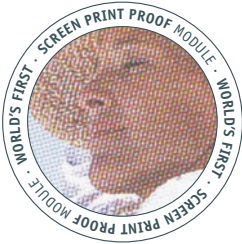


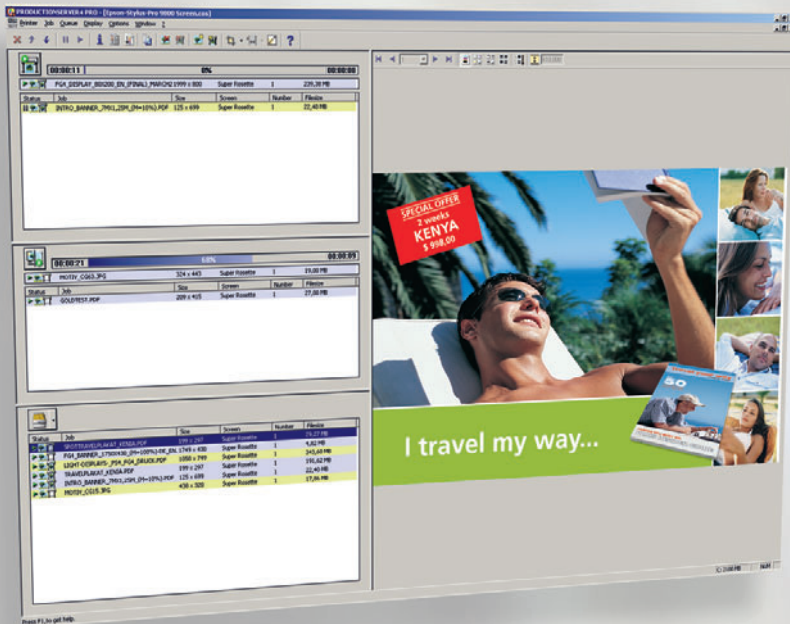
ColorGATE
SYSTEM SOLUTIONS
FOR SCREEN PRINT PRE-PRESS
FILMGATE MODULE · SCREEN PRINT PROOF MODULE · FILMGATE⁴



- Chemical-free film imaging and proofing on Inkjet printers
- Uniquely flexible daylight production
- Perfection in combination with the ColorGATE PRODUCTIONSERVER⁴



ColorGATE



Chemical-free film imaging and proofing on inkjet printers is very simple with ColorGATE - Open job file



Always absolutely clear – control job with preview modes:

- Full-color job preview
- Separations in process color incl. Spot colors
- Separations in halftones
- Output preview

ColorGATE FILMGATE Technology – the ultimate gateway to a completely new

Flexible, affordable film production like never before

The digital ColorGATE screen print world and FILMGATE software technology make it possible faster than you'd ever imagined: creating autotypical film positives for commercial screen or offset printing on inkjet printers. A process that exhibits extremely high density, but uses no chemicals, exposure units or incurs any other investment costs. Extra strong: the FILMGATE Module (can be optionally expanded by adding the world's first screen and color-accurate SCREEN PRINT PROOF Module), the power add-on to the platform-independent center management of the ColorGATE PRODUCTIONSERVER⁴. Proven time after time: FILMGATE⁴, cutting-edge in-house film production as stand-alone software.

FILMGATE – saves time and resources

FILMGATE makes intelligent job management and optimum equipment efficiency a top priority. Simply set the unit to "Container" – a collective printing job of any size – enter the film format, and you're done! FILMGATE then distributes the color separations automatically or freely positioned over the entire width of the medium, a process designed to save material.

FILMGATE – screen problems are history

Highest printing performance or "just perfect quality"? No question for FILMGATE. In keeping with the motto that „easy

handling is the key", the application uses the ideal screen process, calculated for all current screen widths and print series. It is also possible to configure your own sets with individually defined angles and screen widths at any time.

FILMGATE – optimum film quality at the touch of a button

Print once, and be able to do the same again at any time: FILMGATE provides the quality-related parameters for any application (profile, linearization, print mode) as a logical unit in an MIM (Media-Ink-Metamode). This unique technology delivers the greatest production reliability for print jobs and reduces color and output errors to a minimum. Any MIM combination can be freely edited as required.

FILMGATE – impressive color that never ends

Spot colors are required on a regular basis in screen printing. FILMGATE identifies and processes literally anything that comes its way, even composite PDF files. And special algorithms prevent undesirable moiré patterns. The screen setting for any spot color can also be freely defined any way you like.

