BlackMagic:

Central to your Digital workflow

BLACKMAGIC

RIPPED data

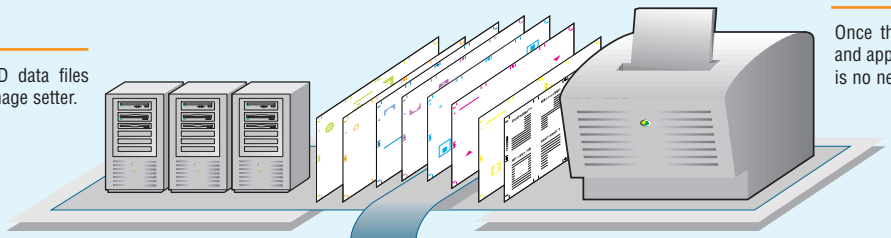
The RIPPED data is the last digital stage in the workflow. These raster files are used as the final output to the plate or image setter and will also be used by BlackMagic to generate a digital proof.

RIP

The RIP generates RIPPED data files suitable for your plate or image setter.

Platesetter Imagesetter

Once the RIPPED data has been proofed and approved, it continues to output. There is no need to re-rip.

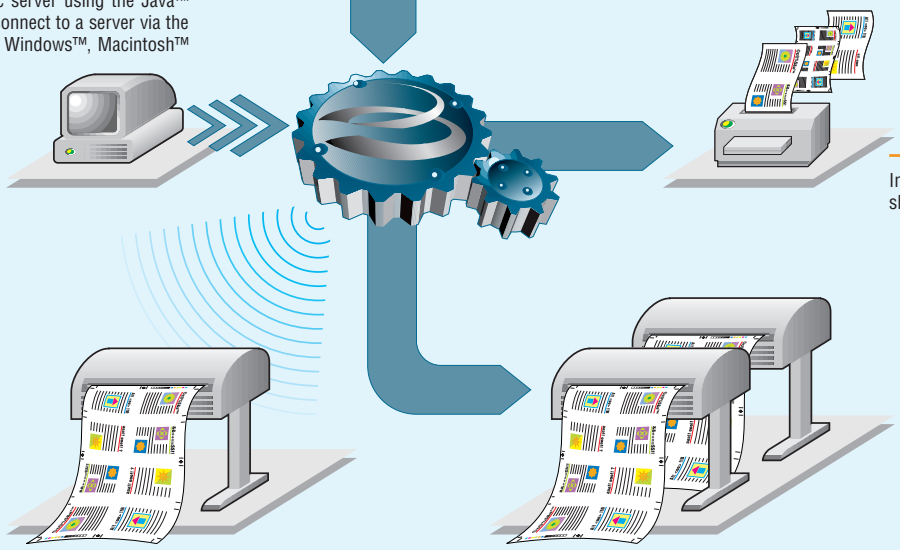


BlackMagic server

The BlackMagic server copies the RIPPED data before it is sent to the plate or image setter. The plates are stitched together, colour corrected and sent to the designated proofer. Jobs can be nested and output on one sheet minimising media waste.

Java™ client

You control the BlackMagic server using the Java™ client. The client can even connect to a server via the internet and can be run on Windows™, Macintosh™ and UNIX workstations.



Small format

Impositions can be de-imposed or shrunk for output on small proofers

Remote proofing

The server can send proofs to remote locations via the internet or wide area networks.

Multiple proofers

Multiple proofers can be driven simultaneously. The output load can be shared by many proofers grouped into printer pools to accelerate the production of large volumes of pages.

SERENDIPITY SOFTWARE

www.riponce.com

Digital blueline

RDT Real Dot Technology

De-imposition Enabled

Serendipity Software, established in 1994, is a leading provider of digital proofing products for the press, printing, sign, poster and mapping industries. Through high quality R&D and flexibility, the company targets niche markets and produces a constant stream of product innovations.

BlackMagic, the company's flagship product provides true ROOM, rip once output many, workflow by producing digital proofs from RIPPED data. BlackMagic incorporates many of Serendipity Software's innovations including:

- **Real Dot Technology** (RDT) produces digital proofs that preserve the halftone dot structure as produced by the plate or image setter RIP.
- **De-imposition** technology allows for the de-imposing and proofing of full size impositions on any digital proofer no matter how small.
- **Super Cell Screening** enables proofing unscreened RIPPED data using Halftone Level 3 screening.

SPECIFICATIONS

BLACKMAGIC

Models

- 2UP (up to 482.6 mm x 330.2 mm output size)
- 4UP (up to 610 mm x 710 mm output size)
- Bureau (PostScript/PDF input only)
- Entry (RIP input only)
- Pro (RIP input and PostScript/PDF)

Operating Systems (Server)

- Windows NT 4.0, Windows 2000
- SGI Irix 6.5 or later
- Solaris 2.5.1 or later
- Redhat Linux 6.2 or later

User Interface (client)

Java™ client supported on any platform with Java runtime 1.1.7 or later installed.

