

**iCtP™**

## PlateWriter™ Series

- the next generation iCtP™



- Affordable, easy-to-use inkjet CtP system
- Environmentally friendly, no processing chemicals
- Reduces plate production costs

**GLUNZ & JENSEN** 

PLATESETTING • ICTP



## A breakthrough in offset printing for small printers

The industry's first affordable Computer-to-Plate system capable of producing press-ready aluminium plates, without chemical processing. The PlateWriter™ Series boasts innovative technology and sets new standards for the cost, flexibility and speed of plate making for small to medium format commercial printers.

### Imaging Engine

The PlateWriter™ Series uses an advanced, high definition inkjet imaging engine, fitted with plate detection and multiple optical registration sensors, ensuring high quality plate production coupled with repeatable and accurate registration of plates.

### Finishing Unit

Imaged plates must be fed through this unit, located below the imaging engine. It finishes the plates by drying and bonding the liquid dots to the plate surface. The finishing unit includes an automated, built-in gumming station to apply a protective gum layer.

### Liquid Dot™

The patented Glunz & Jensen imaging solution is called Liquid Dot™. This formulation is jetted onto the plate surfaces in the same manner that ink is jetted onto paper in a traditional inkjet printer. Liquid Dot™ is supplied in 110 ml cartridges.

### Software and Proofing Support

Glunz & Jensen PlateWriters™ are powered by Harlequin RIP technology to ensure industry standard compatibility. The Xitron RIP is a Harlequin-based RIP which has become an industry standard due to its ease of use and integration with other workflows.

All PlateWriters™ have the added advantage of also supporting the 4800/4880 and 7800/7880 proofing solutions from Epson.

### Plates

The PlateWriter™ uses grained, anodized and non-photosensitive aluminium i-Plates™. Glunz & Jensen's certified plates are available through approved resellers.



### Everything Included

When you buy a PlateWriter™, everything you need to start making plates is included. Right from the imaging engine to the finishing unit and automated gumming station, through to the Harlequin RIP supplied on its own powerful hardware platform - without extra cost or space requirements. There is no need for a processor, oven, rinse unit or conveyors. The PlateWriter's™ aluminium plates are process-free and a box of them for your press, is all you need to get started.



### Easy to Use

The PlateWriter™ is so easy to use and maintain. There is no need for skilled operators or special conditions, as the plates are neither thermal nor light sensitive. The PlateWriter™ can be placed in your regular office environment and includes everything you need to get started. Plug in your computer and start printing plates today!



### Environmentally Speaking

The PlateWriter™ eliminates all chemicals and processing by harnessing the latest inkjet technology to "add" the image onto a blank plate – in contrast to traditional laser-based CtP systems which expose an image onto pre-sensitized plates and then remove the unwanted non-imaged areas with processors and chemistry. The additive approach of the the PlateWriter™, with no processing chemistry and no waste, enables you to create the "greenest" plates on the market.

# CHOOSE THE SYSTEM THAT FITS YOUR NEEDS



### PlateWriter™ 2400

If you require a platemaker that can handle ALL 2-up formats and a few 4-up formats, this is the machine for you. Or if you are looking for greater productivity from imaging 2-up plates landscape, then the PlateWriter™ 2400 provides an affordable and easy-to-use solution for your plate making needs.

Formats	All 1 and 2-up, limited 4-up
Max plate size	619 x 785 mm (24.4 x 30.9")
Plate thickness	0.15, 0.20 and 0.30 mm
Run length	35,000 - 50,000 impressions
Footprint	1942 x 1178 mm



## Glunz & Jensen, the company

Glunz & Jensen is dedicated to creating and delivering proprietary products with superior lifetime cost of ownership to the printing and pre-press industries.

The Glunz & Jensen innovation team that developed the industry's leading film and CtP plate processors now provides a groundbreaking new solution: iCtP™ – Computer to Plate, based on inkjet technology.

The PlateWriter™ series of platesetters and the range of accompanying iPlates™ bring many of the advantages of CtP to printers using increased plate production and improved press room operation.