FILMGATE – always makes things absolutely clear

You think that seeing is believing? Simply alter the separation preview. FILMGATE doesn't leave anyone out in the dark and offers different four modes: "Composite" – full-color job preview, "Separations in process colors" (incl. the display of

Being able to quickly produce...



... Screen and color-accurate small print runs
or
... Digital proofs with **SCREEN PRINT PROOF** Module
or



... Screen and color-accurate film positives on inkjet printers

Screen and color-accurate small print run



Produce perfect stencils/screens with the film positives

New range of services

the CMYK as an alternative for spot colors in separate files), "Separations in halftones" and "Output preview" – the arrangement of the separations on the output medium.

FILMGATE – totally linear

You don't have to be an expert to get exact results with correct linearizations using **FILMGATE**. All the relevant settings are available as MIM combinations. Calibrating the film and printer yourself is just as easy: use the densitometer to measure the linearization wedges on the separations, store the measurements in **FILMGATE**, and that's all there is to it.

FILMGATE – a flexible, open-system

FILMGATE can be used with any system environment (Mac, Windows, Linux, Unix). To do so, **FILMGATE** creates a virtual printer (PortMonitor) that automatically processes incoming jobs. Dynamically generated PPDs make it possible to send all the printing-related parameters plus the MIM combination right along with the printing file, thus reducing the need for hot folders to a minimum.

FILMGATE – PDF/X-1a, of course

Using PDF files in screen print pre-press has now become standard. **FILMGATE** processes composite as well as separate PDF (X-1a) with consistently high process reliability. And that saves you time when you're preparing and processing your data.

ColorGATE SCREEN PRINT PROOF Module

An ace in the hole for the PRODUCTIONSERVER⁴ with the FILMGATE Module

Never before has proofing been so quick, affordable, efficient and reliable. In introducing the world's first **SCREEN PRINT PROOF** Module, **ColorGATE** now offers the missing link in the chain of complete perfection in everyday screen printing.

As an add-on to the **PRODUCTIONSERVER⁴** with the **FILMGATE** Module, the **SCREEN PRINT PROOF** Module smoothes the path to maximum system and production reliability, and allows you to explore completely new business opportunities.

SCREEN PRINT PROOF Module – as innovative as it is versatile

The power of what's possible speaks for itself:

- Digital color proofs
- Digital screen proofs
- Screen and color-accurate digital proofs*
- Digital, color-accurate small print run
- Digital, screen-accurate small print run
- Screen and color-accurate digital prints*
- Screen comparisons
- Angle/moiré control
- Color control

* Simulation of the print results with the accurate screen and color reproduction using the screen print equipment



Customer's printing approval via screen and color-accurate proof



Proof OK - Approved



Proof simulation for 65 lpi (26 lcm)



Proof simulation for 45 lpi (18 lcm)

SCREEN PRINT PROOF Module shows production alternatives directly, e.g. Screen comparisons.



Produce print job



Final Screen print



Screen print with 65 lpi (26 lcm)

Module – the world's first digital screen print proofing

SCREEN PRINT PROOF Module – sounds complicated but it isn't

This is how it works: **PRODUCTIONSERVER⁴** attaches all the production-relevant settings to the job loaded and forwards it to the **FILMGATE** Module to be ripped. **SCREEN PRINT PROOF** Module accepts the RIP data, processes it with the color management of the **PRODUCTIONSERVER⁴** and creates the output file for the screen and color-accurate proof.* That's it.

SCREEN PRINT PROOF Module – makes customers happy

Misprints, customer complaints, long proofing smudges – can be easily avoided. In combination with the **PRODUCTIONSERVER⁴** and the **FILMGATE** Module, the **SCREEN PRINT PROOF** Module delivers a realistic instrument to aid in decision-making. Whether obtaining actual printing approval or even in winning new customers by being able to present an accurate sample beforehand.

SCREEN PRINT PROOF Module – quick return on your investment

Being able to quickly produce film positives, proofs and color-accurate single prints or small print runs, e.g. in reprints, gives you a real competitive edge. And the **SCREEN PRINT PROOF** Module pays for itself quickly by increasing your sales.

SCREEN PRINT PROOF Module – provides for high accuracy

What works, what doesn't? That's hard to say without proofing to film. The **SCREEN PRINT PROOF** Module makes it easy to show production alternatives directly (screen processes, screen ruling, material simulation). Set-up times and material required is reduced to a minimum. Plans to be printed together can be conveniently configured to identify moiré patterns at an early point in time.

