



ColorGATE **PRODUCTION**SERVER⁵

The universal RIP solution for all applications!

- Platform-independent center management for all LFP applications and printing systems
- Color management in high-end quality
- Advanced ergonomic operation
- Automation-capable, future-proof, modularly expandable,
e.g. for film creation, proofing, print & cut, photo & fine art, integrated profiling



 **ColorGATE**

ColorGATE PRODUCTIONSERVER⁵ – for the love of perfection

Reliable technology for more than ten years

Speed and production reliability: those are the decisive factors for perfection in digital printing services today. Already in its fifth generation, **ColorGATE PRODUCTIONSERVER⁵** now offers one of the most flexible and highly productive software products for digital, centrally controlled high-end large-format printing. Equipped with the latest RIP technology (PS, PDF, PDF/X), which is faster than ever before, and the state-of-the-art professional color management you have come to expect of our products.

Thus, **ColorGATE PRODUCTIONSERVER⁵** raises the bar once again in terms of reliable, flawless output and stable, efficient production flows. We guarantee you'll be delighted. And all that includes enhanced user-friendly operation right from the very start.

ColorGATE PRODUCTIONSERVER⁵ makes anything possible
Nothing is impossible:

- Big banner (textile, indoor, outdoor) & contour displays
- Placards, mega posters, billboards, façade advertising
- Vehicle graphics
- Advertising and tradeshow display systems
- Digital proofs, screen printing films
- Photo and fine art prints
- and so much more

It's all in the configuration. And you have a choice of three different **ColorGATE PRODUCTIONSERVER⁵** software packages. Depending on your needs, from the full-feature package to the basic version: **ULTIMATE, PRO, SELECT**. All of which can be easily expanded by adding a number of different options and more than ten different modules. Upgrades from **SELECT** to **PRO** or **ULTIMATE** are possible at any time. Your future-proof production solution could hardly be more flexible than that.

Powerful RIP software
for maximum performance



Textile banner

Bigbanner for façade advertising

Photo print-outs

Vehicle graphics



Support for UV flatbed printers, e.g. for glass or board printing

Functionality that delights professionals and beginners alike

PRODUCTIONSERVER⁵ – at home anywhere

Mac, Unix, Linux, Windows ... **ColorGATE PRODUCTIONSERVER⁵** uses a virtual printer directly from any application, in 17 different languages right out of the box. An additional option for experienced users: generating a dynamic PPD via a RIP server.

PRODUCTIONSERVER⁵ – gets the very best out of any printer

ColorGATE PRODUCTIONSERVER⁵ supports the printing machines made by virtually all of the leading manufacturers. To find the current list, go to www.colorgate.com.

PRODUCTIONSERVER⁵ – teaches itself

Typically **ColorGATE**: As complex as the functions of **PRODUCTIONSERVER⁵** are, it will impress you with its user-friendly interface with the new online help system, intuitive menu navigation and automatic assistants. In almost no time at all, you'll think that you have never before worked with such a productive system.

PRODUCTIONSERVER⁵ – highly reliable quality control

With its new **QUALITY ASSURANCE** Module, **ColorGATE PRODUCTIONSERVER⁵** provides printing services suppliers with a highly effective way to find out whether the poor image reproduction in a printing order is the result of the data supplied or can be blamed on the printer system's deviations from the reference status. In the second case, a Media Device Synchronization (MDS) process can be initiated to reset the system to its original settings, thus guaranteeing consistently high-quality production (also see MDS).

PRODUCTIONSERVER⁵ – helps you to plan the layout

Layout planning without the pocket calculator. That saves you time and material. For small runs of placards or similar jobs in particular, **ColorGATE PRODUCTIONSERVER⁵** takes care of the best possible distribution of the copies on the print sheet for you. All you have to do is to click the mouse.



Digital proofs

Placards & billboards



Supports almost all large and grand format printing systems and many cut plotters.



One solution – countless advantages

PRODUCTIONSERVER⁵ – big enough for any printer

ColorGATE PRODUCTIONSERVER⁵ makes it easy to produce formats that exceed the maximum output width of the printer. “Auto Tiling” is a feature that can be used to segment the file automatically on the basis of the specified paper size; after that, it calculates the individual segment size including the overlap to make subsequent assembly a breeze.

