TECHNO.lab

The complete professional contract proofing software

Colour RIP server

ICC profile generation

Quality control system

Spectrophotometer

Techno IN

• TECHNO.lab

TECHNO.lab is the professionals choice in proofing software for accurate colour reproduction on inkjet printers.

The perfect solution for graphic art professionals in:-

- **Commerical printers**
- **Book printers**
- **Magazine printers**
- **Newspaper printers**
- **Flexo printers**
- **Gravure printers**
- **Dry offset printers**
- **Reprographic studios**
- **Publishers**
- **Advertising agencies**
- **Photographic reproduction**
- **Giclée and fine art reproduction**

• TECHNO.lab software RIP

TECHNO.lab software goes beyond the bounds of simply inkjet proofing, its unique feature set encompass every possible need for todays demanding proofing environments.

- **Contract proofs, accurate and consistent as standard**
- **Compatible with your existing systems**
  i.e. Apple Macintosh, PC & pre press workflows
- **Easy to use**
- **Maximum productivity**
- **Multiple printers driven from the same RIP**

• Virtual Proofing (V.P.)

From any input files TECHNO.lab will create soft proofing files. These files can be used for internal checking before hard copy proof, or for creating proofs at other sites, or more commonly today giving clients proofs via the internet.

V.P. **(Virtual Proof) Included as standard with TECHNO.lab is a colour correct soft proofing technology. Deliver clients pre ripped and colour managed soft proofs as PDF, JPEG, or TIFF. Available in all products.**

• Data Integrity Proofs (D.I.P.)

Input your separated pre ripped files (from your CtF/CtP workflow). Giving you the security of R.O.O.M. (Rip Once Output Many) proofing.

Fast D.I.P. **(Fast Data Integrity Proofs) Input your separated RASTER files (from your CtF/CtP workflow), and produce lightening quick down sampled, de-screened, colour accurate content secure proofs. Available in all versions.**

D.I.P. **(Data Integrity Proofs) Input your separated RASTER files (from your CtF/CtP workflow) and SEE YOUR dots and YOUR SCREEN on the proof. With accurate colour.**

• Halftone screen/dot simulation proof (D.S.P.)

Input your PDFs, PostScript and continuous tone files to create proofs showing halftone rossettes. Available in TECHNO.lab DOTS products.

D.S.P. **(Dot Simulation Proof) From your continuous tone input (Postscript, PDF, TIFF, Scitex, TIFF/IT.p1, Delta List), choose the LPI (e.g.: 65lpi, 150lpi, 175lpi) which you wish to see on the proof.**

• Calibration and profiling- The perfect match

TECHNO.lab colour engine.

TECHNO.lab is supplied with a built in automatic calibration software, profiling software and Xrite DTP20 device.
(also compatible with Xrite DTP41 and DTP70)

At the heart of TECHNO.labs ability to create accurate colour matches and reliable proofs is TECHNO.labs colour engine and calibrator. This powerful tool creates the perfect match for your environment repeatedly.

A brief overview of calibration and profile creation.
Step by step easy to use calibration WIZARD.
Just plug in your DTP20 and follow the steps.
Perfect colour for none experts.