Performance

The server software is multi-threaded to gain maximum performance from multi CPU configurations.

InputFilters

Agfa Taipan
Barco Flex / FastRIP
Copydot / DCS 2.0 files
Crosfield Magnarip
Crosfield Celix
Crosfield Studio (via import module)
Contex PrePres (ALC only)
Fuji Celebra / Workflow
Harlequin (PGB/TIFF)
Heidelberg Delta
Hyphen Pack16
PCC (PSTI)
Rampage (CTR)
Scitex Brisque/PSM 5.0/Impose
Scitex PS2
Single bit TIFF workflow

Printers

Agfa Sherpa
CalComp CCRF
CalComp TechJet/CrystalJet
Canon BJC 8500/600/800
Encad NovaJet
Epson 7000/7500/9000/9500
Epson 1520/3000/5000
Fuji FirstProof
HP 1055/2000/3000/5000
HP 1120C/2500GA
HP Mono laser (PCL5/PCL6)
HP Colour Laser
Mimaki
Mitsubishi DiamondProof
Mutoh RJ-1500
Rastergraphics 5000
Roland CammJet/HiFiJet
Roland FJ-500/400

Export Formats

BlackMagic Image
HTML
JPEG
PDF
Photoshop EPS
PostScript composite
PostScript separated
Scitex CT
TIFF composite
TIFF separated

PostScript RIP

Some models include a PostScript RIP for pre-flight checking and poster making purposes only. Supports composite and separated (Quark & PageMaker only) PostScript.

Colour Management

ICC profile based colour management system (monitor, printer and match options). Supports perceptual, relative colourimetric, absolute colourimetric and saturation rendering intents. RGB, CMYK and Hexachrome printer ICC profiles supported. Option to retain pure black dots as black only i.e. black text prints with black ink only.

Lookup tables (LUTS). One for density and one for gray balance adjustment. Highlight, mid-tone and shadow controls via bezier curve based gradation editor.

Dot gain simulation. Separate curve for process and special colours.

Brightness control for quick adjustment of overall density.

Replace colour sets. Automatically replace any plate with any user defined swatch.

Special Colour Support

Unlimited special colours supported. Specify as CMYK or Lab. Import special colour sets from industry standard applications such as ColorBlind, Praxisoft, Photoshop and Illustrator.

Descreening

- Built in descreening for high quality output from screened bitmaps
- RDT (Real Dot Technology) retains original screening from RIP to proof
- Fast descreening mode, for producing check proofs quickly

Screening

A variety of screening modes for high quality proofer output: Halftone (Level 1 screen), Halftone SuperCell (Level 3 screen), Stochastic, Stochastic Fast and Error Diffusion

Resampling

Built in resampling algorithms for high quality proofer output from unscreened bitmaps: Nearest neighbour, Bilinear, Bicubic and Filtered supported

Automatic de-imposition

Automatically extract and proof pages from any multi-page imposition to smaller printers.

RIP Polling

- FTP
- Mapped network drive
- using supplied Polling Agent for NT, 2000, Linux, Solaris and Irix

Autoproofing

Automatically process jobs, including jobs with special colours, as the RIP finishes processing them. Allows setting of minimum number of plates to wait for and types of plates required before autoproofing can commence.

Printer load balancing

Intelligent printer pooling automatically load balances proofing to multiple printers. The printers that form the pool need not be of the same type or even size.

Remote Proofing

Colour managed remote proofing using supplied export formats. Can be used in conjunction with BlackMagic Bureau for unattended remote proofing.

Virtual printing press

Using the built-in virtual press there is complete freedom of plate manipulation just like on a real printing press. Plates can be swapped, added from other jobs and changed to any colour including specials.

Nesting

Automatically scatter proof pages onto a single page to reduce paper wastage. Step and repeat multiple copies of a single job automatically.

Distributors:
www.riponce.com/partners

Other features

- Automatic tiling to produce large posters
- Rotation by 90, 180 and 270 degrees
- Automatic rotation to conserve paper
- Horizontal/Vertical job distortion to account for printer irregularities
- Automatic mirroring
- Scaling (10%-400%)
- Automatically shrink job proportionally to fit on a specified sheet size
- Output resolutions from 10 to 10,000 dpi supported
- Antialiasing for optimal text quality
- Automated generation of digital blue line proofs
- Automatic colour key generation
- Border can be placed around plate extents
- Job information and process date can be added to the proof
- Print gallery for pictorial view of printer queues
- Reprint jobs without reprocessing
- Job prioritising
- Cropping
- Double sided proofer support
- Ability to centre jobs on the page both horizontally and vertically
- Progressive thumbnail while processing
- Simultaneous spooling, processing and printing
- Prints to multiple printers at once
- Unlimited configurations and unlimited clients (gui)
- Drop folder, appletalk laserwriter and windows printer publishing of pagesetups

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