# veripress

precision softproofing


**Veripress** is an on-press softproofing solution, representing the next generation in digital proofing. Built around an **advanced colour management system with a touch screen interface**, Veripress uses platesetter RIP data to produce verified colour-matched proofs on screen, at the touch of a button.


In an era where the productivity demands of high volume press environments means less time available for hardcopy proofs, **softproofing is the logical solution**. Fast, cost efficient and easy to use, Veripress ensures proofs are ready on the press as soon as the plates arrive.

The Veripress range has integrated softproofing solutions suited to any production and press workflow.
Press versions can read the native file format, directory structure, plate assembly and imposition data of **all major manufacturer proprietary RIPs**.

All packages accept file input across the following formats: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image.

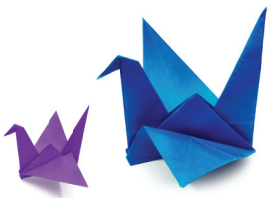
**Veripress Pro**
The complete softproofing solution for the colour-savvy press room.
**Designed for the challenges of press and publishing environments**, Veripress Pro **accepts all supported file formats** and is fully optioned to provide streamlined, print-free proofing for a vast array of bitmap and Postscript RIPs. Touch screen control, press console synchronisation and publication planning file support maximises production output and keeps presses rolling.

**Veripress Lite**
Veripress for press rooms requiring **precision softproofs for imagesetter and platesetter RIPs**.
Integrated RDT (**Real Dot Technology**) displays softproofs with original halftone screening. Press ICC matching with press and platesetter dot gain compensation combine with print media simulation to ensure colour accuracy. Veripress Lite has all the features of Pro, for non-Postscript workflows.

**Veripress Bureau**
Perfect for pre-press design and advertising studios needing to **proof Postscript work for publication**.
Veripress Bureau has all the functionality of Pro, for a PDF/Postscript environment.

**Veripress Remote**
**Softproofs sent** from a Veripress Server **anywhere in the world**.
Serendipity's proprietary Blackmagic Image format maintains total data integrity to ensure offsite locations view identical colour-matched proofs.

**Veripress - precision softproofing has landed**



## Colour Management and Multicolour Support

Veripress is built on a **full 16-bit engine**. The colour management system is **ICC v4.2 compliant** and capable of reproducing the gamut of virtually any print process on screen.

Full **multicolour support** provides accurate proofing of any multicolour printing process - be it hexachrome, 7-colour or a custom process.

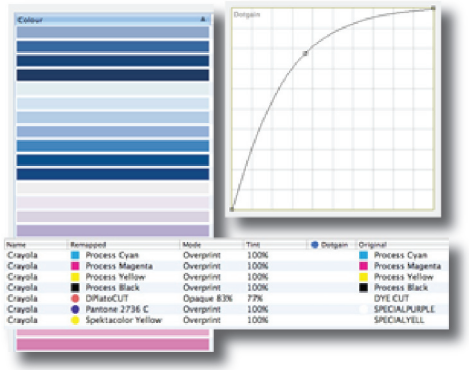
## Press Configurations

Created to **precisely emulate the properties of the press and substrate on screen**, press configurations are an integral part of the Veripress softproofing solution.

Users define the operating gamut of the press via a match ICC profile. Dot gain curves can be added to **compensate for the dot gain of each process CMYK ink and spot colour**, as well as that of the platesetter device. Replacement colour sets can be used for printing processes with non-standard ink setups. The printable sheet area of the press can be entered along with its number of ink keys.

Press configurations **define the white point of the paper** being used. White Point values can be entered manually, extracted from the match ICC profile, or measured from the substrate with a supported Spectrophotometer. The paper's **show-through properties can be defined** including a dot gain curve for the back page. Maximum ink weight and horizontal or vertical stretch factor can also be set.

**Press configs can be switched instantly** via the touch console to view a job as it would look when printed by a different press, or on another paper type.



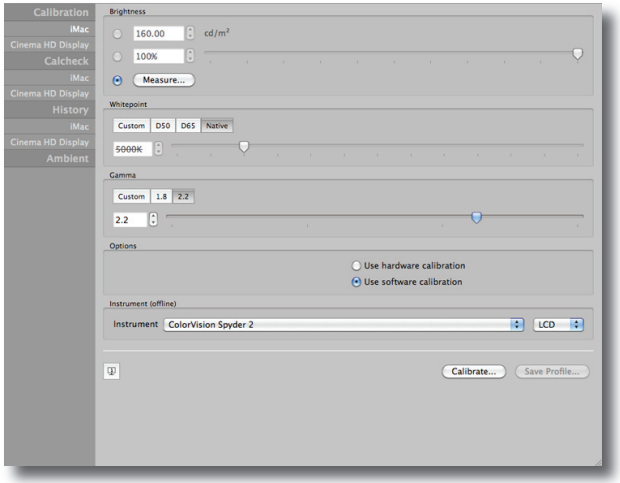
## Spot Colour Handling

Support for **unlimited spot colours** means precise proofing for even the most complex jobs. Spot colours can be easily **imported or created in L*a*b*, CMYK or multicolour colourspaces**. Spots are assigned a paint mode (overprint, knockout, primer, transparent, opaque), a tint level within each mode and a unique dot gain curve.