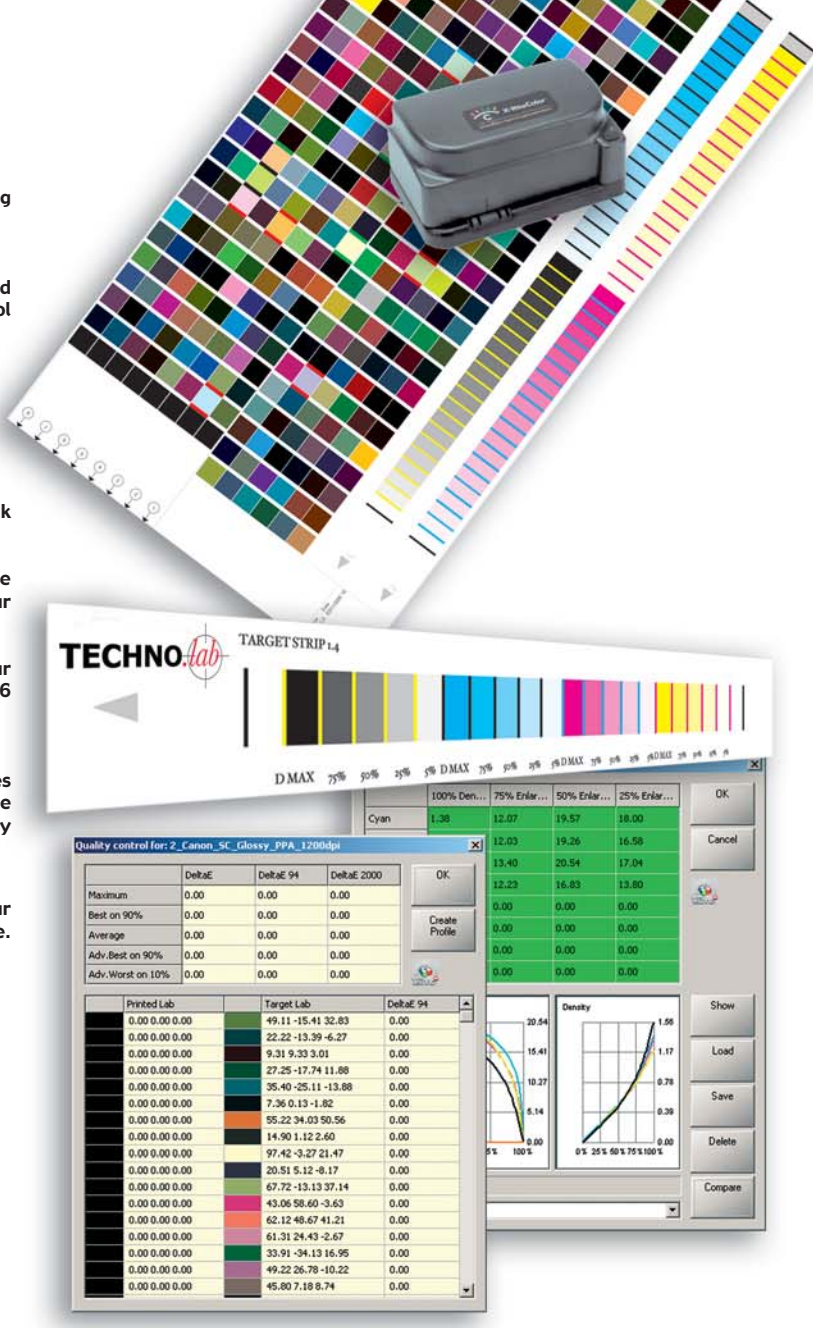
***Skill Strip*–Unique technology which automatically creates the optimum ink droplet size and break point separation between light and dark colours.**

***Target*–The target defines the maximum density and the dot gain which the proofer is to emulate. Working with TECHNO.labs pre defined targets or your own. From this data your linearisation is created.**

***Profile Creation*–TECHNO.lab will automatically send a profile chart to your proofer. By simply following the on screen instructions you will create perfect 16 bit proofer profile.**

***Differential colour matching*– (Automatic colour tuning)**
Delta profiling through differential colour matching automatically compensates for ICC limitations. This final unique step in TECHNO.labs calibration procedure removes the need to tweak profiles manually as with other systems. The fully automatic feature achieves perfect proofs without any guesswork.

