Star Proof is an innovative proofing solution with the power to produce 200lpi contract proofs on inkjet printers — quickly and economically. With its Actual Dot system to replicate original screening and dot patterns at proofing resolutions, Star Proof delivers top quality proofs with a hard dot, sharp images, accurate color and fine detail — just as they will appear on the press. And with ROOM proofing architecture to resample the same set of high resolution separations that are sent to the platesetter/ imagesetter, Star Proof ensures data integrity between proof and print.

Proofing Family

Accurate dot-for-dot proofing solution

Star Proof V.5

Highlights

- New ICS (ICC) calibration tools to support ICC profiles
- Choice of Delta E options for certification
- ICS Reader 2.0 support density, Lab value and measure spot colours for Colour Shade
- Packaging option allows user to apply different dot lost and extreme dot gain value on different separations.
- Support latest X-rite Spectrometer
- Enhanced input formats
- Page centering for accurate duplex printing
- FOGRA certified proofing system

Check-out Star Proof V.5 New Features

New ICS (ICC) calibration tools

This feature allows users to import standard press ICC profiles. In addition, the user has tools that allow the creation of their own custom ICC profiles that produce great visual results with low Delta E values. In addition, users can view Lab and CMYK value and apply flexible colour adjustment, set maximum total Ink for printing and import spot colour Lab value from spectrophotometer devices.

Choice of Delta E options

New ISI calibration system provides ICC profile users the choice of various Delta E options such as; Delta E CIE 2000, Delta E CIE 1994, Delta E CIE 1976, Delta E CMC and Delta E BFD.

ICS Reader 2.0 support

ICS Reader version 2.0 offers powerful new features such as the support of density and LAB measurement enabling the user to choose different targets for measurement of density and LAB values; colour shade options to improve and simulate spot colour matching; and press paper colour matching to simulate press paper colour on the proofing device.

Packaging Options

Star Proof offers new features for packaging providing tools that allows the user to apply different dot lost and extreme dot gain value on different separation.

Support latest X-rite Spectrometer

Providing unsurpassed accuracy, Star Proof supports the latest colour measurement devices from X-rite/GretagMacbeth. Whether your need is for colour calibration, colour process control or colour management, our recommended series of autoscan spectrophotometer gives highly accurate colour measurements.
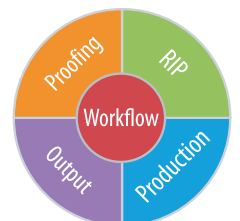
Enhanced input file formats

Star Proof now supports more input file formats such as TIFF, DeltaList, 1-bit DCS, Scitex Handshake CT, 1-bit Presstek, and 1-bit Barco Len

compose

An Open Future

Proofing   RIP   Workflow   Output   Production

Features and Benefits

Screened contract proofs produced quickly and economically

Developed by a team of highly experienced colour professionals for Mac OS X, Star Proof gives you all the controls you need for faithful reproduction of images on inkjet and laser printers. To maintain image sharpness, Star Proof uses the actual dots of the original ripped data, preserving dot patterns, screening and rosettes on the proof. The results on high quality inkjet printers are stunning and contract-quality proofs of up to 200 lines per inch can be produced on latest Epson printers such as the Stylus Pro 4400, 4800, 4880, 7400, 7800, 7880, 9400, 9800, 9880, 10600 and 11880.

Hard dots for sharper images and fine lines

The foundation of Star Proof's power-ful capabilities to produce top quality screened proofs is in its analytical engine, Actual Dot. This analyzes the CMYK dot patterns and screen angles of high reso-lution separations and reproduces these by creating arrangements of hard dots on the proofer — right down to rosettes, fine line art, text at just 1pt, and even defects such as moiré patterns.

Dot corrections for flexo printing

Pre-adjust dot geometry and dot gain in flexo printing applications to ensure matching proof and print down to dot level.

ICS (ICC) colour calibration to simu-late traditional proofing

Star Proof's ICS (ICC) system gives you a comprehensive set of tools to achieve excellent colour matching between proof and press, offering traditional colour calibration and fine controls for matching inks via colour shade, calibra-tion curve and dot gain compensation.

Harlequin RIP Option

Star Proof is integrated with Compose Express RIP 6 and above. Simply drop PostScript or PDF files into the proof setup and Star Proof will instruct the RIP to rasterise and screen jobs before outputting to the proofing device.

