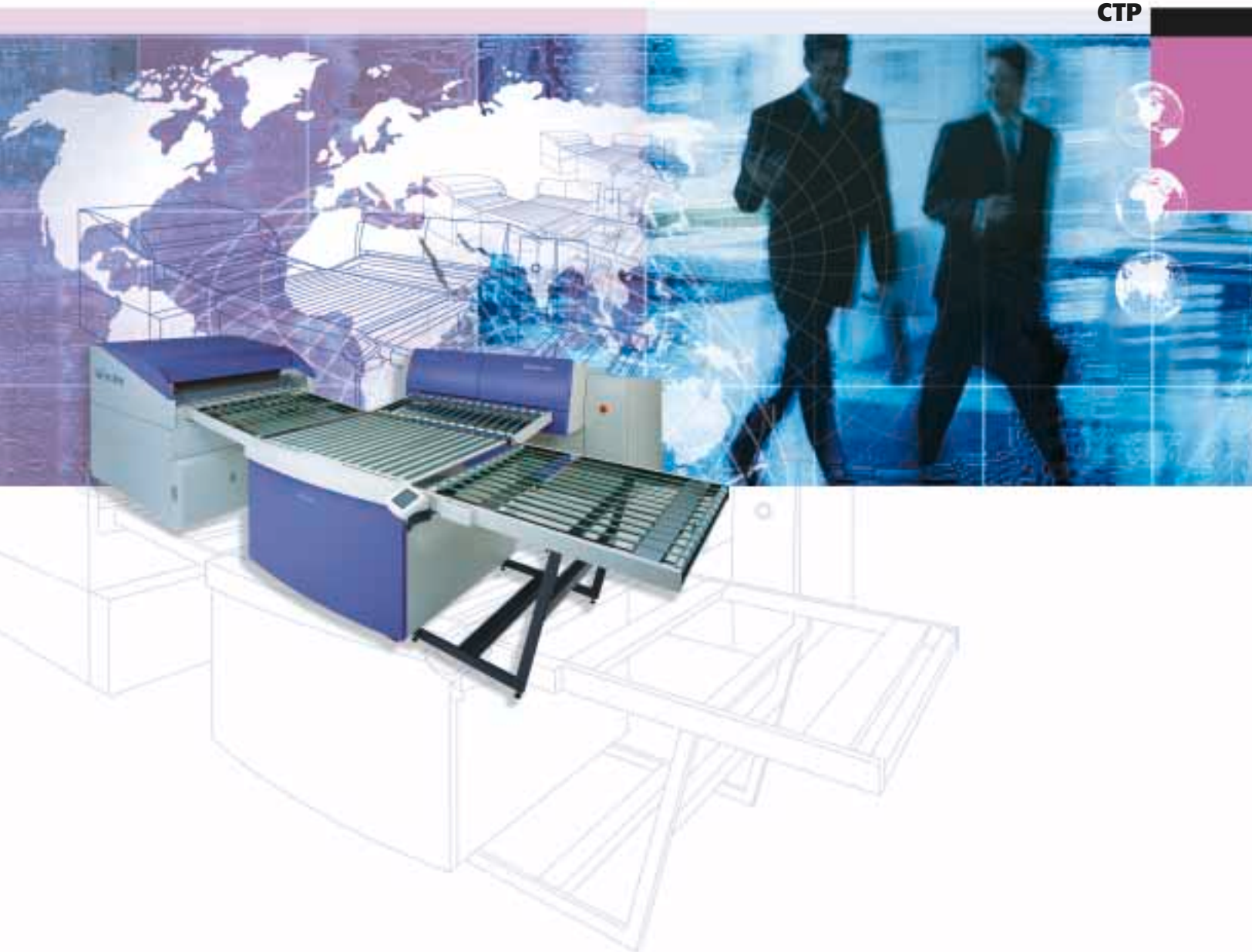


PlateRite Ultima 16000

GLV™ Thermal Plate Recorder

CTP



Unprecedented speed and quality in a large, multi-format platesetter

Dainippon Screen's PlateRite Ultima is a large, multi-format thermal platesetter that can output 16-page plates, as well as every other plate size down to 4-page format. Thanks to its advanced 512-channel imaging head, which uses GLV™ (grating light valve™) technology, it outputs all these plates at a speed and quality that is sure to amaze you and your customers.