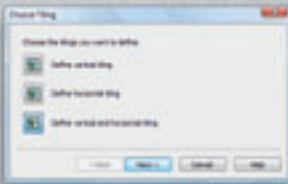
PRODUCTIONSERVER⁵ – High-precision assembly area cutting

Couldn't be simpler: Freely configure the individual segments of a tradeshow booth display wall or a large-format photo during printing so that the pieces can be easily assembled on site.

Not a problem for ColorGATE PRODUCTIONSERVER⁵. Thanks to “Variable Tiling”, all the parameters you need are freely definable – the width and height of a segment, exact size and area specifications or individual overlap areas. The system immediately accepts any changes made in the distribution. And of course, ColorGATE PRODUCTIONSERVER⁵ also automatically prints any cut or overlap marks to make assembly foolproof. Another option: The segments can be distributed over different jobs to save material and then recombined at any time to form one job.



Auto Tiling



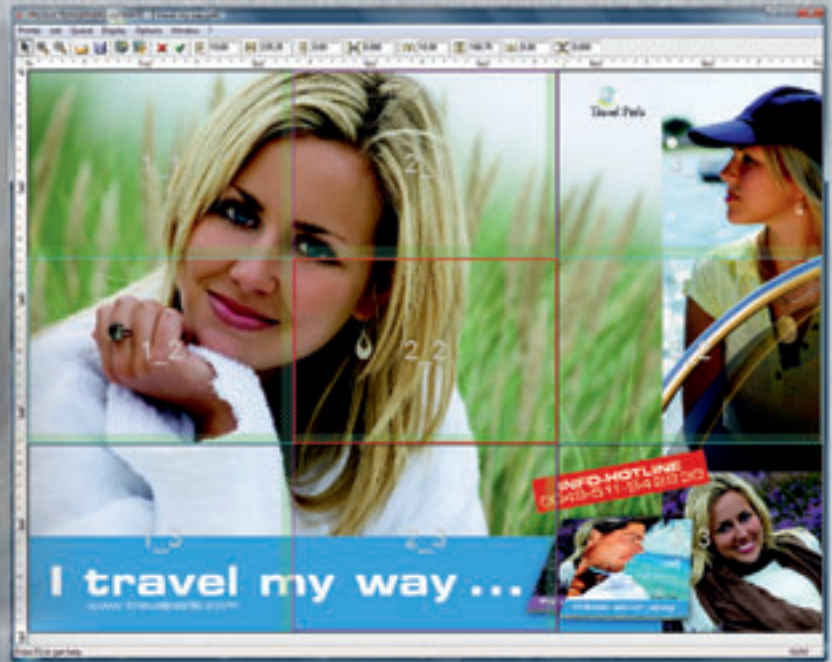
Choose tiling ...



Enter overlaps and distance ...



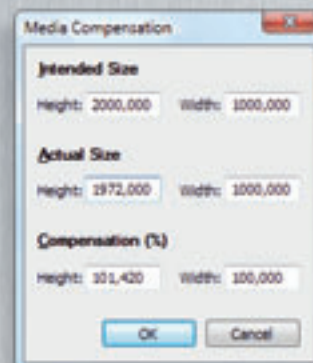
Define tiles ...



... the segments will be calculated accordingly!

PRODUCTIONSERVER⁵ – evens things out

Do your printing results deviate from the format you wanted? No problem. With ColorGATE PRODUCTIONSERVER⁵, you can automatically compensate for any deviations.

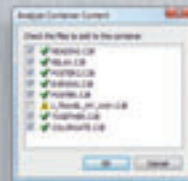
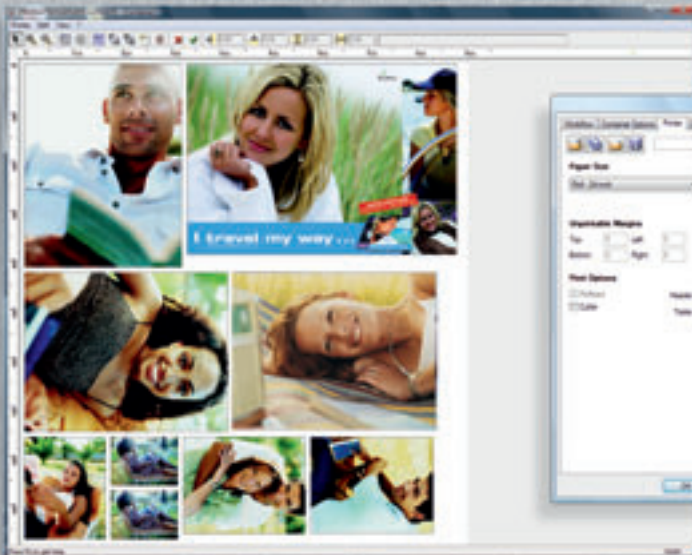


