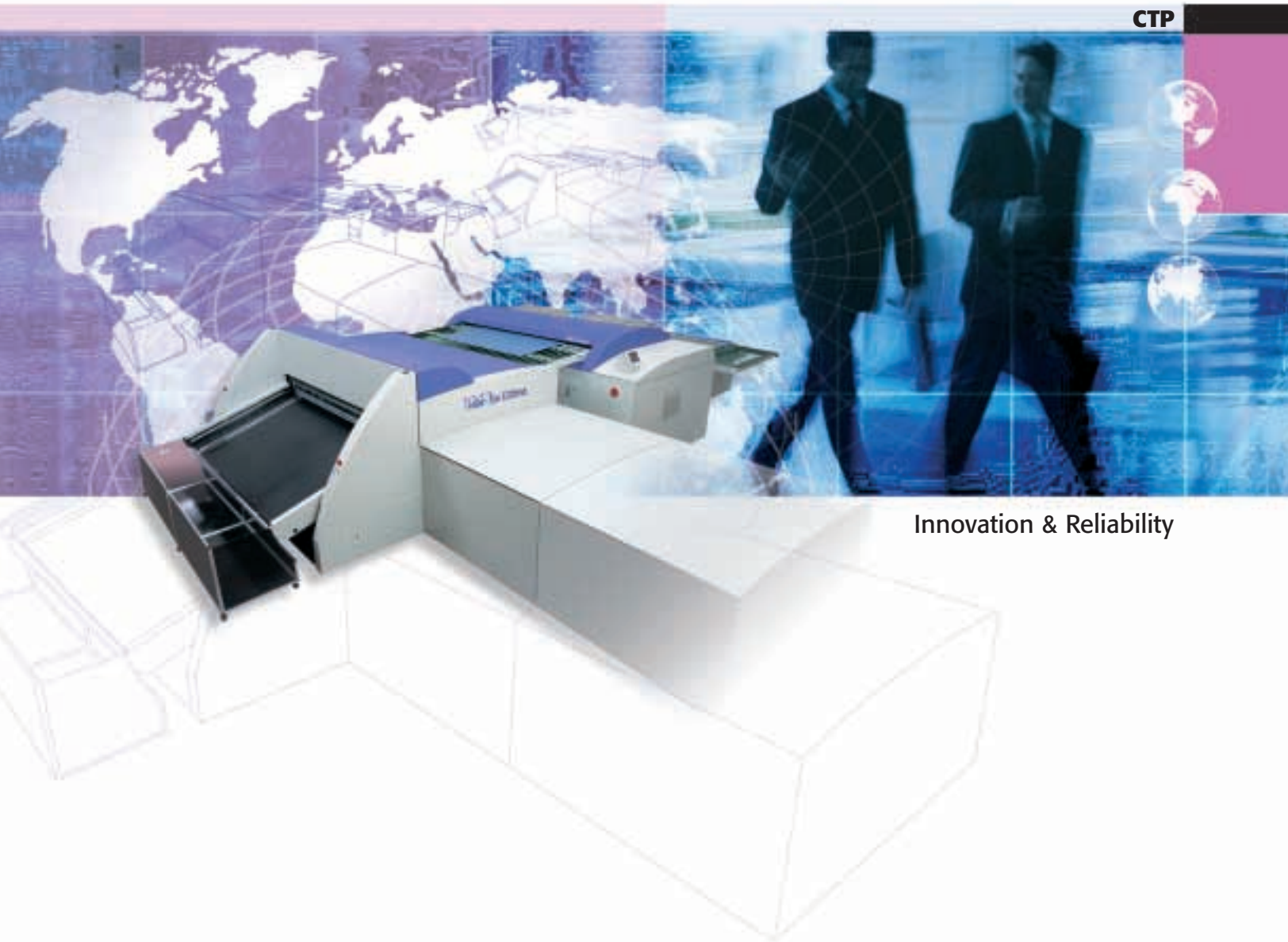
SCREEN
MEDIA TECHNOLOGY

PlateRite Ultima

Thermal Plate Recorder

CTP

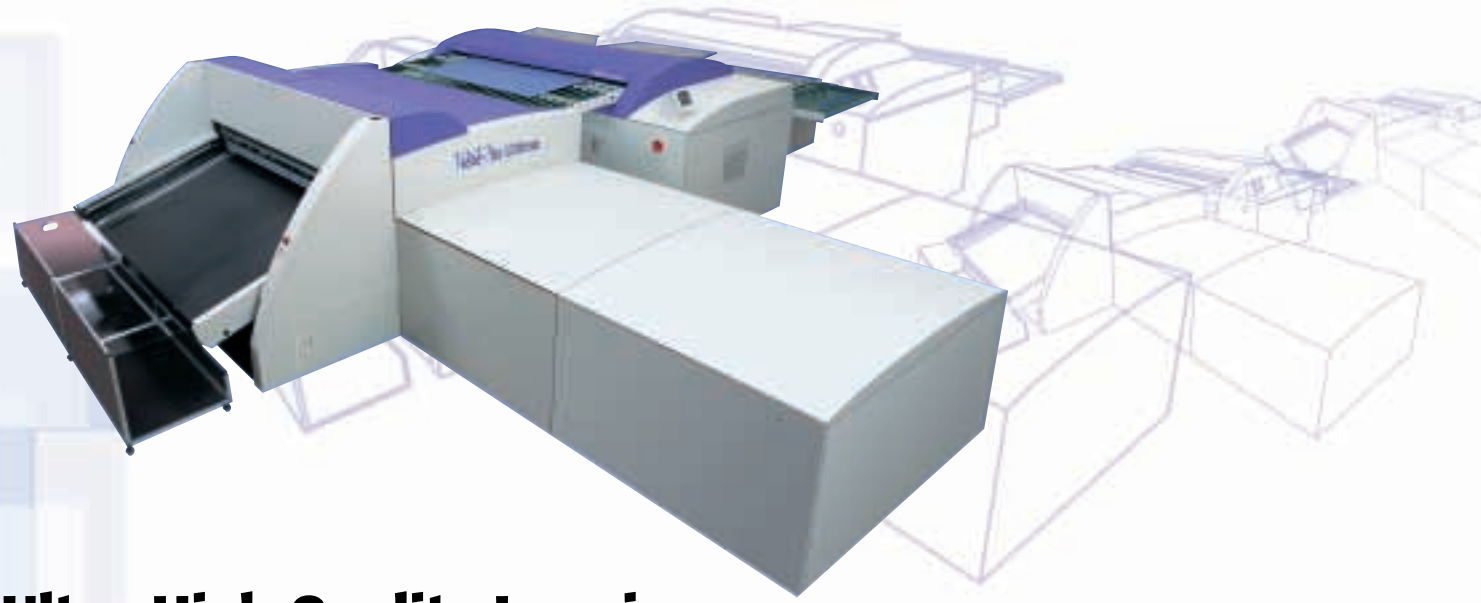


Innovation & Reliability

Large, multi-format platesetter with speed and quality like never before

DAINIPPON SCREEN'S PLATERITE ULTIMA IS A LARGE, MULTI-FORMAT THERMAL PLATESETTER THAT CAN OUTPUT THE LARGEST 32-PAGE PLATES AND EVERY OTHER PLATE SIZE DOWN TO 4-PAGE FORMAT. AND WITH ITS ADVANCED 512-CHANNEL IMAGING HEAD BASED UPON GLV™ (GRATING LIGHT VALVE™) TECHNOLOGY, IT OUTPUTS ALL THESE PLATES WITH A SPEED AND QUALITY THAT WILL AMAZE YOU. THE PLATERITE ULTIMA'S IMAGING HEAD IS SO ADVANCED THAT IT CAN ALSO EXPOSE TWO 8-PAGE FORMAT PLATES (OR SMALLER) MOUNTED SIDE BY SIDE ON THE EXPOSURE DRUM.

NOT ONLY IS THE PLATERITE ULTIMA THE MOST ADVANCED AND FLEXIBLE CTP RECORDER FOR LARGE-FORMAT AND MULTI-FORMAT PLATE PRODUCTION, BUT IT ALSO UTILIZES THE MOST ADVANCED IMAGING TECHNOLOGY AVAILABLE TODAY. IT IS AN AMAZING BREAKTHROUGH IN PLATESETTING TECHNOLOGY AND IS POISED TO REDEFINE THE LARGE-FORMAT CTP MARKET.



Ultra-High Quality Imaging

For 4-page to 32-page plates

LARGE, MULTI-FORMAT OUTPUT—FROM 4-PAGE TO 32-PAGE

The PlateRite Ultima can output large-format up to 2,382 x 1,276 mm (93.7" x 50.2") in size. It can also output as small as 650 x 550 mm (25.6" x 21.6"). The PlateRite Ultima 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 new imaging head that provides 512 channels of imaging laser for high-speed exposure capability. These channels provide 512 individual laser beams that expose plates in wide swaths, enabling the PlateRite Ultima to deliver unbeatable throughput.