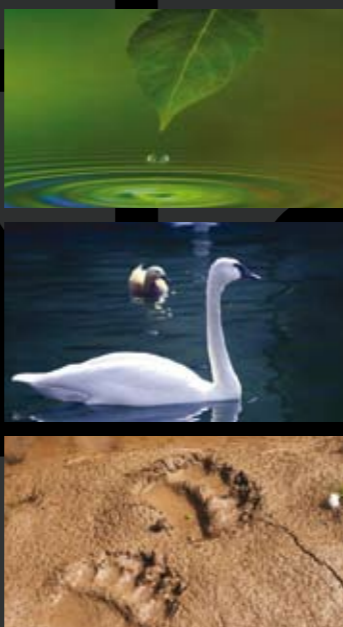


## Caring for our environment

Caring for the environment is an ever increasing concern for today's printer. The Glunz & Jensen iCtP™ system uses a unique additive plate making solution to address this issue, making it totally free of processing as well as eliminating the associated chemical disposal costs.

Both the imaging system, PlateWriter™ and the iPlates™ operate in daylight conditions, requiring no special handling. The system is easy to use, offers higher quality printing at lower costs and provides maximum efficiency by eliminating many of the steps and variables involved in preparing off/set plates.

With well over 100,000 film and computer-to-plate processor systems installed throughout the world, Glunz & Jensen is renowned for its superiorly-built quality and reliability. Now this industry-leading expertise is available in the shape of revolutionary low cost CtP solutions.



## Reduce Costs

The simple, no fuss approach to imaging directly onto plates, makes the PlateWriter™ an inexpensive alternative to film and conventional processors. The software included with the PlateWriter™ quickly and efficiently reads your files for print - so you get the most out of your time and your plates. The BEST news is that everything is included, so you can get started at a very affordable price.



## Everything Included

When you buy a PlateWriter™, everything you need to start making plates is included - everything from the imaging engine and finishing unit with automated gumming station to the Harlequin RIP with its own powerful hardware platform - without extra cost or space requirements. There is no need for a processor, oven, rinse unit or conveyors. All you need to get started is a box of the PlateWriter's™ process-free aluminium plates, sized to fit your press.



## Easy to Use

The PlateWriter™ is so easy to use and maintain. There is no need for skilled operators or special conditions, as the plates are neither thermal nor light sensitive. The PlateWriter™ can be placed in your regular office environment and includes everything you need to get started. Plug in your computer and start printing plates today!



## Environmentally Speaking

The PlateWriter™ eliminates all chemicals and processing by harnessing the latest inkjet technology to "add" the image onto a blank plate - in contrast to traditional laser-based CtP systems which expose an image onto pre-sensitized plates and then remove the unwanted non-imaged areas with processors and chemistry. The additive approach of the the PlateWriter™, with no processing chemistry and no waste, enables you to create one of the "greenest" plates on the market.

# CHOOSE THE SYSTEM THAT FITS YOUR NEEDS

## PlateWriter™ 2000

The perfect low cost metal plate making solution for all commercial, quick and in-plant printers wanting to produce plates for all 2 up-presses, including Ryobi 320x, 330x, Hamada's and all Heidelberg 2-up presses such as the QM46 or the GTO52.

Formats	All 1 and 2-up
Max plate size	459 x 610 mm (17.0 x 24.0")
Plate thickness	0.15 and 0.20 mm
Run length	35,000 - 50,000 impressions
Footprint	1942 x 884 mm



## PlateWriter™ 2400

If you require a platemaker that can handle ALL 2-up formats and a few 4-up formats, this is the machine for you. Or if you are looking for greater productivity from imaging 2-up plates landscape, then the PlateWriter™ 2400 provides an affordable and easy-to-use solution for your plate making needs.

Formats	All 1 and 2-up, limited 4-up
Max plate size	619 x 785 mm (24.4 x 30.9")
Plate thickness	0.15, 0.20 and 0.30 mm
Run length	35,000 - 50,000 impressions
Footprint	1942 x 1178 mm



PlateWriter Series

## Easy to Use

The PlateWriter™ Series provides clean, accurate digital plates, direct from your desktop.