Special colours are handled in an L*a*b* colourspace for accuracy and consistency. **Advanced spot merging** techniques simulate how each colour will react with other spot and process press inks, making true spot colour proofing a reality.

## Monitor Calibration and Verification

Veripress comes complete with screen calibration and verification tools to ensure accurate colour reproduction. The Displays application uses a supported Spectrophotometer to **calibrate softproofing monitors and light booths**, or measure ambient light sources.




**Adjustments are made to screen gamma, white point and brightness**. Measurements are taken from which an ICC profile is created and saved to Veripress and your operating system as the native display ICC profile. Suitable graphics monitors can be calibrated to match a chosen press gamut and verified to ensure colour accurate softproofing of print material.

Veripress includes a system for creating colour verification charts, generated from **press ICC profiles or imported** from text or CGATS files. Users can **define** the number of patches making up the chart, **process colour, paper and grey balance patch types**; and set maximum, average and standard tolerance values for Δe (CIE76, CIE94, CIE2000), ΔH and ΔC.

Displays **verifies the colour performance** of the monitor directly against the target press standard values and displays results on screen. This guarantees a monitor certified by **Veripress is capable of reproducing the full gamut of the printing process**, be it ISO 12647-2, Fogra, GRACol, a multicolour or other custom process.

## Press Console Integration

The Press Agent application allows Veripress to be **directly connected to a press console through a network port**. When the press operator turns or loads a page on the press console, using a button or by flipping a camera recognised page, Veripress **automatically loads the correct page** for softproofing.

## Touch Console

The press room is no place for a mouse and keyboard. Veripress includes out-of-the-box support for touch screens.

The Veripress **touch console interface** features hierarchical, **one-touch access** to all proofing, publication, page viewing, tools and navigation functions. A visual interface displays a thumbnail of the currently loaded proof making navigation to a specific proof area is as simple as a touch or drag.

The **touch console can be customised** so press operators see only the functions used in the press room. Function buttons can be re-labelled to use local terminology.

## Bookfilter

Using Bookfilter, press operators are able to **proof large multi-section or multi-edition publications**, newspapers or magazines at the touch of a button.

Pages used in multiple publications need only be RIPped once for proofing. Veripress utilises the same **planning files** used on the press to **assemble pages in the correct sequence** to proof a publication.


## Publications

Veripress can **load and proof entire publications** comprised of single pages or de-imposed from multi-page press sheets.

Page navigator panels on the main proofing screen and touch console **show available, missing or duplicate pages and spread page pairs**. The interface provides **one-touch access to any page**.

## Spreads

Publications can be viewed as **page spreads**. Pages are **paired on-the-fly** and displayed side by side to identify problems or bleed issues with full-page spread advertisements or images.

## Back Page

Veripress is able to digitally back consecutive publication pages onto each other.

User-configured paper white point, opacity and back page dot gain are used to accurately **simulate the effects of show-through** on the current page.

## De-Imposition

Veripress includes a built-in de-imposition module that **virtually cuts imposed press files for proofing as individual pages at published size**.

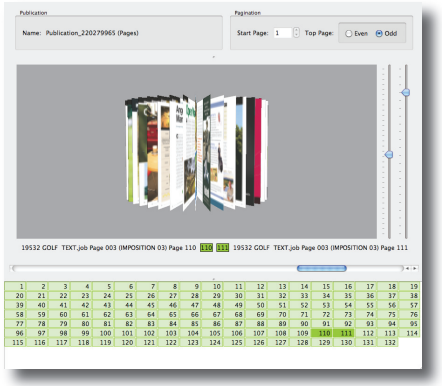
**Signature groups can be custom built or imported** directly from jobs in a number of industry formats, such as Dynastrip, Preps and JDF. Users can edit signatures individually or in groups, changing parameters such as plate offset or page size, invaluable when working with large publications.

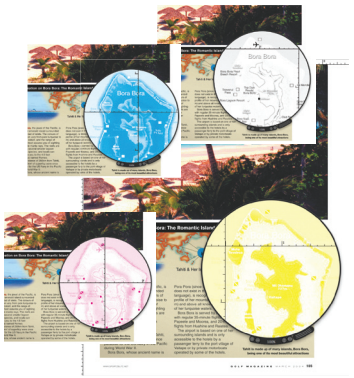
Imposed press sheets can be submitted for proofing with a signature attached. Press operators then have the option to **view an overlaid signature** when proofing the sheet or **instantly de-impose press sheets on screen** to proof correctly sequenced, individual publication pages.

