Serendipity Blackmagic 3

De-Impose / Duplex Overview...

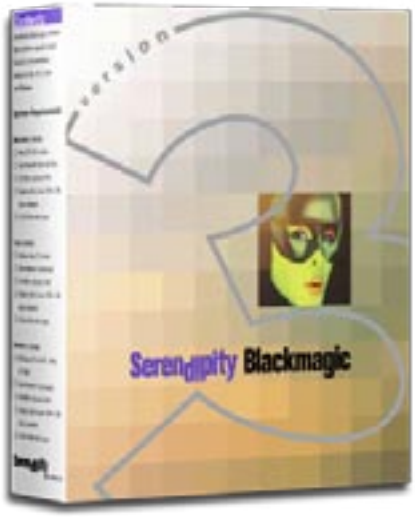
New features include:

- **New Slave (Cluster) Technology**
- **New Plate Paint Technology**
- **New Colour accurate High Res Soft Proofing**
- **New Screen Print Mode**
- **New De-Impose Duplex Printing to:**
  Colour, Black & White Laser Printer
  HTML & PDF
- **New Easy to Use Interface**
- **New Intermediate File Format**
- **New CIP3 Export Facility**
- **High Speed Processing**

And More...

Available for:
Macintosh OSX 10.2 or higher
Linux RedHat 7.2 distribution or later
Sun Solaris 8 or later
SHGI IRIX 6.5 or later
Microsoft Windows NT/2000XP

SANDSTONE
software



Serendipity Blackmagic

Smart proofing software at the centre of your workflow producing colour managed contract proofs from POST RIP data everytime...

Introduction:
Serendipity Software, established in 1994, is a leading provider of digital proofing products for the design, commercial, packaging, flexo, newspaper and publishing industries. The new Serendipity Blackmagic Version 3 takes proofing to the next level, with a completely new look interface and system architecture with many new enhancements.

What is Serendipity Blackmagic?
Serendipity Blackmagic, the company's flagship product, provides true ROOM (rip once output many) workflow by producing digital proofs from post-ripped (bitmap) or the most commonly used CT/Line work formats. This ensures that data integrity is preserved at all times. Serendipity Blackmagic incorporates the companies RDT (Real Dot Technology) which produces digital proofs containing the same dots produced by the imagesetter and platesetter RIP.

The new Serendipity BlackMagic V3.0 software also incorporates their latest enhanced de-imposition technology, which allows full size imposition signatures to be de-imposed, collated and duplex printed to black and white or colour laser printers for the creation of print dummy's.

The Serendipity Blackmagic software package consists of two parts: the server and the client. The core server is known as the master software, which accepts data from a variety of sources, processes it and then outputs to virtually any printer or file format available. Sources of data can be from any of the supported screened or un-screened RIPs, or printed directly from a workstation.

The graphical user interface (GUI) is used to configure and monitor and workbench modules. The GUI can run on any commonly used operating system on any computer on your network which can reach the server. Whether the client is operated from the same building or a different city, you have complete control.

Seemless Integration
Place Serendipity Blackmagic on your network and instantly create contract quality proofs from any printer with no changes to your workflow.

Server
The Serendipity BlackMagic is a server based solution that uses a client software which is capable of connecting to multiple workstations at the same time. The system is multi threaded to efficiently utilise multiple processors to image, render and output jobs as quickly as possible.

Once a job is submitted for proofing, either manually or automatically, the server spools it across and starts the imaging process where RDT is applied on screened 1 bit RIP data to preserve the dot structure. The individual plates including special/spot colours are merged together. The imaged file then moves to the rendering stage, where rotation and colour management are applied.

Input Rips
The proprietary file formats from most leading RIP manufactures are supported. These include Agfa, Barco, Harlequin, Heidelberg, Rampage, and Screen, including Fuji Celebra (Workflow 2), Scitex Brisque Impose and 1 bit tiff. (Please see page 10 for a full list).

Direct Drive of Output Devices
Serendipity are leading developers for Epson, HP, Roland and Canon and as such can directly drive most inkjet devices. Serendipity Blackmagic has the ability to drive multiple proofers simultaneously from the same or different manufacturers. You can also swap jobs between them or pool to the next available device.

Version 3.0 NEW De-Impose / Duplexing

Fast Print Dummy Creation

Serendipity Blackmagic's new deimpose / duplex module, provides a fast and accurate method of creating a complete working print dummy from the early stage of the design & layout concept/approval or from the final post ripped data prior to imaging to film or plate.