### Powered by Harlequin RIP technology

Print jobs direct from your application on a Mac or PC – like you would with a normal desktop printer. Or you can use hot folders on your computer or a network to drag and drop Postscript, EPS, Acrobat PDF, JPEG or TIFF files.

Jobs can be delivered in a pre-separated format or the RIP can be set to separate jobs as they arrive, making it compatible with virtually any application or platform. The user can then preview the jobs and select which should be imaged to plate.



### Reduce costs

The simple, no-fuss approach to imaging directly onto plates, makes the PlateWriter™ Series easy to use, environmentally friendly, and the lack of film in the platemaking process provides for a number of cost advantages as there is no need for a film processor and its associated chemistry and there is no requirement for the manual planning of films prior to platemaking. And ultimately, digitally colour separated plates are so accurate that make-ready times are significantly reduced.

### Simple and clean operation

Once a job is released from the RIP workstation, the PlateWriter™ uses high definition inkjet technology to jet a patented Liquid Dot™ chemical solution onto non-photosensitive aluminium printing plates. There is no light or thermally sensitive coatings associated with conventional CtP, so there is no coating to remove thus no processor and no need for processing chemistry.



### Great results in broad daylight

By using conventionally grained aluminium plates without thermal or light sensitive coatings, the PlateWriter™ Series can be used in full daylight conditions. No special precautions are required! You simply place a plate onto the alignment table and the PlateWriter™ loads the plate automatically. Optical sensors detect the lead edge of the plate and check for skew, thus ensuring the register of your plate.

### Versatile platemaking for 2-up or 4-up presses

The PlateWriter™ 2000 and 2400 are designed for the 2-up press format. In fact, the PlateWriter™ 2000 can make plates for any and all presses up to a plate size of 459 x 610 mm (18 x 24"), while the PlateWriter™ 2400 has a maximum plate size of 619 x 785 mm (24½ x 31"). Plate sizes can be changed without any changes to settings, giving true flexibility in multi-format print shops. In addition, the optical registration systems it employs, makes it capable of delivering metal plates suitable for single, spot, or full colour work.

# Technology designed to support you

# MORE THAN EVER

## Additive platemaking removes the need for chemistry or plate processors

Conventional plate making is a subtractive process. A conventional printing plate has a coating, which is sensitive to exposure to UV light or from thermal or visible energy delivered by laser.

An image is exposed onto the plate's sensitized coating and then the plate is processed by chemistry that removes the unwanted areas, revealing the hydrophilic aluminium grain (non-imaged areas).

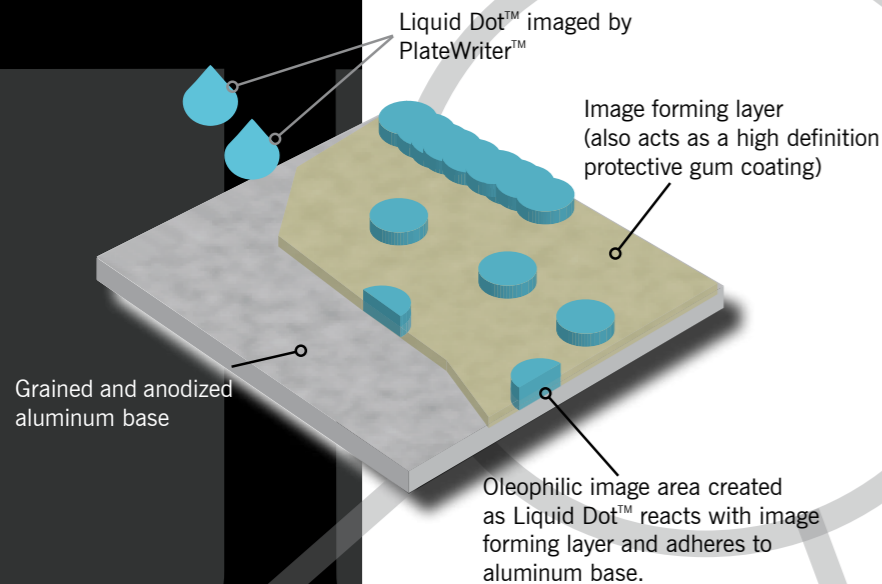
**Glunz & Jensen's additive approach**  
iCtP uses the same aluminium plate, but without the sensitized coating. Advanced inkjet technology jets a patented Liquid Dot™ formulation onto the plate to add the areas we want to be oleophilic on the printing press. The plate passes through the iCtP™ Finishing unit to bond the image on to the plate.