## FlipBook

FlipBook **allows a publication to be previewed in its final printed form** in 2D or 3D. Any newspaper or magazine job can be loaded as a virtual book, quickly flipped through by a press operator and checked for correct de-imposition, page order, orientation or duplicates.

Books can be flipped in left-right or calendar mode and the zoom and viewing angle adjusted. If required, the whole publication can be **exported as a PDF or a QuickTime movie**.





## Virtual Loupe

The virtual Loupe tool allows for the **magnification** of page areas and provides **accurate readings of ink dot coverage percentages**.

A touch-and-drag interface moves the Loupe around the page. It **allows the Loupe size and magnification to be adjusted** while examining image elements, halftone dots and fine text. Channel controls cycle the view within the Loupe through the area's individual ink channels.

A **dynamic heads-up display** shows the ink dot percentages at a point-centred crosshair or within an area average percentage box configured and scaled to the line screen of the plates.

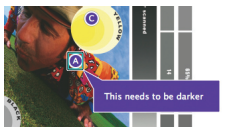
## Spectro Tool

Veripress allows **precise comparison of softproof and press sheet colours**.

Operators can use a supported Spectrophotometer to measure colour and density values on a press sheet then use the Spectro Tool to measure the corresponding area on the softproof. Comparative values and delta E are displayed on screen.


## Channel Viewing

Operators can **quickly toggle ink channels** to get an accurate representation of the proof at various print stages. Combined with Veripress' **digital Blue Line**, which replaces all process colours with varying shades of blue, this Show Channels function is used to check for traps and overprints.




## Notes

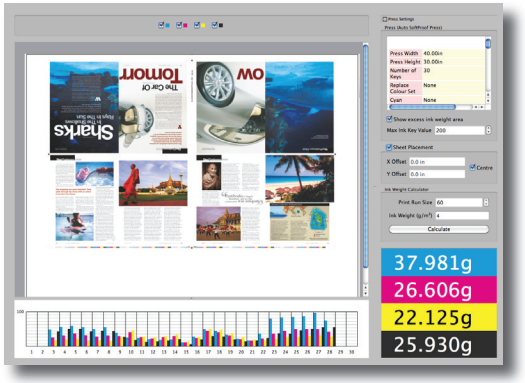
Notes can be attached to specific areas of a page to alert the press operator of **special requirements** or to convey any prepress **instructions**. Users can **jump to a note location** anywhere in a job or publication at the touch of a button.

## Ink Key Viewer

The Ink Key Viewer aids the press operator in the initial **setup of press ink ducts**. Plate size and the number of ink keys are stored in Veripress press configurations and applied to the view on screen.

Press pages can be examined independently or positioned on the plate displaying the relative ink use for each ink key. The amount of **ink used by the print run can be calculated instantly** by entering the number of prints and the process ink weights (in g/m$^2$).

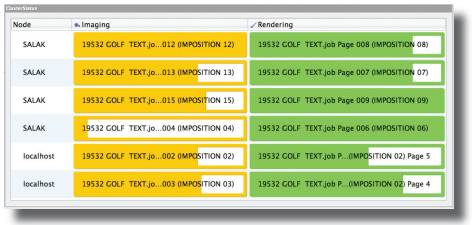
Over-inked areas are highlighted at a touch.




## Secure Account Management

Veripress allows administrators to **create group and user login accounts** tailored to specific roles in the work environment.

Accounts are used as a filter to **display information relevant to each user**, granting access to functions, applications and editing privileges when appropriate. The system enables remote users to **login securely** and can be configured to **notify users of system critical events via email.**




## Clustering

Clustering, or **distributed processing**, is a method whereby **multiple computers are used to share processing workload.** Veripress utilises this technology to speed up your processing workflow.

**Cluster nodes*** running on **additional computers can be seamlessly added** to the cluster. Managed centrally by the Veripress Server, nodes can be run across mixed Mac OS X, Windows or Linux platforms.

*dongles purchased separately.

## Remote Proofing

Veripress is able to **push proofs to remote sites anywhere in the world**. Proofs are sent via FTP or Secure FTP to a Veripress Remote Server in the same **Serendipity Blackmagic Image** format used for the softproofs at the source location.

This streamlined proprietary file format **maintains complete data integrity** - preserving process and special spot colour L*a*b* values and transparency features - enabling remote users with the same calibrated Veripress configuration to **view a certified, identical proof.**



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