CAN EXPOSE TWO 8-PAGE PLATES SIDE BY SIDE

The PlateRite Ultima excels as one of the industry's most advanced high-quality large-format platesetters. But it does a lot more than that. With 512 channels of imaging laser available, the PlateRite Ultima can expose two 8-page plates (or smaller) side by side. So not only do you get ultra-high quality imaged plates, you get them with amazing speed and productivity.

AUTOMATIC INLINE PUNCH

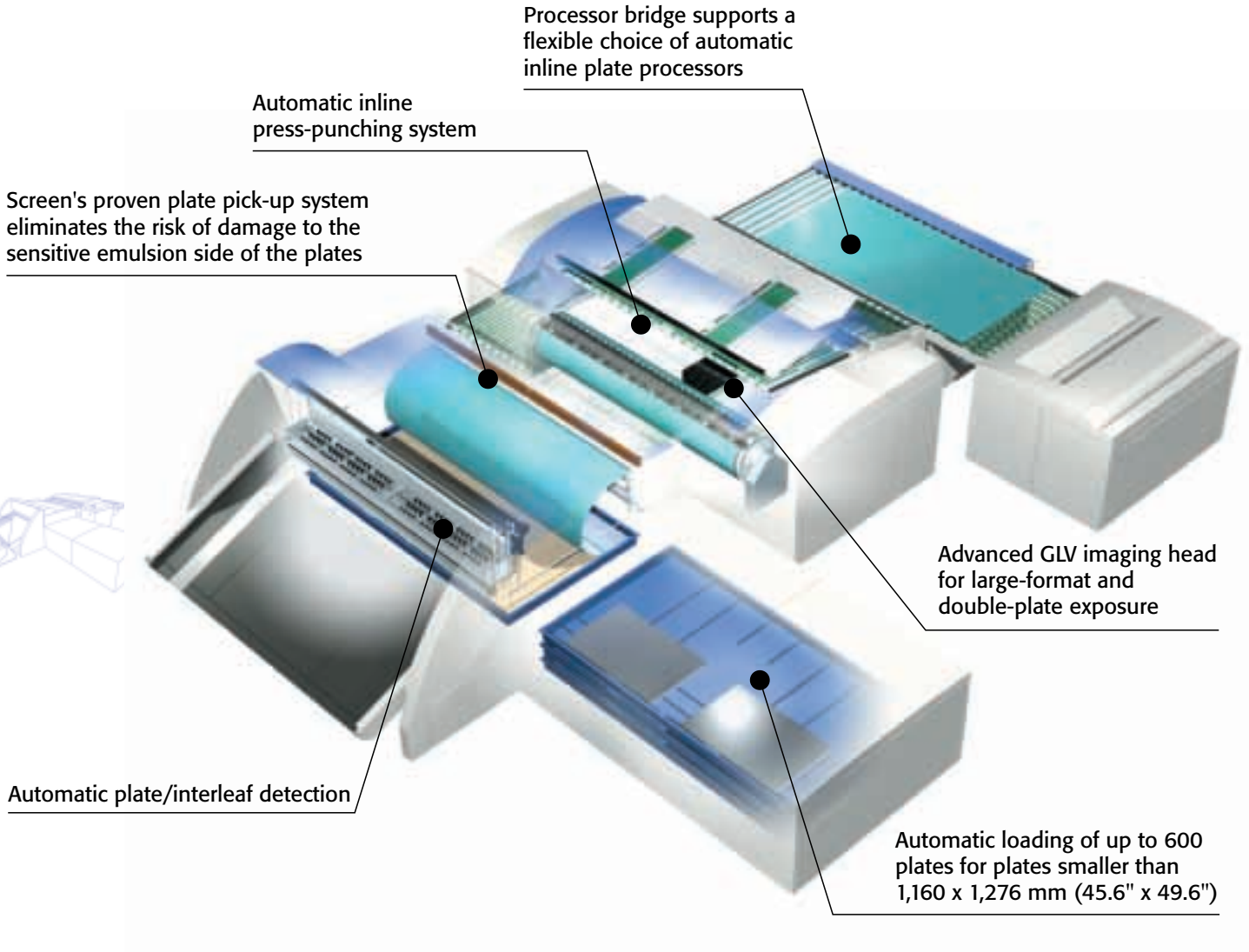
The PlateRite Ultima also features the same automatic inline punching system as that used in other PlateRite models, helping to enable perfect register on press for all its plates. Plates are punched immediately before being mounted on the drum. This method gives much greater registration accuracy compared with either manual or off-line punching, eliminates human error, and achieves faster press makeready. Up to ten punch blocks can be mounted and selected according to plate size and press type.