## iCtP™-Proof software – the intuitive and practical approach to progressive and process colour proofs

You decide to run cyan and yellow on the first pass through a two-colour press. iProof allows you to print a proof of the colours, resulting in less guess work and greater accuracy.

On the second pass through the press, magenta and black ink are added ...

Resulting in the final CMYK-colour piece (of which you also run a proof).



## The added advantage of sophisticated proofing support for Epson proofing printers

By integrating proofing support for Epson 4800/4880 and 7800/7880, Glunz & Jensen has made the PlateWriter™ Series ideal for small print shops and commercial printers.

Most digital proofing solutions provide a four colour composite proof. However, many print shops are producing four-colour process work on a two tower press, meaning that the sheet must run through the press twice.

The iCtP™ proofing solution provides a high quality composite proof and also a more practical 'progressive proof' in any combination of one, two, three or four colours for users of one or two tower presses. Furthermore, the same RIP controls your platemaker and the proofing printer – what you see on the proof is what you will get on the plate.

In addition, iCtP™ Proof allows users to produce plates for the PlateWriter™ while printing proofs using the Epson printer.

The multi-tasking functionality saves time and increases productivity.

For the ultimate in colour proofs and colour matching, the proofing can be upgraded with a 'Harlequin ColourPro' plug-in. It enables ICC profiling and delivers Harlequin's 'ProofReady' profiles, pre-built for Epson papers and inks. It is virtual 'Contract Ready' proofs for all your process colour jobs - right out of the box!



## Powerful options to enhance your PlateWriter™

### i-Position

Powerful and dynamic imposition solution with hot folder integration for building digital workflows with your iCtP™ RIP.

Designed for PDF and PS workflows, i-Position™ includes comprehensive imposing tools for iCtP™ users enabling automated booklet and magazine creation. i-Position™ will also step and repeat smaller jobs, allowing for maximum use of press sheets and reduced time on press.

i-Position™ delivers an imposition solution that is everything you need for all you can imagine.



### Trap PRO

Full feature automatic in-RIP trapping solution

Introduces areas of colour into colour separations to obscure potential register errors when printed. The errors are usually caused by paper shifts, paper stretching or an incorrectly aligned press. To compensate for this, traps must be added to the areas where gaps or overlays are most likely.

Traditionally, a skilled press operator would spread or choke the ink to make the gaps less noticeable. And the page designers would attempt to 'design out' any potential misregistration. Both methods require great skill and time to perfect.

TrapPro automates this process and provides a solution which removes the guess work, improving both the quality and consistency of printed output.