Serendipity Blackmagic ensures that any mistakes of page folio numbers, split page image alignments and bleeds can be identified quickly for both Saddle Stitch & Perfect Bound Binding.

Even missing elements such as fonts, images and text re-flow issues or wrongly placed images and ads can be quickly identified saving valuable time within the workflow of today's modern CTP systems.

Production Performance:
A complete print dummy can be created from eg. 132 Page full colour magazine (16x8UP Perfect Bound Sections, 1x4 Page Work & Turn), from 2400 DPI / 150# Fuji Celebra(Workflow 2)post ripped files. The total completion time for spooling, imaging, rendering, de-imposing, collation & printing is 28min 30sec based on using the Macantosh Dual 2.5Ghz & Xante CL30 duplex colour laser printer.

This new method overcomes the lengthy time and labour component that is associated with the cutting and folding of fully imposed low resolution print signatures produced from double sided plotters.

Use any double-sided PostscriptTM or PCL5 compatible printer, the system is able to be used to create full colour or black-and-white "dummies" of your jobs.

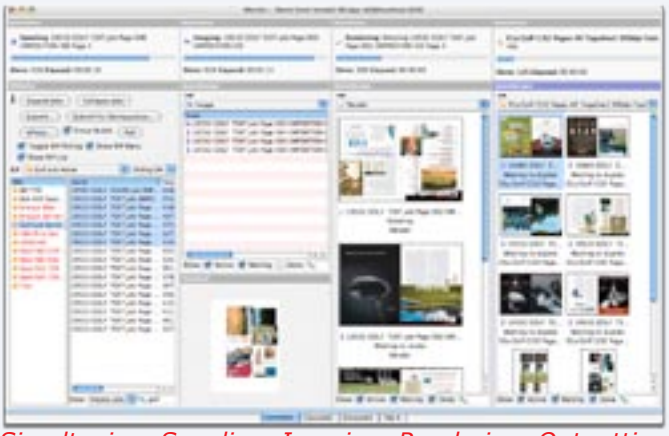
The new intuitive user interface lets you import impostion layout templates from different applications such as, ***Preps***, ***Dynastrip***, & ***Krause***.

-JDF signature groups can also be imported from many compatable systems.

The templets are then saved and assigned when jobs are submitted for de-imposition. Whole jobs can be submitted in bulk, or they can be assigned in eg: 2 x 4 page (inner and outer) sections or 2 x 8 page (inner and outer) sections and are then deimposed, collated, duplex and printed. No cutting and folding is required.

Complete brochure, magazines, annual reports and book are printed in page sequence starting from the back cover to the front cover. Even when there are mixed signatures of 2UP, 4UP, 8UP, 16UP "Work and Turn", "Work & Tumble", "Coming and Going" or "Sheet Work", *the whole process takes place automatically.*

Tighter registration between front to back sections



Simultanius: Spooling, Imaging, Rendering, Outputting

is also achieved over other methods. Signatures for either saddle stitch or perfect bound can be created or imported and stored for use with different sheet feed offset, web offset and newspaper kite splitting/slitting/folding/collation and spin binding configurations.

The de-imposition signature can be configured to print either single or double pages depending on the duplexing printer and paper source. Full size inner and outer signatures can also be reduced and duplex printed to fit e.g. A3 Nobe size printers. This is ideal for producing a backed up imposed form proof.

Imposed sections are submitted for deimposing where they are spooled and imaged first. The jobs are then automatically moved to the Rendering stage where rotation, deimposing and colour management is applied. Jobs are then held waiting for collation and du-

Version 3.0 NEW De-Impose / Duplexing

Fast Print Dummy Creation

plexing in the output queue. Once a duplex pair of inner and outer sections is complete, they are automatically released for printing to the first available printer.

When the impostion or press allocation changes at the last minute, then the jobs that have already been imaged, can be simply assigned to a new deimposed templet and pagesetup. The already imaged sections are then re-rendered without the need to re-spool and re-image the original ripped file. Final duplexed jobs can be reprinted when additional copies are required.

