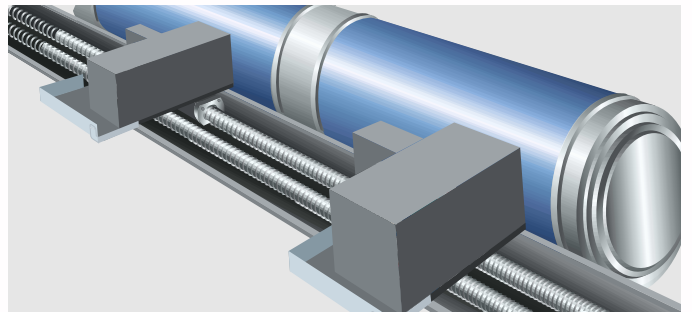
### Advanced 512-channel imaging head

Screen has used GLV™ technology to develop a revolutionary multi-channel imaging head that enables remarkably high-speed and high-quality exposure. This cutting-edge imaging head features 512 individual laser beams that expose plates in wide swathes, enabling the PlateRite Ultima 32000Z/32000 to deliver unbeatable throughput without sacrificing quality.

### High Productivity with innovative dual plate loading

The PlateRite Ultima 32000Z/32000 features a unique method of loading 2 B1 plus size (1160 x 1276mm) or smaller plates simultaneously. This feature enables exceptionally high productivity on both the single head and dual head models. PlateRite Ultima 32000 exposes 2 plates with the single head in one path, whereas PlateRite Ultima 32000Z exposes 2 plates simultaneously with the dual heads.

The ability to feed single plates or 2 plates simultaneously with a wide range of plate sizes makes the plateRite Ultima the fastest and most flexible large format platesetter available on the market today.



### Optional automatic inline punch

The PlateRite Ultima 32000Z/32000 features an automatic inline punching system that helps enable perfect register on press. The plates are punched immediately before being mounted on the drum, which provides much greater registration accuracy than either manual or off-line punching. Up to ten punch blocks can be mounted and selected according to plate size and press type.

# Cutting-edge media handling

Increased efficiency with hands-off, automated operation

## Automated plate loading

A variety of proven and reliable plate loading technologies are available for the PlateRite Ultima 32000Z/32000. Options include the SA-L single cassette autoloader, the MA-L multi-cassette autoloader, and the plate set table. The cassettes for the SA-L and MA-L hold up to 75 large\* plates, or up to 150 smaller\*\* plates for double plate exposure. The MA-L can be loaded with up to 4 cassettes, and both units remove interleaf paper automatically. The optional plate set loading table is part of a semi-automated system in which plates

placed on the table by the operator are transported to the platesetter automatically. A conveyor is also available to transport plates directly to the plate processor. This conveyor features an L-shape design that allows 16- and 32-page plates to be processed using the same 1,300 mm width format processors that are currently used with 8-page PlateRite models.

\*Plates larger than 1,160 x 1,276 mm (45.6" x 49.6") with 0.3 mm (.8 mil) thickness