ColorGATE SCREENFILM – produce top-class results in-house

The end result is what really counts. And **ColorGATE** can now deliver exactly what you want: **SCREENFILM** is the ideal daylight media for high-end screen printing production. Perfectly coordinated for a smooth digital workflow with all compatible inkjet printers and optimized for **EPSON ULTRACHROME K3**.

* Correct color simulation requires a previously created reference profile with the **ColorGATE REFERENCE PROFILER** Module.



ColorGATE PRODUCTIONSERVER⁴ makes anything possible – platform-independent center management for all LFP applications and printing systems



Happy customers are the best references



Jörn Flottmann

Jörn Flottmann, Managing director at Flottmann Siebdruck-Service GmbH:

*"... In addition to our computer-to-film technology, we use **ColorGATE FILMGATE** and an EPSON Stylus Pro 9600 to produce screen print films in small and medium-sized formats. The obvious advantages of this combination: the quick response times, the inexpensive production and the chemical-free daylight production."*

Andreas Stephan, Business development manager at EPSON Deutschland GmbH:

*"... The unique software takes advantage of the high quality standard of our inkjet printers in order to achieve optimum printing results. You could say that **ColorGATE FILMGATE** transforms our printers into high-end exposure units at an incredible cost advantage."*



Olaf Gorniak

Olaf Gorniak, Trainer for printing technology at Berufsförderungswerk Bad Pyrmont:

*"... In our training courses to qualify participants as screen printers (IHK), we have always used the latest technologies in addition to communicating the basic knowledge of the trade. There is currently a very noticeable trend towards chemical-free film exposure and **ColorGATE FILMGATE** is the undisputed state-of-the-art as far as we are concerned."*

Volker Jungmann, Screen print expert at ESC Europa-Siebdruckmaschinen-Centrum Verwaltungsgesellschaft mbH:

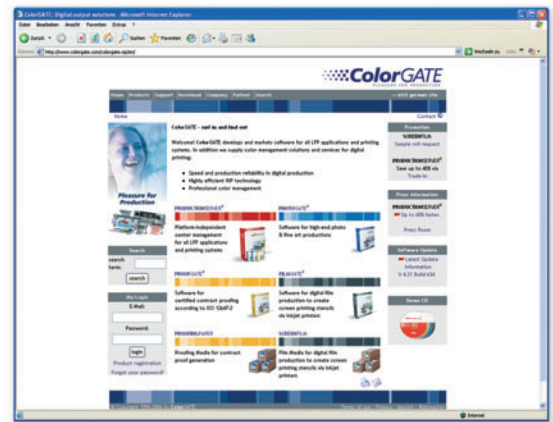
*"... The user is always looking for a product with optimum value for money. Thanks to the modular design and the quality of the **ColorGATE** products, there is no need to look any further. Innovative high-end solutions that pay for themselves within a very short period of time – these are products that can revolutionize the entire industry."*

ColorGATE – surf in and find out

Comprehensive, competent support with short response times during daily production is a top priority at **ColorGATE**. We are happy to support you in optimally integrating your **ColorGATE** software into your production environment and to assist you in the area of color management or profiling.

Welcome to www.colorgate.com! This is where you will find the answers to all your questions. You will also find the most recent download updates for your software and information about the functions in new versions.

Should you have any questions, please don't hesitate to give us a call: +49 (0)511 - 9 42 93-0. We look forward to hearing from you!



ColorGATE – the perfect product for every solution

Take advantage of the additional modules to make the **ColorGATE PRODUCTIONSERVER⁴** as profitable for you as you want:

PHOTO&FINEART Module – Ideal for highly reproducible photo and fine-art productions at any time. Color accuracy, production reliability and performance enhance the efficiency of day-to-day business enormously. Also available as the stand-alone **PHOTOGATE⁴** software.

PRINT&CUT Module – Fast, precise film and contour cut production on your cut plotter. It creates the synchronization marks and controls the automatic detection of position and alignment (assuming the cut plotter supports this function).

PROFILER Module – Complete color control over all print media with individually created ICC profiles. The linearization and profiling assistant guides you through all the relevant settings. The result: Reliably professional MIM combinations (Media-Ink-Metamode).



 **ColorGATE**

ColorGATE Digital Output Solutions GmbH
Göttinger Chaussee 115 · 30459 Hannover · Germany
Fon: +49 (0) 511 - 942 93-0 · Fax: +49 (0) 511 - 942 93-40
E-Mail: contact@colorgate.com · Web: www.colorgate.com



With compliments from your **ColorGATE** Partner