Enhanced input file formats

Star Proof now supports the following input file formats -
- Gray TIFF
- CMYK TIFF
- DeltaList
- 1-bit DCS
- Scitex Handshake CT
- 1-bit Presstek
- 1-bit Barco Len

Improved adjustment of gray balance

Through improvements in colour management coding, ICS2 gives you even more control over gray balance.

Digital blue prints to check trapping

Colour Shade Editor enables users to replicate conventional methods of checking trapping by substituting blue hues for the ink on each plate with correctly trapped areas shown with a thin dark blue line.

Proofing jobs with special effects

Simulate the usage of opaque inks and control the sequence of colours - invaluable for applications such as proofing water-based inks.

Colour Shade for special colours

Special colours can be replicated with Colour Shade to give closest match in CMYK values and then saved in a colour library.

Simulation of paper stock

Define base colours to simulate the target paper stock.

Progressive proofs

Progressive can now be printed for the proofs. Users have the choice of printing only the C, M, Y, K separations, or C+M, C+Y, M+Y and C+M+Y plates. In addition, each separation can be printed as black.
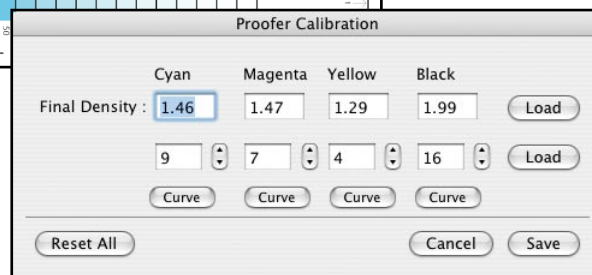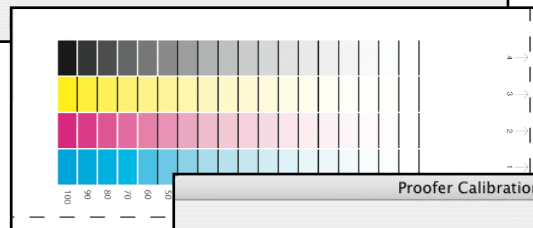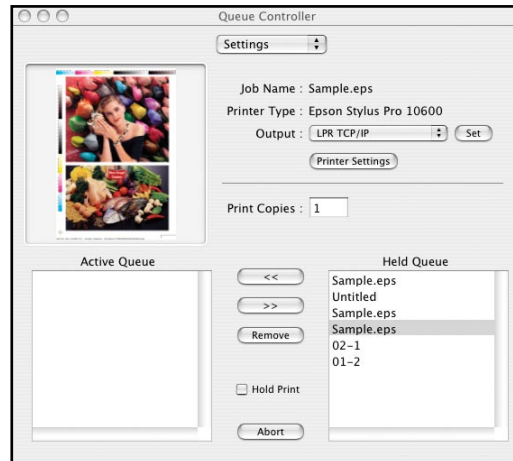
Star Proof Remote Print Station enables proofs to be printed remotely. Accurate calibration tools are provided to ensure consistency across proofers

Remote printing

Remote Print Station's fast delivery of proofing files lets your customers print contract proofs on their in-house inkjet printers.

Proofing oversize jobs

Split large plates for proofing on a small printer - print individual pages or double page spreads on A4 or A3 printers.

Soft proofing via the internet

Generate soft proofs as JPEGs for delivery by e-mail or ftp.

Efficient remote proofing for faster approvals

Star Proof Remote Print Station gives print companies a cost-effec-tive solution to provide customers with the capability to print contract proofs locally, on inkjet printers in their own offices, shortening approval cycles and improving the service to your customers. Accurate calibration tools are provided to ensure that the remote proofer produces exactly the same results as your in-house proofer.

ICS (ICC) colour calibration to simulate traditional proofing - Now supporting ICC Profiles!

Star Proof ICS (ICC) system gives you a comprehensive set of tools to achieve excellent colour matching between proof and press, offering support for ICC press and proofer profiles to achieve accurate results quickly and easily. Users can continue to use ICS2, the traditional colour calibration and fine controls for matching inks via colour shade, calibration curve and dot gain compensation. And with superb reproduction of blacks and grays, and options for handling UCR and GCR, you can easily achieve quality levels that are difficult for systems based on ICC profiling.