Ultra high quality and fast imaging

For 4-page to 16-page plates

Large, multi-format output—from 4-page to 16-page

The PlateRite Ultima can output large-format plates up to 1,470 x 1,165 mm (57.9"x 45.9") in size. It can also output plates 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 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 to deliver unbeatable throughput without sacrificing quality.

High speed imaging

plateRite Ultima can output 23 plate (1,448 x 1,143 mm) per hour at 2,400 dpi, making it the worlds fastest platesetter in its class.

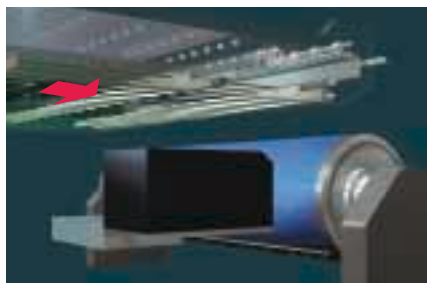
Automatic inline punching

With inline punching, plates are punched immediately before being mounted on the drum. Inline punching provides greater registration accuracy than either manual or off-line punching. It also helps eliminate human error and supports faster press make-ready. Up to ten punch blocks can be mounted in the platesetter and then selected during output according to the plate size and press type required for the job.

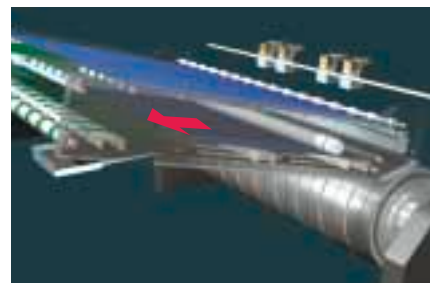
Reliable automatic plate loading

Automation is a key element in the handling of large format plates. Screen's renowned and reliable plate handling systems are integrated into the design of the PlateRite Ultima 16000, and a range of scalable automation solutions are available. No contact is made with the sensitive emulsion side of the plate at any stage during transport, eliminating the risk of damage to the plate. the optional automatic plate loaders are available in two types, namely two cassette type and four cassette types. Each cassette can hold 100 sheets of 16 page 0.3mm (11.8 mil) plate. So maximum number of plate can be held is 400. Interleaf paper is removed automatically before plate are loaded.

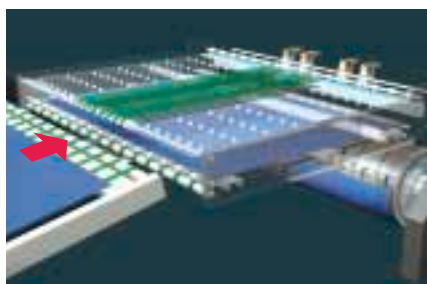
Cutting-edge media handling



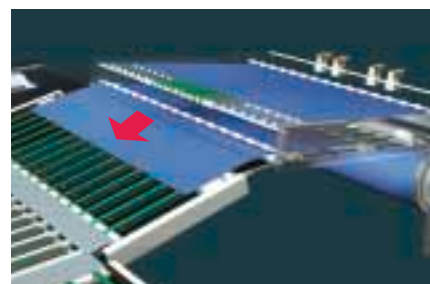
1 While the current plate is being exposed, the plate scheduled to be exposed next is punched and then moved to the standby cassette's upper tray.



2 The plate that was just exposed is transferred to the standby cassette's lower tray.



3 The plate that was in the standby cassette's upper tray is wrapped around the drum, and the next plate is transferred to the standby cassette's upper tray.



4 While the plate is being exposed, the plate scheduled to be exposed next is punched and then moved to the standby cassette's upper tray. The plate that was just exposed is transferred from the standby cassette's lower tray to the automatic inline developer.