# MORE THAN EVER

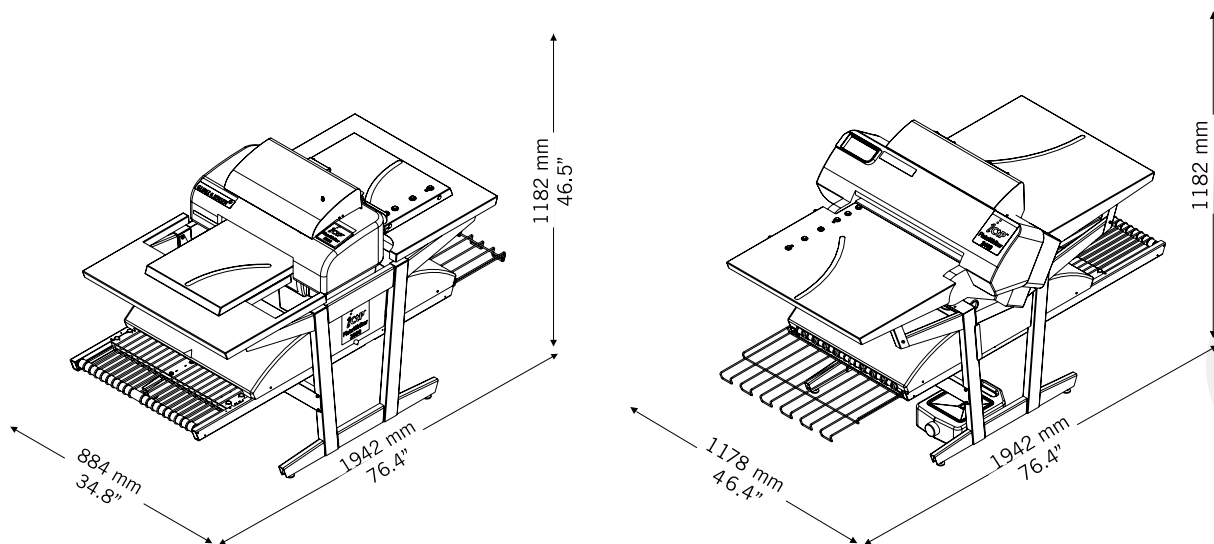
# PlateWriter™ Series

## Technical specifications



	PlateWriter™ 2000	PlateWriter™ 2400
Imaging device	1440 nozzle, delivering ultra high definition 2880 dpi	1440 nozzle, delivering ultra high definition 2880 dpi
Imaging fluid	Patented Liquid Dot™ technology	Patented Liquid Dot™ technology
Plate type	All 1 and 2-up formats Uncoated grained and anodized aluminum plate, optimized for iCtP™	All 1-up and 2-up formats
Plate thickness	Aluminum 0.15 and 0.20 mm (0.006 / 0.008")	Aluminum 0.15 - 0.30 mm (0.006 - 0.012")
Plate width	200 - 459 mm (7.87 - 18.07")	203 - 619 mm (8.0 - 24.4")
Plate length	200 - 610 mm (7.87 - 24.0")	279 - 785 mm (11.0 - 30.9")
Max imaging size (W x L)	432 x 610 mm (17.0 x 24.0")	609 x 767 mm (24.0 x 30.2")
Plate finishing	Automated integral gumming system	Automated integral gumming system
Imaging resolution	1440 x 1440 dpi or 2800 x 2800 dpi	1440 x 1440 dpi or 2800 x 2800 dpi
Imaging speed	6 B3 plates/hour @ max resolution	6 B3 plates/hour @ max resolution
Run length	35,000 - 50,000 impressions	35,000 - 50,000 impressions
Through-put	Dependent on plate format and image coverage	Dependent on plate format and image coverage
RIP	Harlequin based RIP platform: 1 GB RAM, 100 BaseT ethernet with connectivity to MAC and PC environments	
Screening	Stochastic screening, optimized for iCtP™ ensuring moiré free prints	
Power supply	100 to 230 VAC, 50/60 Hz	100 to 230 VAC, 50/60 Hz
Power consumption	Stand by: 0.3 kW    Process: 2.3 kW	Stand by: 0.3 kW    Process: 2.3 kW
Operating environment	Temperature range 15 - 32°C (59 - 90°F); 20°C (68°F) or higher recommended	
Humidity range	35 to 80% (no condensation)	35 to 80% (no condensation)
Footprint (L x W x H)	1942 x 884 x 1182 mm (76.4 x 34.8 x 46.5")	1942 x 1178 x 1182 mm (76.4 x 46.4 x 46.5")
Weight - Crated:	271 kg (596 lbs)	271 kg (596 lbs)
- Non-crated:	165 kg (363 lbs)	175 kg (386 lbs)
Standard equipment	PlateWriter high definition Inkjet Print Engine, finishing unit including baking, gumming and dryer system, feed and delivery table, stand for PlateWriter, RIP workstation with Mac and PC connectivity, Harlequin based Xitron RIP with iScreening technology, basic colour proofing support for Epson 4800/4880, 7800/7880, 9800/9880, and fluid start-up kit.	

NB: This brochure was printed on a Heidelberg® Speedmaster with plates created on the PlateWriter™ Series.



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