Easily enter desired and actual value; the factor to scale will be determined automatically

PRODUCTIONSERVER⁵ – CONTAINER, the intelligent job manager ... compatible with any application

Optimal print capacity utilization, efficient job control – ColorGATE PRODUCTIONSERVER⁵ manages both. It works like a particularly flexible collective print job: Simply enter the media format, combine as many jobs as you like in one container, and you're done. ColorGATE PRODUCTIONSERVER⁵ automatically distributes the jobs or positions them freely on the print sheet to save material. Experience the versatility of this unparalleled solution at the next live demonstration in your area!

Material and time saving job positioning within the Container



Container analysis

Container settings

PRODUCTIONSERVER⁵ – operates with complete color flexibility

Do you have to print with colors other than the ones stored in the file? ColorGATE PRODUCTIONSERVER⁵ has just the tool you need. The "Color Replacement" option uses any input color you choose in the RGB, spot in CMYK or lab color ranges. Applicable to vectors, raster/bitmap data and text. Also features a directly integrated measurement device. You can create and manage any color replacement tables and correct them interactively for the output. "Preserve pure color" outputs black, CMYK or CMYK-red-green-blue in the pure-color shade without any color mixing. You need to make some last-minute corrections in individual areas? Then use the new "Color Picker", a preview-supported pipette tool for selective color corrections. Digital HKS™ E, K, N, Z and Pantone® color replacement tables are also optionally available.



Select the replacement color by using the Color Picker



Define desired color



Automatic replacement with new color

PRODUCTIONSERVER⁵ – geared to optimal printing quality

Print once, and get exactly the same results again and again at any time: **ColorGATE PRODUCTIONSERVER⁵** saves all the quality-relevant parameters for every job in an editable MIM combination (Media-Ink-Metamode). Not only does this provide great convenience for full production monitoring, it also reduces color and output errors to a minimum. And there's more: the new Media Device Synchronization (MDS) calibrates your output standard (printer, ink, medium) to a reference value. Starting immediately, you can define your quality standard for identical, color-consistent reproductions for top quality and claim another important competitive edge for your business. Converting the ColorEngine from 8 to "16-bit color rendering" makes it possible to produce smooth gradients and noticeably optimizes detail reproduction. Enhancing the quality of your print products in this way will make a very positive impression on your customers.

The assistant-guided and easily to use Media Device Synchronization (MDS)



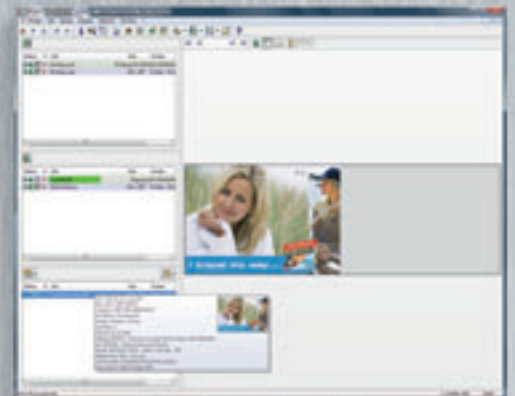
Without MDS: Identical print systems have a different output



With MDS: Identical print systems have exactly the same output!

PRODUCTIONSERVER⁵ – look before you print

Check it out on-screen before you waste a lot of paper. **ColorGATE PRODUCTIONSERVER⁵** gives the experienced eye of a professional the opportunity to carefully check the output. It ensures that the visual and the positioning on the medium are accurate. A number of different modes are available. All of them include a "Preview" with a handy zoom function and the "Softproof preview". It simulates color management to allow you to evaluate printer and simulation color spaces, color correction and grey-scale conversions.



Preview

PRODUCTIONSERVER⁵ – boundless capacity

ColorGATE PRODUCTIONSERVER⁵ makes it possible to operate several RIP processes at the same time for one printing system to make your printing processes even more productive. Additional RIP and printer queues for printing jobs on up to six printers at the same time or an additional printer driver are readily available. Simply ask your **ColorGATE** retailer how you can enhance the performance of your **PRODUCTIONSERVER⁵**.