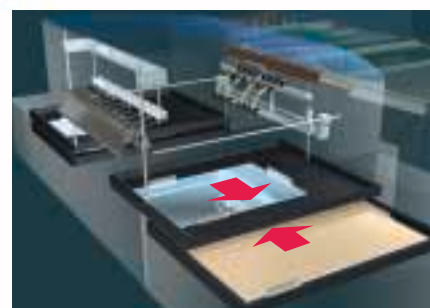
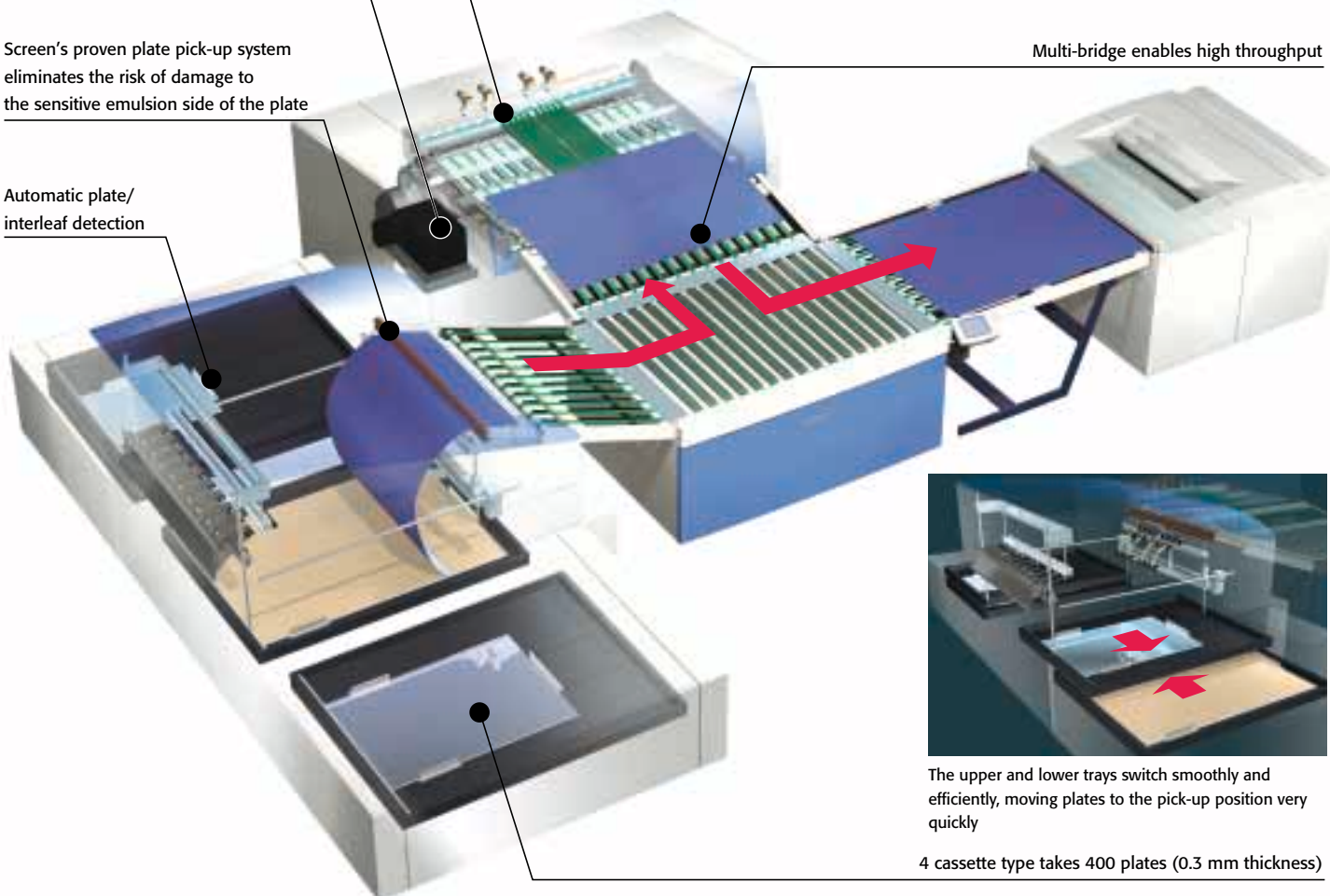
Automatic inline press punching system