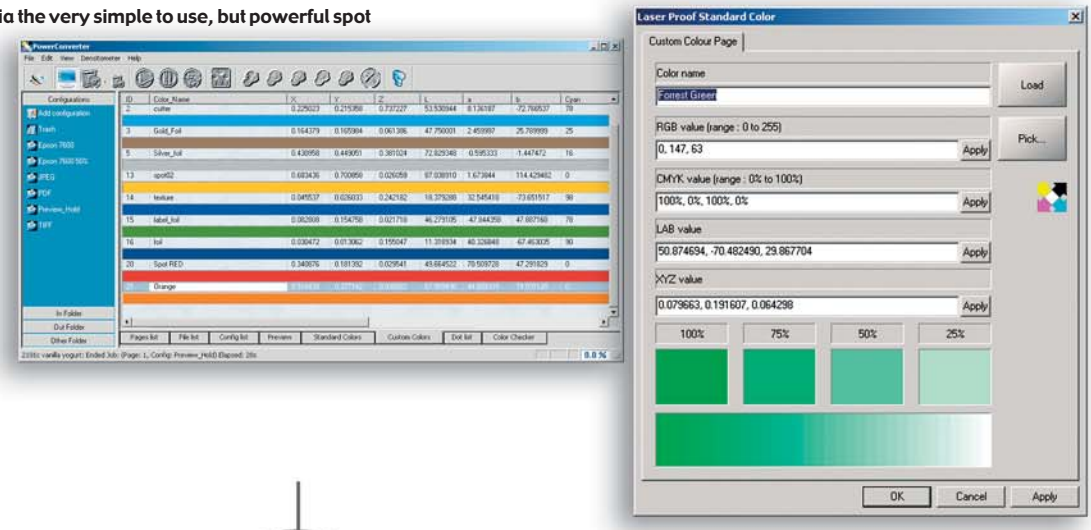
***Quality Control*–Once you have your final result you can read and store your proofers setting. This allows you to run quality control checks at any time. TECHNO.lab will graphically show you if your proofs are in tolerance.**



• Spot colour control

TECHNO.lab uses a separate wide gamut table for the rendering of spot colours. This has no effect on CMYK output as a different calibration is used for these elements. This allows CMYK to be printed with spot colours on the same page without them being compromised .

Full user control over spot colours is via the very simple to use, but powerful spot colour editor.



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Professional contract proofing software

TECHNO.lab includes:

- TECHNO.lab colour engine (Differential colour match calibrator)
- Internal ICC profile generating software
- Calibration wizard
- 16 bit ICC colour engine
- Xrite Spectrophotometer dtp20
- Quality control tools
- PostScript level 3 and PDF 1.5 RIP
- Support for all pre press and imaging formats
- V.P. technology (Remote / Soft proofing software) *
- D.I.P. technology (for data integrity proofing) *
- D.S.P. technology (for dot simulation proofing) *

TECHNO.lab in detail:

• Benefits-The complete colour solution.

TECHNO.lab is the complete colour matching solution.

- Colour server software.
- 16 bit ICC creation software.
- Xrite spectrophotometer DTP20

Simply create proofs that match the environment they are going to emulate, e.g. Web, newspaper, sheet feed, flexo etc. using the world standard ICC colour management system with the unique TECHNO.lab skill strip and differential colour matching calibration technology.

Using TECHNO.labs unique highly accurate Delta e automatic colour calibration process and ICC engine ensures accurate colour from day one and there after. Working with highly accurate Delta e calibration in TECHNO.labs automatic process allows for identical results across multi printer, multi site environments.

Delta profiling through differential colour matching automatically compensates for ICC limitations.

Maximum throughput is achieved due to high speed colour processing and RIP and printing processes working independently.

Quick return on investment.

Works with your existing printer solution and new inkjet technologies.

Integral ICC profile generating software eliminates need for third party software.

• Features

Easy to use interface, with simple preview and drag and drop hot folder technology.

All applications supported; Direct printing from Apple Macintosh and PC work stations.

Integrates with all common pre press workflows.

Unique screening technology gives ultimate smoothness and quality.