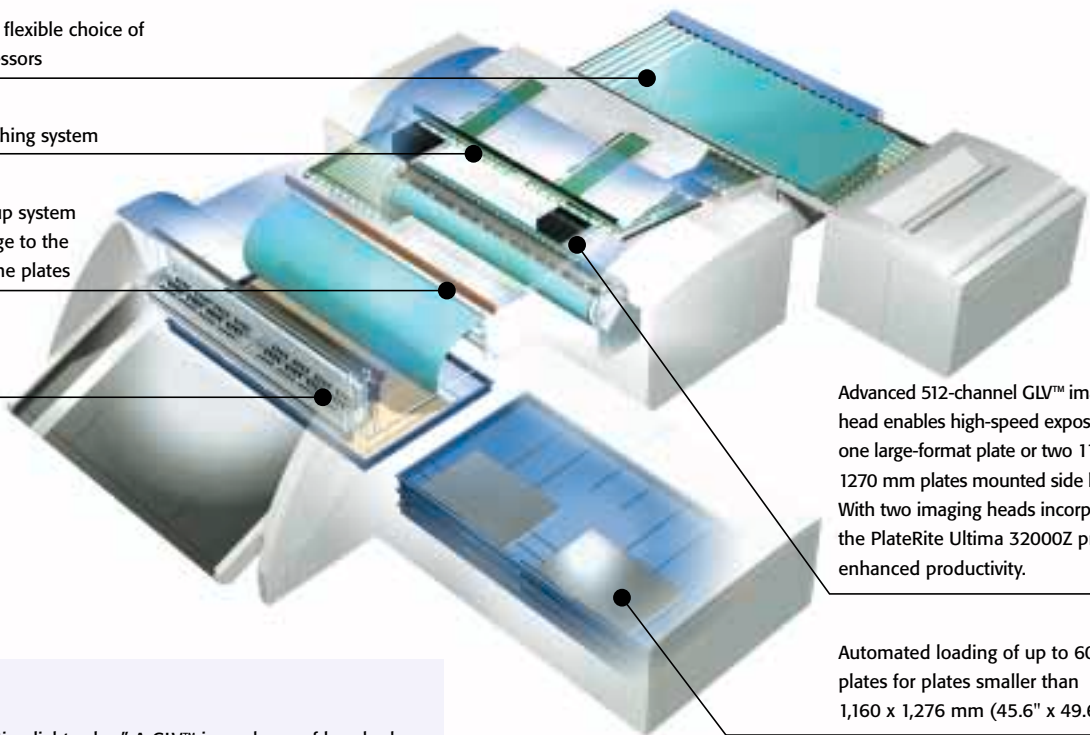
\*\*1,160 x 1,276 mm (45.6" x 49.6") plates with 0.3 mm (.8 mil) thickness

Processor bridge supports a flexible choice of automatic inline plate processors

Automatic inline press punching system

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

Automatic plate/interleaf detection



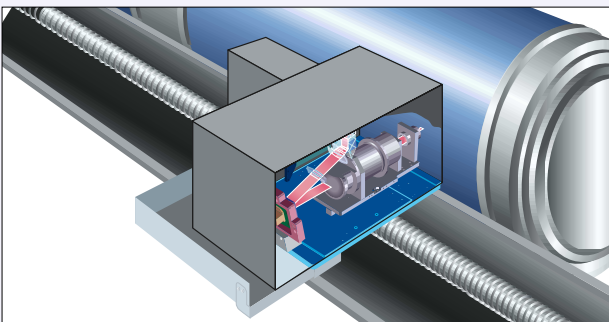
Advanced 512-channel GLV™ imaging head enables high-speed exposure of one large-format plate or two 1160 x 1270 mm plates mounted side by side. With two imaging heads incorporated, the PlateRite Ultima 32000Z provides enhanced productivity.

Automated loading of up to 600 plates for plates smaller than 1,160 x 1,276 mm (45.6" x 49.6")

### What's GLV™?

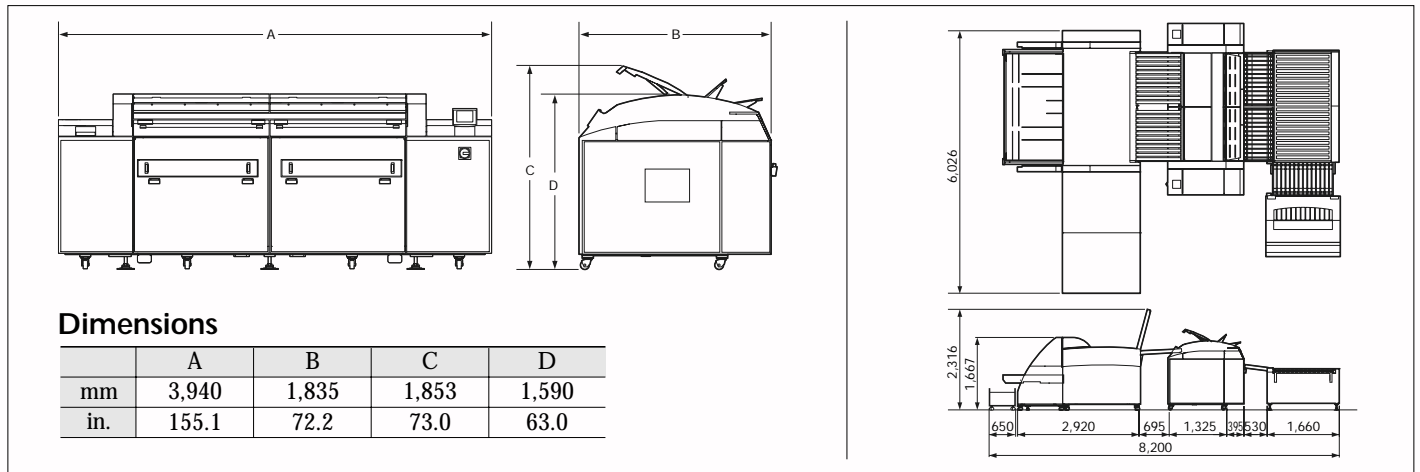
GLV™ stands for "grating light valve." A GLV™ is made up of hundreds of microscopic reflective ribbons placed over a silicon chip. These ribbons can be moved up or down to either reflect or diffract the imaging laser that falls upon the row of ribbons.