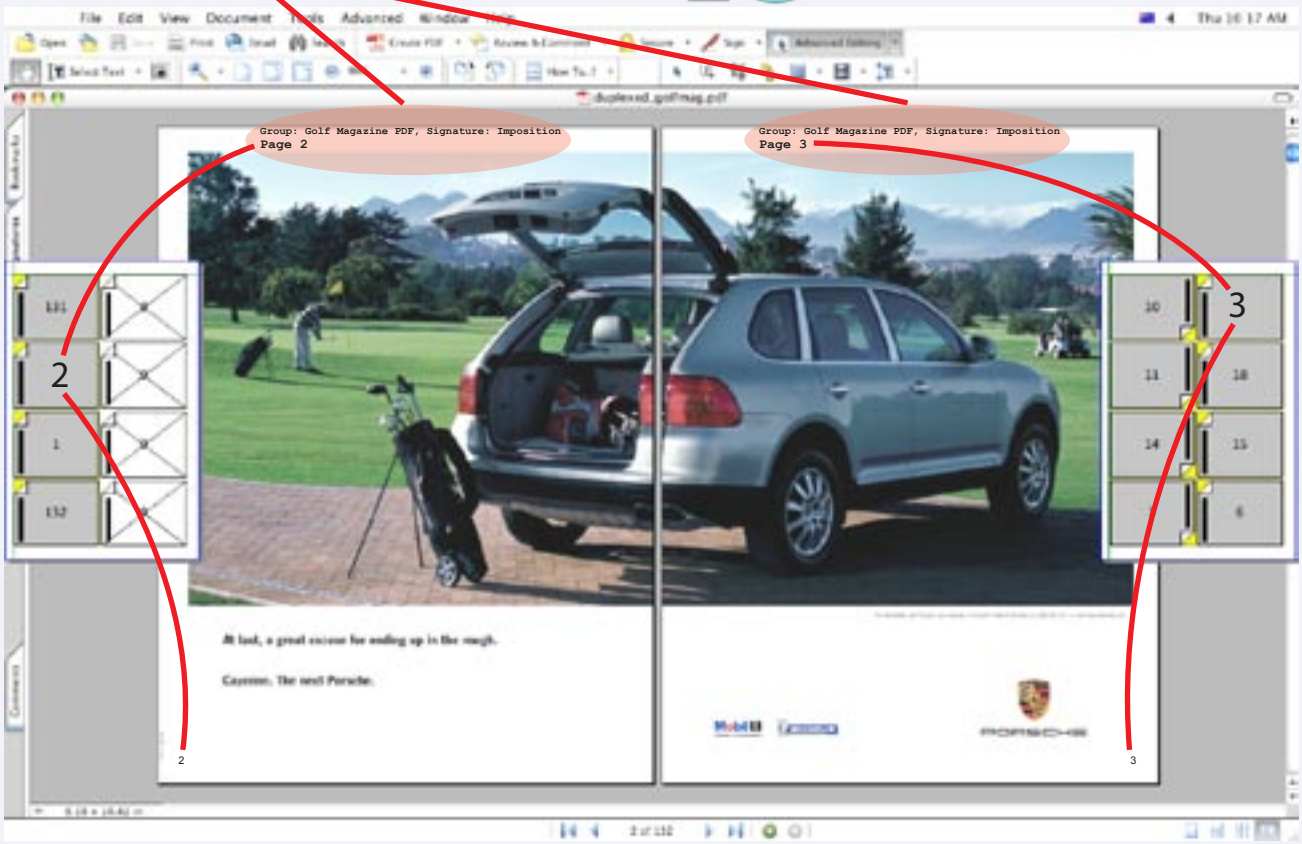
Once each inner and outer section has been checked and OK'd, the individual imaged signatures, can be re-rendered to a different pagesetup for the contact proofing stage. This means there is no need to re-spool and re-image all the original HR post ripped files, saving valuable production time.
Serendipity Blackmagic supports many colour and black and white laser printing devices with either Postscript or HP PCL 5 colour format. Multiple colour or black and white devices can be driven simultaneously providing a fast and efficient production system.

De-Impose DUPLEX PDF Mode:
The PFD output driver also supports the duplex mode. This allows complete jobs or imposition sections to be de-imposed, viewed and printed in reader spreads via the latest version of Acrobat Reader. The resolution, compression ratios and ICC colour management for both screen and printer can be controlled when generating the pdf.

De-Impose DUPLEX HTML Mode:
For those customers who prefer online approval of complete or imposed sections, the Duplex supported HTML output driver provides this flexibiitiy. Like the PDF mode, the resolution, compression and colour management can be attached to provide accurate online soft proofing.