Accurate results with ICS (ICC)

ICS (ICC) imports industry-standard ICC press and proof profiles to build the colour tables required for high-end colour matching. With 2 simple steps, users can now run out high quality proofs. Additional fine-tuning is still possible with ICS2.

Save time with ICS2 Auto-calibration

You can save calibration time by using ICS2 auto-calibration for automated reading of colour patches with the X-Rite i1. Easier to use than the manual system, ICS2's auto calibration takes the i1 measurements and prepares a colour curve with the appropriate gamut which you can then fine tune for even more precise colour matching.

Controlling shadow areas with InkTuner

In areas of the proof where overlaps between C, M, Y and Black are shown, InkTuner lets you adjust the colour densities of individual inks and control shadow areas and view actual ink values in real time. InkTuner automatically manages the process of adjusting ink levels to ensure ink hues are unaffected which gives a robust system to control both colour and density in selected areas - a process not possible with ICC colour management.

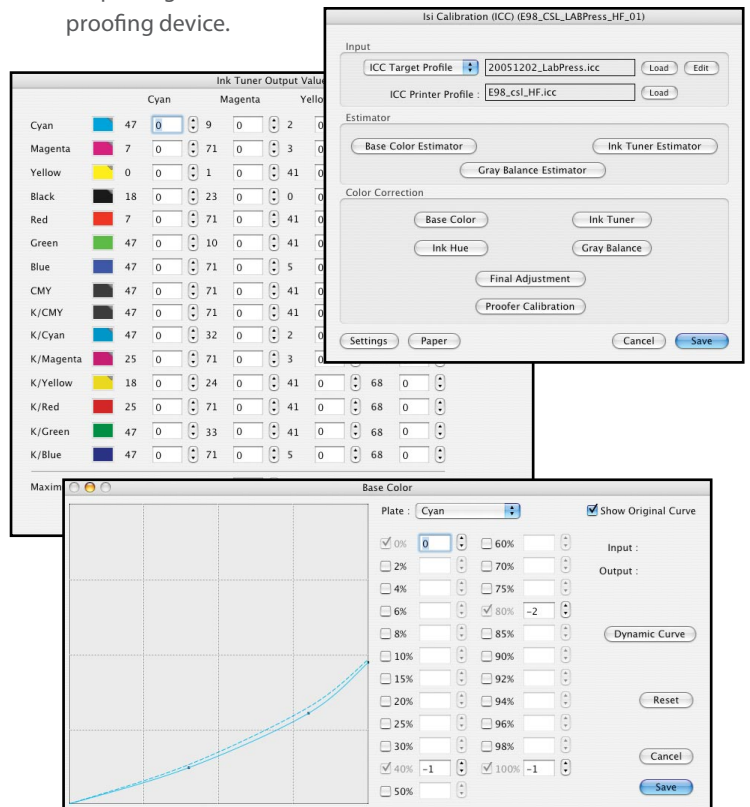## Contract proofing on a wide range of affordable inkjets

We work closely with many printer manufacturers, continuously developing interfaces for new models and ensuring optimum performance and output quality. The flexibility and precision of Star Proof let you take advantage of the ever increasing range of high quality inkjet printers from suppliers such as Epson with the VSDT-capable Stylus Pro 4880, 7880, 9880 and 11880 which are recommended for use with Compose proofing solutions.

Proofs from almost any RIP

Star Proof uses compressed 1-bit TIFF separations as source data to create proofs so you can use Star Proof with almost any PostScript RIP. In addition, Star Proof can process data in Harlequin PageBuffer format making it ideal for operation with any Harlequin RIP. Other input formats accepted include 8-bit CMYK TIFF, CCIT and Packbits.

Proofs from source PostScript or PDF files

Star Proof is integrated with Compose Express RIP 7 and above. Simply drop PostScript or PDF files into the proof setup and Star Proof will instruct the RIP to rasterise and screen jobs before outputting to the proofing device.

