

High-Performance Superior cost-performance and efficiency

Featuring a newly developed printer driver from Screen

LabProof receives data via the RIP and uses Screen’s unique printer driver to print the data, quickly freeing the operator’s Macintosh for the next task. LabProof receives its data from the same RIP that outputs the data for CTP, so there are no errors in proofing such as those that can arise as a result of differences between the proofing and final output RIP. LabProof takes full advantage of the capabilities of the inkjet printers it operates with, and offers the ultimate in productivity, quality, and cost-performance when used with EPSON, Canon or Hewlett-Packard printers.

Automated operation with hot folders

Output is easy: The operator simply drops files into hot folders that were set up in advance by the user, and the system automatically takes care of the rest. Up to 30 hot folders can be set up. Operators can also set a timer for when the files in a hot folder should be output. Once the set amount of time passes after the last image is placed in the hot folder, all the images that were placed in the hot folder are automatically laid out and output. Images are laid out in descending size order across the page, which dramatically reduces paper waste. This function is particularly useful for the separate output of scanned images.

Printer calibration

Printer calibration, which is critical for the stable output of colour matched images, is easy with LabProof. First, eight-step (eight-level) colour patches of different densities, which are labeled with initial density numbers, are output using the printer. The colour patches that have been output are then compared visually with master colour patches. (These master colour patches are output after the printer has been adjusted to optimal conditions). Finally, the step number that is closest to each of the master colour patches is input. That completes calibration. Calibration takes less than five minutes, and there’s no need for the operator to measure colour density.

LabProof

Colour proofing system

WORKFLOW

Specifications (LabProof Ver4.01 and later)	
Recommended Mac	Power Macintosh G4 867MHz or higher
Memory	512MB or more recommended
Compatible Printers	EPSON Stylus Pro 7600/9600, 10600UC
	HP DesignJet5500 (dye)
	Canon W8200PG/6200
Data formats	CMYK TIFF, 1-bit TIFF (G4 available), JPEG, EPS, DCS

Supported MacOS : Mac OS X 10.3.3 or later

Please consult with our sales representatives for up-to-date information on these printers.



• This brochure was made using SPEKTA screening.

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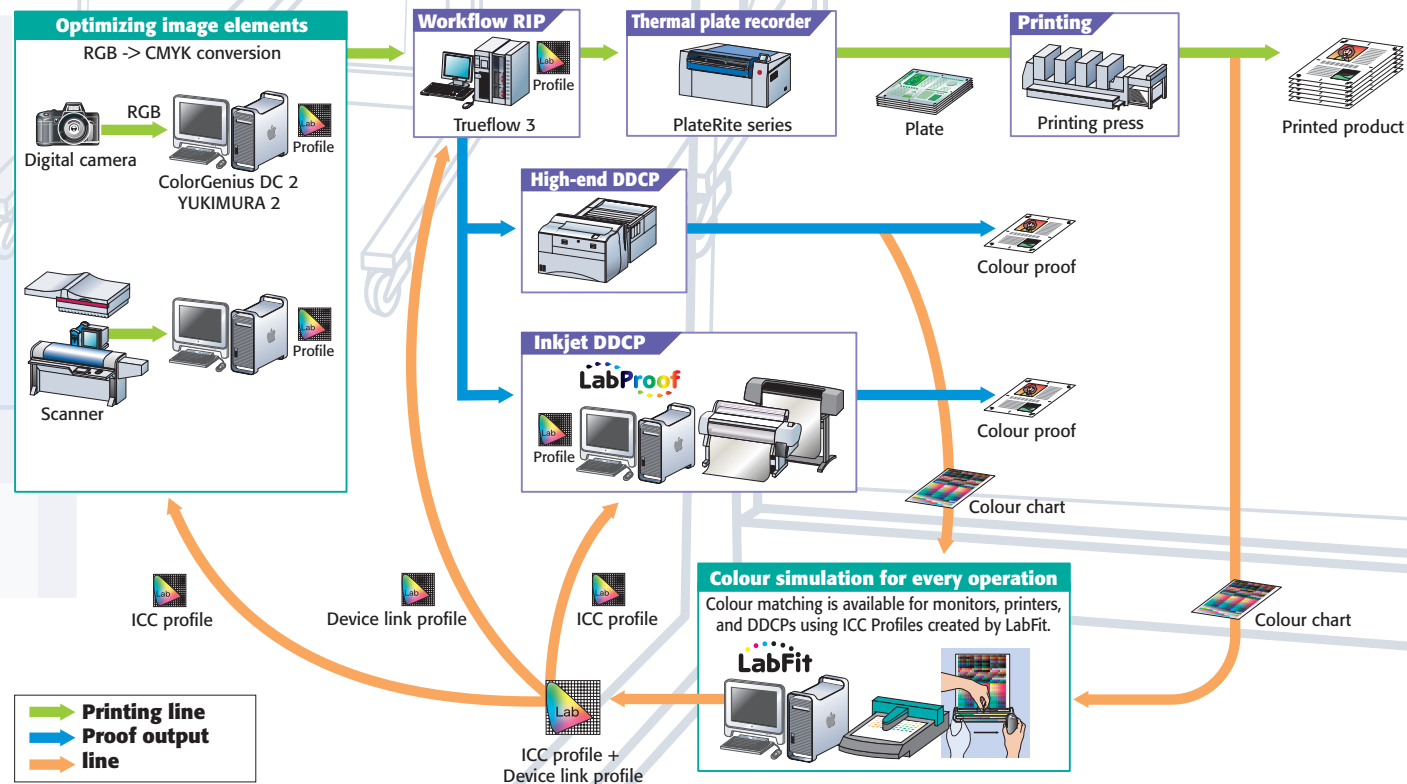
Internet web site www.screen.co.jp
www.screen europe.com

We reserve the right to alter product design and specifications without prior notice.