Slug Line Confirmation for Page Positioning
The slug line information confirms that the correct page and folio number have been imposed into the correct signature template.

PDF & HTML web based formats, provides colour accurate soft proofing using ICC profiles

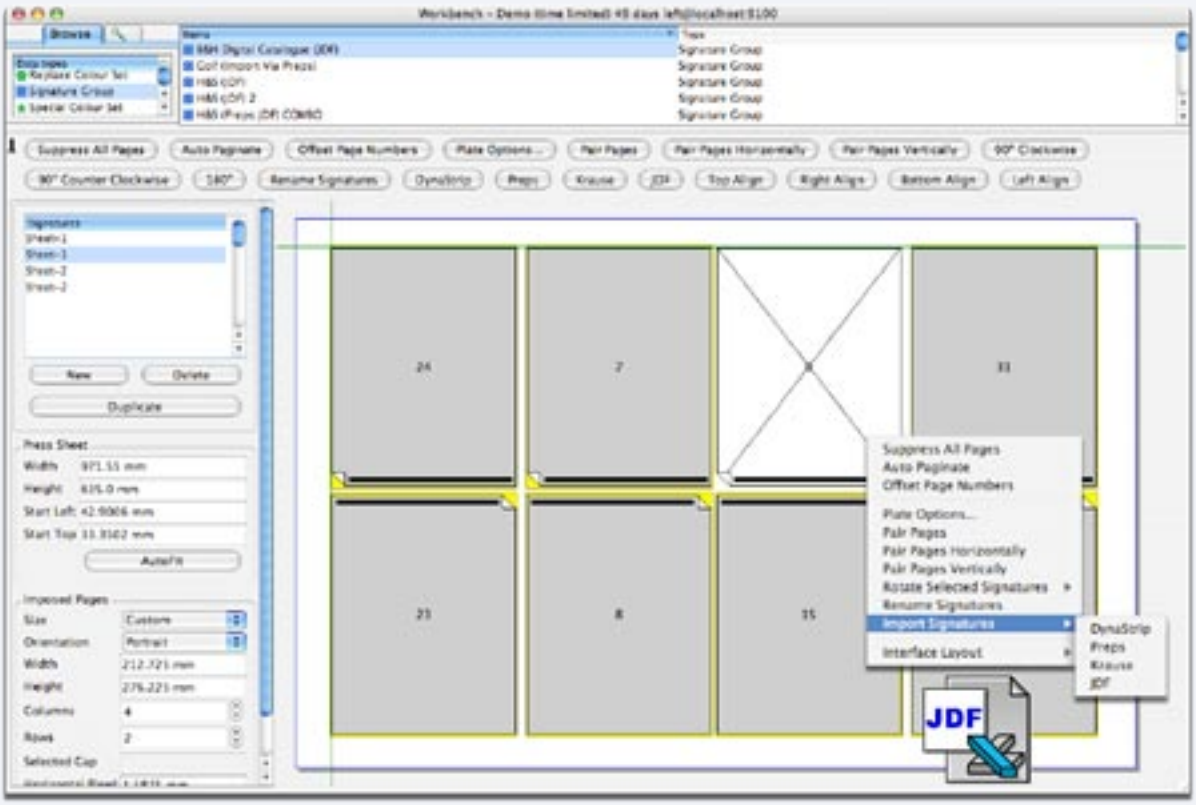


View the full magazine on screen with the NEW PDF / HTML duplexing facility, with full colour accuracy.

De-Impose / Duplexing - How its Done

4 Easy Steps to Fast Print Dummy Creation

1.A. Import Signature Groups, choose from DynaStrip, Preps, Krause and JDF. Our example shows the JDF format.