Advanced GLV™ imaging head for large-format imaging

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

Automatic plate/interleaf detection

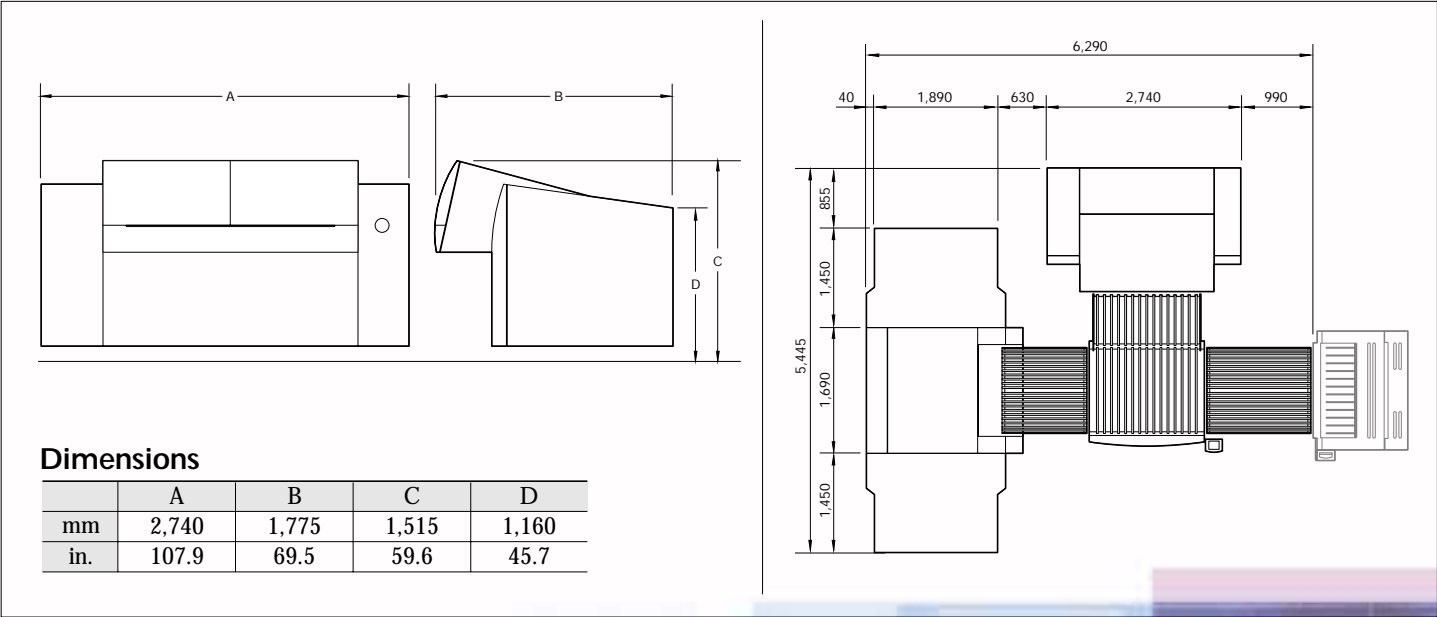
Multi-bridge enables high throughput



The upper and lower trays switch smoothly and efficiently, moving plates to the pick-up position very quickly

4 cassette type takes 400 plates (0.3 mm thickness)

Space requirements



PlateRite Ultima 16000 specifications

Recording system	External drum
Light source	Infrared laser diodes
Light system	Multi-channel thermal imaging head (with GLV™ technology)
Plate size	Maximum 1,470 x 1,165 mm (57.9" x 45.9") Minimum 650 x 550 mm (25.6" x 21.6")
Exposure size	Maximum 1,470 x 1,154 mm (57.9" x 45.5") (6-mm leading edge and 5-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	1200/2400/2438/2540 dpi
Repeatability	±5 microns*
Productivity	MAX. 23 plates/hr at 2,400dpi (1,448 x 1,143 mm/57" x 45" plates)**
Interface	Fast PIF
Plate transport	Automated with optional multi cassette autoloaders Semi-automated with optional plate set conveyer
Punch systems (optional)	SCREEN, Heidelberg, Protocol, Komori, Stoessor, and others
Weight	Main body: 1,640 kg (3,608 lb.); 2 cassette : 1,005 kg (2,211 lb.) / 4 cassette : 1,395 kg (3,069 lb.)
Environment	23°C ±2°C (73.4°F ±3.6°F), 50% to 70% relative humidity (non-condensing)
Power requirements	Main body : Single phase 200V to 240V (+6% to -10%), Max 25A, Max 5.0kW*** Blower : Single phase 200V to 230V 10A, 1.2kW

* 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.
*** Includes power requirements of chiller, MA-L, & AT-M.

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