Ink Tuner Output Value

		Cyan		Magenta		Yellow			
Cyan	47	0	9	0	2				
Magenta	7	0	71	0	3				
Yellow	0	0	1	0	41				
Black	18	0	23	0	0				
Red	7	0	71	0	41				
Green	47	0	10	0	41				
Blue	47	0	71	0	5				
CMY	47	0	71	0	41				
K/CMY	47	0	71	0	41				
K/Cyan	47	0	32	0	2				
K/Magenta	25	0	71	0	3				
K/Yellow	18	0	24	0	41	0	68	0	
K/Red	25	0	71	0	41	0	68	0	
K/Green	47	0	33	0	41	0	68	0	
K/Blue	47	0	71	0	5	0	68	0	

Isi Calibration (ICC) (E98_CSL_LABPress_HF_01)

Input
ICC Target Profile: 20051202_LabPress.icc [Load] [Edit]
ICC Printer Profile: E98_csl_HF.icc [Load]

Estimator
[Base Color Estimator] [Ink Tuner Estimator]
[Gray Balance Estimator]

Color Correction
[Base Color] [Ink Tuner]
[Ink Hue] [Gray Balance]
[Final Adjustment]
[Proofer Calibration]

[Settings] [Paper] [Cancel] [Save]

Base Color
Plate: Cyan ☑ Show Original Curve
☑ 0% 0 ☐ 60%   Input:
☐ 2%   ☐ 70%   Output:
☐ 4%   ☐ 75%
☐ 6%   ☑ 80% -2 [Dynamic Curve]
☐ 8%   ☐ 85%
☐ 10%   ☐ 90%
☐ 15%   ☐ 92%
☐ 20%   ☐ 94% [Reset]
☐ 25%   ☐ 96%
☐ 30%   ☐ 98% [Cancel]
☑ 40% -1 ☑ 100% -1 [Save]
☐ 50%

New ICS2 Calibration System enables users to import press and proofer ICC profiles to achieve accurate results easily
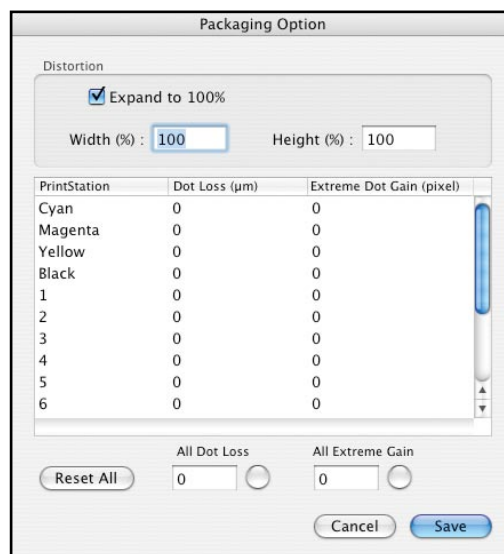
Ideal for packaging applications

Star Proof V.5 offers new features for packaging applications that recognise the special dot characteristics of flexo printing to ensure your proofs accurately reflect what will be produced on the press.

Screening dots prepared for flexo plates are normally adjusted in width or height by a small percentage to compensate for expansion during printing. Star Proof Distortion expands distorted dots to the original size with user controls to correct the size of the screening dots based on the original distortion ratio or the expansion ratio. Star Proof also compensates for the loss of small dots in the transfer to flexo plates during printing. By entering a Dot Lost size, any screening dots smaller than this size will be removed and will not appear on the proof.

Flexo printing, especially for printing on corrugated media, has extremely high dot gain of up to 15% to 20% and normal dot gain adjustment cannot compensate dot gains of this magnitude. Star Proof's Extreme Dot Gain increases screening dot size dramatically by adding a border of 1 or more pixels around the screening dot - again, giving you the confidence that what you see on your proof matches the press.

Packaging Option

Distortion
☑ Expand to 100%
Width (%): 100   Height (%): 100

PrintStation	Dot Loss (µm)	Extreme Dot Gain (pixel)
Cyan	0	0
Magenta	0	0
Yellow	0	0
Black	0	0
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0

All Dot Loss   All Extreme Gain
[Reset All]   0   0
[Cancel] [Save]

Packaging options for dot distortion, lost dots and extreme dot gain adjustment

Page Setup

RIP Page Setup	Proof Setup	Resolution	Calibration	Separations Style
E9800_SemiGPP_2400150	EP9800-EPSP-H-8C-L-Press	2400	(None)	Separations (Half
E9800_SemiGPP_2400175	EP9800-EPSP-H-8C-L-Press	2400	(None)	Separations (Half

New · Edit · Delete · Rename · Copy

Page Setup (Untitled)