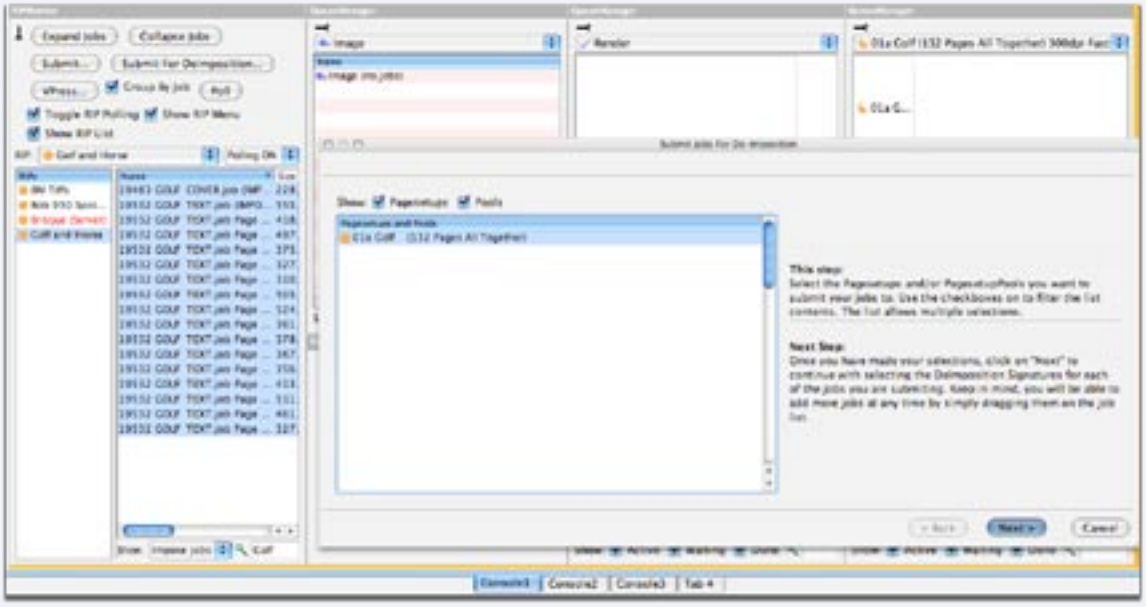
2.B. Group and Offset page numbers. Example; by 1.

2.C. Group and rotate pages by "90o Counter Clockwise".

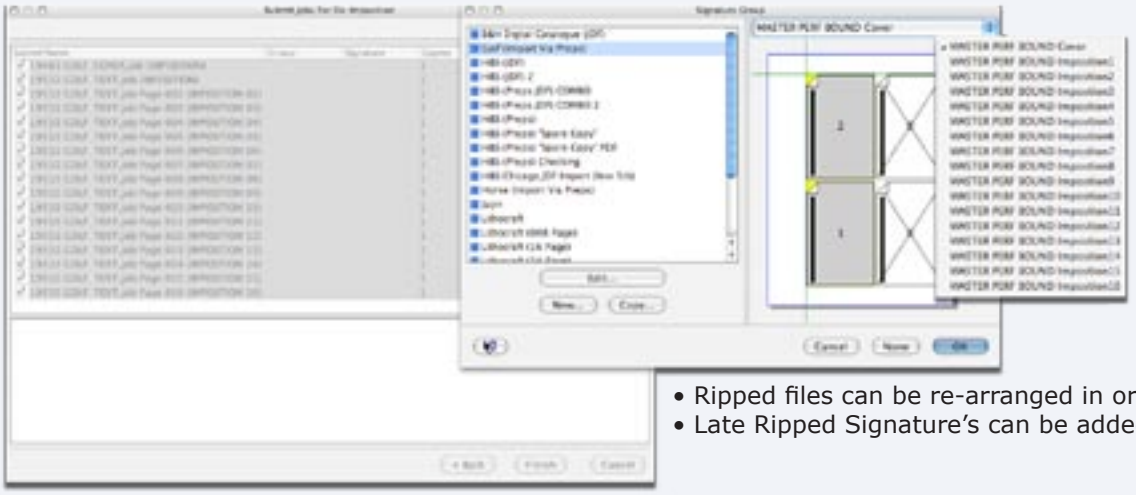
2.D. Group, and "Page Pair Vertically".

3.E. Group and extend bleed to allow trip and crop marks to print.

4.A. Bulk “Submit for Deimposition”. Group all ripped files using search engine, select “Submit for Deimposition”. Select Page setup.