LabProof Colour proofing system

LabProof is a high quality and high cost-performance colour proofing system for inkjet printers. It accepts RIP'ed CMYK TIFF and 1-bit TIFF data and outputs it to large-format inkjet printers. LabProof performs colour matching using ICC profiles, so the proofs that it outputs are remarkably similar to the final printed output.

High-Quality Output of reliable proofs under a variety of conditions



Compatible with industry-standard ICC profiles

LabProof uses high-precision ICC profiles created using the LabFit colour management system as the basis for colour matching, which enables LabProof to create proofs that are remarkably similar to the final printed output.

Monochrome output of the K (black) separation

Normally, when ColorSync is used for colour matching conversion, the black text and grayscale portions of the image are converted to CMYK process colours. When the K (black) separation monochrome output function is used, however, black text and grayscale portions of the image are output beautifully using only the K separation. Black overprint areas and other portions that have been set to 100% black are converted so that they are only output in the black separation, which results in crisper output.

Base paper colour settings

The operator can set a CMYK dot percentage for the base colour or the paper being used. This helps ensure that the paper actually used during printing and the proofing paper will appear as similar as possible.

Save primary colours

The operator can also set CMYK dot percentages for solid printed primary colours.

Spot colour handling Flexible package (Gravure)

LabProof allows the user to verify the spot colour and white separations, which are so crucial for gravure proofing. Up to ten spot colours can be used with LabProof. The user simply sets up a hot folder for each spot colour, containing the combined CMYK values that correspond with that spot colour. This makes it easy to output CMYK + Green + White, for example. Each separation can be

output as a black or spot colour separation, allowing the operator to check separations individually. LabProof can also be used to create blue print—normally a time-consuming process—quickly and efficiently.

Two colour leaflets

Users can verify two colour leaflets using the spot colour function.

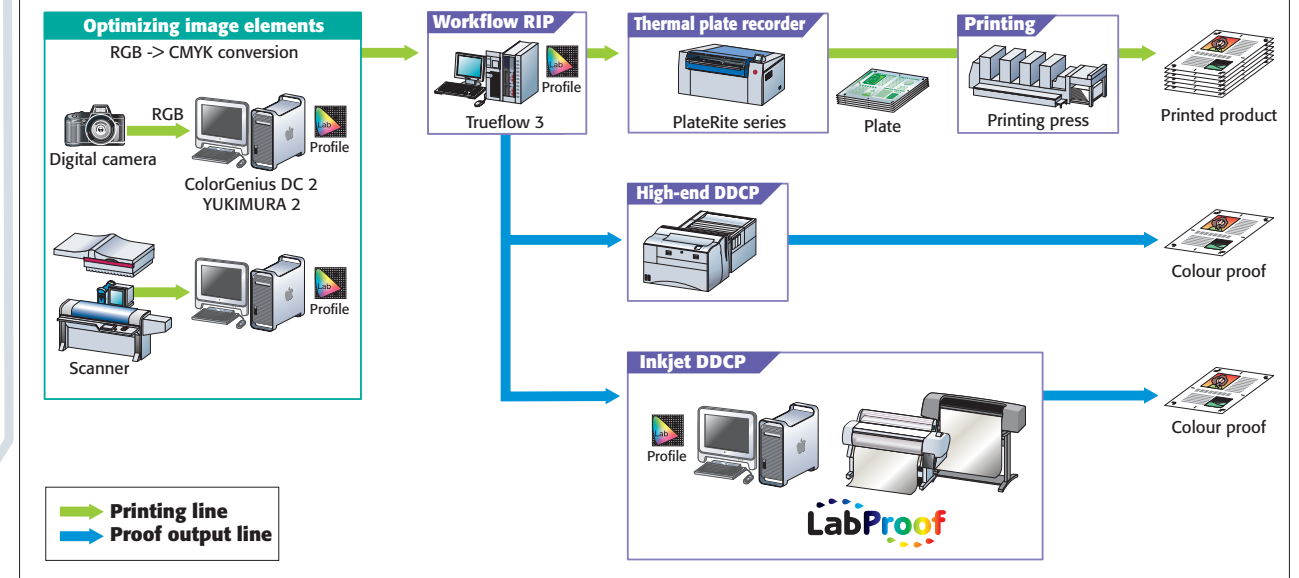
Magnification function

LabProof allows users to set separate vertical and horizontal magnifications for output. This means that even if the size used during page composition is different from the actual output size, the operator can match the proof size to the actual output size. What's more, the user can choose to use magnification with a fixed number of pixels for the output of binary images using different magnifications. Outputting a single pixel on the printer for each pixel in the image makes it easier for the operator to check on halftone dots, look for broken lines, and verify the quality of the text output.

Output with image box

Users can create a box surrounding the image to confirm the image area in the output. This makes it easy to verify the plate size before output to the platesetter, and ensures that the gripper margin is maintained.

Colour proof output



Spread for binary images

LabProof allows the user to set spreads and chokes for halftone dots and linework of binary image. Spreads and chokes can be set in 11 levels, between -5 and +5, separately for each of the CMYK separations.

Simulated halftone dot output

Simulated halftone dots that effectively leave the original halftone dots in place can be output for 1-bit TIFF colour matching. CMYK TIFFs can be output using the random dither pattern and also be can output as screened, simulated halftone dots.

Note: CMYK TIFF simulated halftone dot output is only available for certain types of printers.

Screen inkjet printer paper

Screen offers inkjet printer paper recommended for use with LabProof. ICC profiles required for colour matching with this paper are included with LabProof, which makes creating a reliable colour proofing environment fast and easy.