Screen has developed a revolutionary 512-channel imaging head using the GLV™ technology. The imaging width of this head broadens the area that can be imaged with a single turn of the platesetter drum, so even large-format plates are imaged quickly and efficiently.



Semi-automated plate loading is available with the plate set table.

## Space requirements



### Dimensions

	A	B	C	D
mm	3,940	1,835	1,853	1,590
in.	155.1	72.2	73.0	63.0

## PlateRite Ultima specifications

Product name	PlateRite Ultima 32000Z	PlateRite Ultima 32000
Recording system	External drum	
Light source	Infrared laser diodes	
Light system	The PlateRite 32000Z has twin imaging heads that feature advanced GLV technology.	The PlateRite 32000 has a single imaging head that features advanced GLV technology.
Plate size*1	Maximum 2,124 x 1,276 mm (83.6" x 50.2") Minimum 650 x 550 mm (25.6" x 21.6")	Maximum 2,382 x 1,276 mm (93.7" x 50.2") Minimum 650 x 550 mm (25.6" x 21.6")
Dual plate loading	Dual plate loading is possible with plate sizes up to 1,160 x 1,276 mm (45.6" x 49.6")	
Exposure size	Maximum 2,124 x 1,262 mm (83.6" x 49.6") (8-mm leading edge and 6-mm trailing edge clamps)	Maximum 2,382 x 1,262 mm (93.7" x 49.6") (8-mm leading edge and 6-mm trailing edge clamps)
Media	Thermal (infrared sensitive plates)	
Media thickness	0.2 mm to 0.4 mm (7.8 mil to 15.7 mil)	
Resolution	1,200 / 2,400 / 2,438 / 2,540 dpi	
Repeatability	±5 microns*2	
Productivity*3	18 plates/hr: 2,032 x 1,270 mm (80" x 50")*4 24 plates/hr: 1,524 x 1,143 mm (60" x 45")*4 46 plates/hr: 1,030 x 800 mm (40.5" x 31.5")*5	14 plates/hr: 2,032 x 1,270 mm (80" x 50") 17 plates/hr: 1,524 x 1,143 mm (60" x 45") 30 plates/hr: 1,030 x 800 mm (40.5" x 31.5")*6
Interface	Fast PIF	
Plate transport	Automated with optional multi- or single cassette autoloaders / Semi-automated with optional plate set table	
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, Stoessor, and others	
Weight	2,880 kg (6,349 lb.)	2,750 kg (6,062 lb.)
Environment	23°C ±2°C (73.4°F ±3.6°F), 40% to 70% relative humidity (non-condensing)	
Power requirements	Main unit: Single phase 200V to 240V (+6% to -10%), 25A, 3.7 kW*7 Cooler: Single phase 200V to 240V, 4A (2 sources) Blower: Single phase 200V to 240V (+6% to -10%), 11A, 1.3 kW	Main unit: Single phase 200V to 240V (+6% to -10%), 25A, 3.7 kW*7 Cooler: Single phase 200V to 240V, 4A (1 source) Blower: Single phase 200V to 240V (+6% to -10%), 11A, 1.3 kW

\*1 The smaller size plate option can support smaller plates down to 450 x 370 mm (17.7" x 14.5").

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

\*3 The productivities are based upon 2,400dpi. The exposure speed may vary depending on the sensitivity of the media.

\*4 This productivity is based on the dual head exposure mode. The dual head exposure requires image gap in the middle of the plate.

\*5 This productivity is based on the dual head and dual plate side-by-side exposure.

\*6 This productivity is based on the dual plate side-by-side exposure.

\*7 Includes power requirements of SA-L, MA-L, & AT-M.

• *Grating Light Valve™ and GLV™ are trademarks of Silicon Light Machines.*  
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