Settings
Proof Setup : EP9800-EPSP-H-8C-L-Press
Template : None
Configure TIFF Output Device
Separation Style : CMYK Separations (Halftone)
Calibration : (None)

Resolution
Vertical : 2400.0   Units : dpi
Horizontal : 2400.0
☑ Override resolution in job

Processing
Optimisation : None
Exposure : 0

Effects
AB
☐ Negative
☐ Mirrorpr
☐ Control
Rotate :

Page Layout · Option

Log

Star Proof version 5 Beta 3
Time : 3/21/2006 9:21:26 AM

Job starts : 3/21/2006 9:23:07 AM
Job name   : BC_04_Proofing [Converted].ai (C)00
Proof Setup   : EP9800-EPSP-H-8C-L-Press
Color Shade   : Default
Isi Calibration 2 : EP4000-EPSP-H-8C-L-Press
Paper Color   : Default
File Name Match : Default

All plates, despeckle set to off.
BC_04_Proofing [Converted].ai (C)00.TIF - Cyan
BC_04_Proofing [Converted].ai (M)00.TIF - Magenta
BC_04_Proofing [Converted].ai (Y)00.TIF - Yellow
BC_04_Proofing [Converted].ai (K)00.TIF - Black
File copy ends, time taken : 0 min. 1 sec.
Processing files ends, time taken : 1 min. 19 sec.
Thumbnail saved, time taken : 0 min. 1 sec.
Job Completed.

Progress

Processing files...
[progress bar] Cancel

Queue Controller

Active Queue
<< · >> · Remove · Info · ☑ Hold Print · ☐ Ganging · Abort

Held Queue
Ganging job-2
BC_04_Proofing [Converte

Star Proof is tightly integrated with the Compose Express RIP to provide actual-dot proofing for your PostScript/PDF inputs.

Color Shade

File name
Blue Print
Default
ISOcoat
Newspaper Opaque
Ultra Chrome 1440dpi

New · Edit · Delete · Rename · Copy · Refresh · Exit

Color Mixer

Name : 3272
Cyan   100.00
Magenta   0.95
Yellow   75.79   L   42.76
Black   0.00   a   -86.26
Opaque   0.00   b   10.11

Print Station : 1
☐ Invert Separation

Color Shade (Default)

Color	Name	Station
	325	1
	3252	1
	3255	1
	3258	1
	326	1
	3262	1
	3265	1
	3268	1
	327	1
	3272	1
	3275	1
	3278	1
	328	1
	3282	1
	3285	1
	3288	1
	329	1
	3292	1

Add · Modify · Copy · Delete · ☑ Confirm delete · Order · Find · Import

ICC Profile : ISOcoated.icc   Set   Clear
Illuminant : D50
Rendering : Absolute Colorimetric
Intent

Cancel · Save

Color Shade converts Spot Colours to the closest CMYK values using your press and proofer ICC profiles to achieve accurate

Supported Printers

- Epson Stylus Pro
  4000, 4400, 4800, 4880, 7000, 7400, 7500, 7600, 7800, 7880, 9000, 9400, 9500, 9600, 9800, 9880, 10000, 10600, 11880
- Epson Stylus Photo 2100, 2200
- HP Designjet 10PS, 20PS, 30, 50PS, 120, 130, 1050c, 5000, 5500
- Canon W6400, W8400, BJC-8500

Input Formats

1-bit TIFF created by
- HARLEQUIN Scriptworks RIP
- AGFA Taipan Rip
- DAINIPPON SCREEN

PixelStream Imposition Workflow
- Harlequin PGB files
- 8-bit CMYK TIFF and any 1-bit TIFF

Created by other RIP Compression methods
- CCITT G3
- CCITT G4
- CCITT Huffman RLE
- Packbits

Other formats
- DeltaList
- 1-bit DCS
- Scitex Handshake CT
- 1-bit Presstek
- 1-bit Barco Len

System Requirements

Basic requirement:
CPU:	Dual G5 2GHz
Memory:	1GB RAM
Hard Drive:	80GB Serial ATA Drive

Recommended:
CPU:	Quad G5 2.5GHz or above
Memory:	2GB RAM
Hard Drive:	160GB Serial ATA Drive

Recommended operating system:
OS X version 10 or above

fogra cert
Proof system | 20099