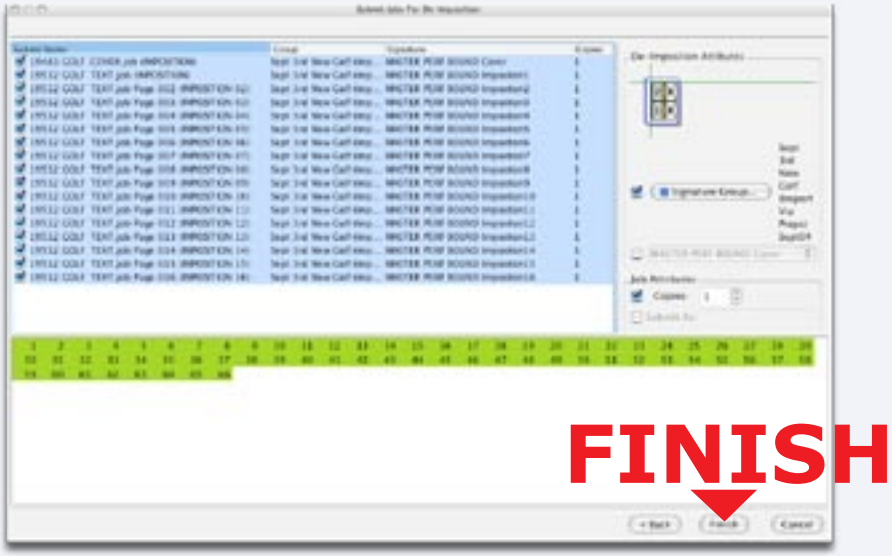


4.B. Select Signature group.



- Ripped files can be re-arranged in order
- Late Ripped Signature’s can be added

4.C. Select Finish.



Serendipity Blackmagic

version 3

INPUT FORMATS

Available Input Filters

Agfa Taipan RIP
Barco Flex RIP - .LP and .LEN files
Contex PrePress
Copydot / DCS 2.0
Crosfield Celix RIP
Crosfield MagnaRip
Crosfield Studio Expose for MagnaRip
Crosfield Studio Expose for Celix
Fuji Studio Expose for Celebra
Fuji Celebra RIP
Harlequin Scriptworks RIP
Heidelberg Delta RIP
Hyphen Pack 16 Based RIP
JPEG Image
Krause TIFF Based RIP
Monotype RIP
Pack 16 Based RIP
Panther RIP
PCC from ArtWork Systems
PDF
Postscript
Printergy
Rampage RIP
Scitex Brisque RIP
Scitex PSM RIP
Scitex RIP (PS/2)
Screen DotTIFF
Screen TaigaSpace
Serendipity Blackmagic Image
TIFF Based RIP
TIFF Based RIP - programmable
TIFF Based Agfa Print Drive
TIFF Image

Included Input Formats

JPEG Image
PNG
Scitex CT
Serendipity Blackmagic Image
TIFF Image

Available Output Formats

TIFF Image

For output to a TIFF file or to a printer.

Dupont Digital Cromalin
- WaterProof 4up & 2up models
IRIS Realist
- SGI and NT with Harlequin RIP
Fuji PictroProof NT based
Other RIPs taking TIFF Image

Scitex CT / Handshake

For output to a Scitex CT file or a printer

3M IMATION 4700 InkJet
Fuji PictroMatch

PostScript Level 2

Serendipity Software has tested all the printers listed here. However, all PostScript Level 2 compliant printers should work.

3M Rainbow
AGFA Duo Proof PS Printers
Apple B&W PS Printers
Canon Fiery/Cyclone copiers
Dupont 4 Cast Sparc based
Fuji FirstProof PS Printers
Fuji FirstLook PS Printers
Fuji Pictography PS printers
Fuji PictroProof PS Printers
HP B&W PS Printers
Kodak PS 9000
Newgen PS Printers
Polariod PS DryJet
Tektronix Phaser 780 PS
Xerox PS supported copiers

Output Drivers

Agfa Sherpa range
CalComp CCRF
CalComp ColorMaster
CalComp CrystalJet
CalComp InkJet Series
Canon BJC-600/800
Canon BJC-8500
Canon W8200
Encad NovaJet
Epson Stylus
Epson Stylus 3000
Epson Stylus 4000
Epson Stylus 5000 / 5500
Epson Stylus 7000 / 9000
Epson Stylus 7500 / 9500
Epson Stylus 7600 / 9600
Epson Stylus 10000 / 10600
Fuji FirstProof
Fuji DoubleProof
Hewlett Packard 10/20/30/50PS
Hewlett Packard 120 / 130
Hewlett Packard 5000 / 5500
Hewlett Packard 500 / 800
Hewlett Packard InkJet
- RGB mode
Hewlett Packard 750
Hewlett Packard 755
Hewlett Packard 2000
Hewlett Packard 3000
Hewlett Packard 1050
Hewlett Packard 1055
Hewlett Packard Laser series
- PCL5
Hewlett Packard Laser series
- PCL6
Hewlett Packard 1120C
HTML
Iris43WIDE
Iris62WIDE
JPEG Image
Mac OS X installed printer
Mimaki InkJet
Mitsubishi DiamondProof
Mutoh RJ 1300
Mutoh RJ 4100
Mutoh Falcon II RJ 6000 / RJ8000
PDF
Photoshop EPS - JPEG
Postscript II
RasterGraphics Piezo 5000
Roland CamJet
Roland FJ-400 / 500 / 600
Roland FJ-540
Roland SJ-540 / 740
Roland SC-540
Roland CJ-540
Roland HiFiJet
Scitex CT / Handshake
Separated Postscript - DCS 2
Serendipity Blackmagic Image
TechSage SpinJet / SpinJet 5000
TIFF image
TIFF single bit, separated
TIFF contone, separated
Windows installed printer
Xante CL30