AUTOMATIC PLATE-LOADING

Screen's proven and reliable plate-loading technologies are available for the PlateRite Ultima with multi-cassette autoloader. The multi-cassette autoloader hold four cassettes of up to 75 large size* plates. Or, for double-plate exposure, up to 150 plates of 8-page or smaller sized plates for an amazing maximum of 600 plates**. A conveyor is also available to transport plates directly to the plate processor. It features an L-shape design that allows 16- and 32-page plates to be processed in the same 1,300 mm width format processors 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 (11.8 mil) thickness

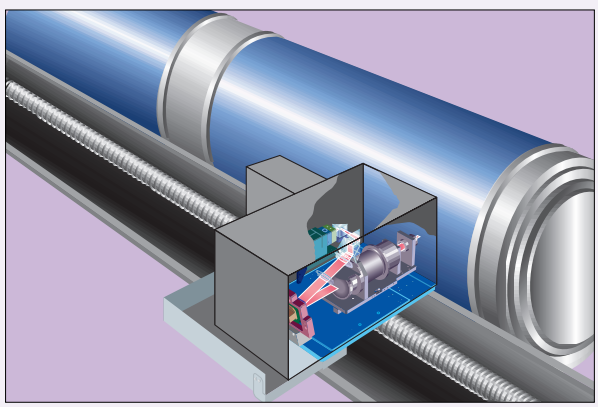
** 1,160 x 1,276 mm (45.6" x 49.6") plates with 0.3 mm (11.8 mil) thickness



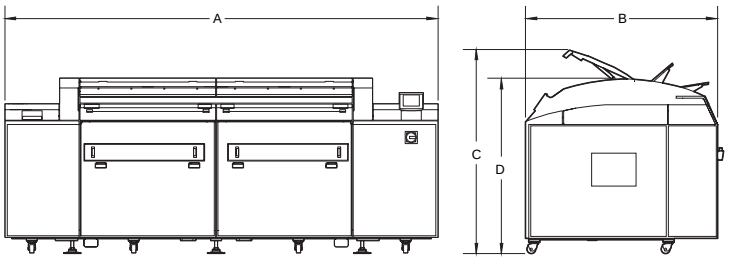
What's GLV?

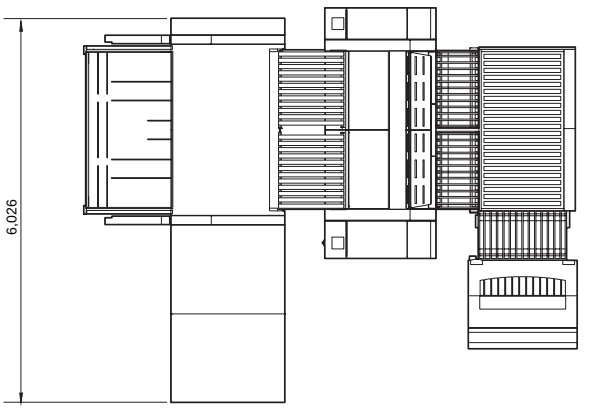
GLV stands for "grating light valve." A GLV is made up of hundreds of microscopic reflective ribbons placed over a silicon chip. These ribbons can be moved up or down to either reflect or diffract the imaging laser falling upon the row of ribbons.

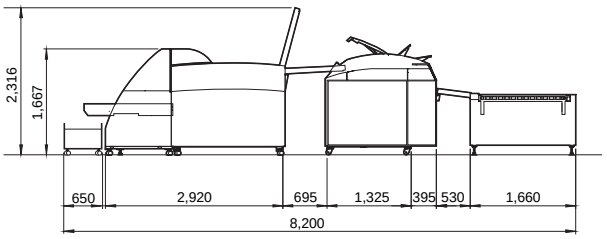
With this GLV technology, Screen has been able to develop a revolutionary 512-channel imaging head. The imaging width of this head broadens the area that can be imaged with a single turn of the platesetter drum, so even large-format plates can be imaged with speed and efficiency.



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

Specifications

Model	PT-R32000
Recording system	External drum
Light source	Infrared laser diodes
Light system	Multi-channel thermal imaging head (with GLV™ technology)
Plate size	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 possible with plate sizes up to 1,160 x 1,276 mm (45.6" x 49.6").
Exposure size	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)
Resolutions	1,200/2,400/2,438/2,540 dpi
Repeatability	±5 microns*
Productivity	12 plates/hr for 80" width plates, 15 plates/hr for 60" width plates (at 2,400dpi)**
Interface	Fast PIF
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, Stoessor, and others
Weight	Main body: 2,850 kg (6,283 lb.), multi-cassette autoloader: 2,800 kg (6,173 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 240V (+6% to -10%), 25A, 3.7kW***

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

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

*** Also covers power requirements of SA-L, MA-L, & AT-M.

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