Highly accurate 16 bit auto calibration creates linearization to YOUR target density. This fast and easy process can be preformed by none colour specialist.

Full spot colour management. Spot colours are managed and edited in a separate wide gamut colour space, which does not affect the CMYK colour output. Easy user interface allows selective spot colour editing for the perfect match.

RIP once proof many, once the job has entered the system you can create colour accurate hard copy and soft proofs to different medias, printers and formats.

*V.P. (Virtual Proof).Included as standard with TECHNO.lab is a colour correct soft proofing technology. Deliver clients pre ripped and colour managed soft proofs as PDF, JPEG, or TIFF. Available in all versions.

*Fast D.I.P. (Fast Data Integrity Proofs) Input your separated RASTER files (from your CtF/CtP workflow), and produce lightening quick down sampled, de-screened, colour accurate content secure proofs. Available in all versions.

*D.I.P. (Data Integrity Proofs) Input your separated RASTER files (from your CtF/CtP workflow) and SEE YOUR dots and YOUR SCREEN on the proof. With accurate colour. The reproduction of halftone dot structures is linked to the printing devices capabilities, please take advice from your dealer regarding this. Available in TECHNO.lab DOTS products.

*D.S.P. (Dot Simulation Proof). From your continuous tone input (Postscript, PDF, TIFF, Scitex, TIFF/IT.p1, Delta List), choose the LPI (e.g.: 65lpi, 150lpi, 175lpi) which you wish to see on the proof. Available in TECHNO.lab DOTS products.

Multiple printers are supported with TECHNO.lab's additional printer drivers.

• Printer support for:-

Epson 4000, 4800, 7000, 7500, 7600, 7800, 9000, 9500, 9600,9800, 10000,10600
Canon ImagePROGRAF W6400, W8400 (dye or pigment)
HP 750, 1050, 2000, 3000, 5000, 5500
Mutoh 61xx, 81xx
Agfa Sherpa 24, 24m, 43, 54, 62, XL, Sherpamatic
Roland FJ, CJ, SJ, SC ranges
Inov-Media Jet 7 PRO
All GDI windows drivers (windows compatible printers)
PS printers
N.B. As printers manufactures launch new models TECHNO.lab will release new drivers

• Input file formats:-

PostScript level 1, 2, 3 (composite or separated)
PDF 1.2, 1.3, 1.4, 1.5, PDF/X-1a (composite or separated)
Raster PDF formats
EPS
JPEG
TIFF/IT.p1
Scitex CT/LW. nCT/nLW. Handshake
Delta List
ArtQuest IT8
TIFF Grey/RGB/CMYK. Also pre separated 8 bit tiffs
TIFF 1 bit

• Output formats:-

Direct to printer
Softproof formats: PDF, JPEG, TIFF- Standard in all products
PostScript
TIFF/IT. p1. (PRO versions only)
TIFF 1 bit separations with abs screening. (DOTS & PRO versions only)
PDF Raster HighRes. (PRO versions only)

• Minimum PC Specification:-

Intel Pentium 4 or Xeon Processor
512MB RAM, 40GB Hard Disk
10/100 Network, 17" Colour Display
4 x USB Ports
Windows XP, 2000Pro, 2000 & 2003 Server
Optional MacLan required for Apple Macintosh OS9 environments
N.B. Pentium III and AMD processors are NOT supported.

• Profile creation:-

Integral ICC profile generating software eliminates need for third party software. All ICC generation software supported. Supports 8 and 16 bit profiles and device linked profiles.

• Software versions -

TECHNO.lab Graphic Arts - Studio and reprographics
TECHNO.lab Tiffs & Dots- CTP and reprographics
TECHNO.lab Graphic Arts & Dots- CTP and reprographics
TECHNO.lab PhotoPRO- Digital photography

Dealer Information

TECHNO.lab specifications are subject to change without prior notice.
The software carries a 90 day warranty with optional extended support contact.

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