Included Output Formats

HTML
JPEG Image
PDF
Photoshop EPS - JPEG
PNG
Postscript
Scitex CT
Serendipity Blackmagic Image
TIFF CCITT G3 - separated 1 bit plates
TIFF CCITT G4 - separated 1 bit plates
TIFF Contone - separated
TIFF Image
TIFF Packbits - separated 1 bit plates

OUTPUT FORMATS

CONFIGS

Pro

Unlimited output size
1 input filter - users choice
1 direct output driver - users choice
Level 3 Postscript RIP for PS, EPS and PDF input

Lite

Unlimited output size
1 input filter - users choice
1 direct output driver - users choice

2up

Restricted size output to
482.6 mm x 330.2 (19" x 13")
1 input filter - users choice
1 direct output driver- users choice

4up

Restricted output size to
614mm x 720mm (24" x 28")
1 input filter - users choice
1 direct output driver - users choice

Remote (Bureau)

Unlimited output size
1 direct output driver - users choice
Level 3 Postscript RIP for PS, EPS and PDF input

SPECTRO

Spectrophotometers

Online measuring equipment

Gretag Eye-One
Gretag Spectrolino
Gretag Spectroscan
Xrite DTP-41
Xrite DTP-22
Xrite DTP-32/34

for system requirements visit our website: **www.serendipity-software.com.au**

OS

Apple Mac OS X 10.2 (Jaguar) or later | Linux RedHat 7.2 distribution or later | Sun Solaris 8 (SPARC based) | SGI IRIX 6.5 or later
Microsoft Windows NT4 | Microsoft Windows 2000 | Microsoft Windows XP

Product Comparison Chart

There are several Serendipity Blackmagic versions. Check the comparison chart to determine the one most suited to your needs. You can always upgrade later at an additional cost.

	PRO	Lite	4UP	2UP	Bureau
Bitmap / Ripped Files	YES	YES	YES	YES	NO
Postscript / PDF / EPS	YES	NO	NO Upgradable	NO Upgradable	YES
Unlimited print size	YES	YES	NO Limited to: 614.0 x 720.0 mm	NO Limited to: 330.2 x 482.6 mm	YES
JPEG	YES	YES	YES	YES	YES
PNG	YES	YES	YES	YES	YES
Composite TIFF	YES	YES	YES	YES	YES
Scitex CT	YES	YES	YES	YES	YES
Spot colours	YES	YES	YES	YES	YES
Dotgain curves	YES	YES	YES	YES	YES
Duplexing	YES	YES	YES	YES	YES
De-Impose	YES	YES	YES	YES	YES
High resolution softproof	YES	YES	YES	YES	YES
ICC colour man-agement	YES	YES	YES	YES	YES
Clustering support	YES	YES	YES	YES	YES

Other Supported Equipment

Spectrophotometers

Gretag eye-one	For linearisation and densitometer apps. Supported on Windows and Mac OSX only.
Gretg Spectrolino	For linearisation and densitometer apps.
Gretag SpectroScan	For linearisation and densitometer apps.
Xrite DTP - 41	For linearisations only. USB versions supported on Mac OSX only
Xrite DTP - 22	For linearisation and densitometer apps.
Xrite DTP - 32	For linearisation and densitometer apps.
Xrite DTP - 34	

Sandstone Software Pty. Ltd.
ABN 18 194 586 983

International Distributors of
Serendipity Blackmagic

Unit 4A, 12 Marine Parade,
St. Kilda 3182,
Victoria, Australia.

Tel : +61 3 9534 2950
Fax : +61 3 9525 5060
Mob : +61 0419 899 178

e-mail: murphyrw@msn.com.au