Highest productivity by having multiple RIP processes

Add-ons give **PRODUCTIONSERVER⁵** more punch

Nowadays, customers have more exacting demands than ever before. Don't worry: **ColorGATE PRODUCTIONSERVER⁵** has the add-ons you need to keep pace with a rapidly changing market. Special solutions and additional services are easy to realize with these system extensions (also see Module brochures).

World innovation

FILMGATE Module / SCREEN PRINT PROOF Module

Screen printing films with autotypical screening for commercial applications. No chemicals, no image setters and no further investment costs needed. The **FILMGATE** Module lets you offer your customers new services immediately. Add the **SCREEN PRINT PROOF** Module – to create raster- and color-accurate digital proofs prior to film production.



PHOTO&FINEART Module

Create photo and fine-art prints in high-end quality: neutral gray-scale images, individual effect toning, exact positioning for framing, color adjustments to compensate for ambient lighting, image series EXIF information. All that and more is provided by the diverse functions available in the **PHOTO&FINEART** Module.



JDF Module

ColorGATE PRODUCTIONSERVER⁵ remote-controlled in the workflow system can be done easily. Immediately after its installation, the integration interface based on the JDF V.1.1 (Job Definition Format) industrial standard provides feedback on how far production has progressed and allows external systems to control the most important **PRODUCTIONSERVER⁵** job parameters.

PRINT&CUT Module

Quick, precise contour cut production on your cut plotter. Thanks to the **PRINT&CUT** Module, it's not a problem. It takes care of the synchronization marks and controls the automatic recognition of position and alignment (as long as the cut plotter supports this function).



PROFILER Modules

Individual profiling directly from the **PRODUCTIONSERVER**⁵, targeted color management instead of expensive trial-and-error concepts, greatest possible media diversity and complete cost control. Five optional Modules (**PROFILER**, **EXPRESS PROFILER**, **MULTI-COLOR PROFILER**, **DEVICELINK PROFILER**, **REFERENCE PROFILER**) make **PRODUCTIONSERVER**⁵ more efficient and profitable than ever before.



PROOF Module

Legally binding digital proofs based on an ISO standard (ISO 12647-7) with an integrated FOGRA media wedge. The **PROOF** Module extension makes it possible: Simply use the spectro to measure the control wedges after printing to check and document compliance with industrial standards.



QUALITY ASSURANCE Module

With its new **QUALITY ASSURANCE** Module, **ColorGATE PRODUCTIONSERVER**⁵ provides printing services suppliers with a highly effective way to find out whether the poor image reproduction in a printing order is the result of the data supplied or can be blamed on the printer system's deviations from the reference status.



Satisfied customers are our best references



Rob Farfort, Director of Data Image, Leicester/UK:

*"... Integrating **ColorGATE PRODUCTIONSERVER⁵** into our workflow was a very productive decision. With its user-friendliness and impressive color accuracy, we are really getting everything possible out of our machines. This gives us a clear advantage over our competitors."*

In its daily business, Data Image utilizes a very diverse range of machines for numerous major customers: Mimaki (JV2/JV3/JV4), Durst Lambda, Vutek (UV Press View/180 UV), Epson (SP 4000/SP 9600). **ColorGATE PRODUCTIONSERVER⁵ PRO** solves the problem of having many different RIPs by offering a central solution. **PROOF, PROFILER** and **FILMGATE** Modules supplement the forward-looking solution of the British digital printing specialists.

Application examples Data Image / Hinrichs FotoFactory



Jens Hinrichs, General manager of Hinrichs FotoFactory/Germany:

*"... The standardization of the operation for all output systems via **ColorGATE PRODUCTIONSERVER⁵** has brought us an enormous productivity increase. Added to that is a clear improvement in quality thanks to the RIP-integrated profiling. The fact that we also have a competent partner for support, training and service saves us a great deal of time, money and stress! ..."*

Hinrichs FotoFactory is a creative large-photo lab unique throughout Europe that specializes in the practical handling of visual communication. The offering ranges from photo series for exhibitions to large images for tradeshow booths, from traditional backlit display boxes to backlit columns, from image processing to image activation. Hinrichs FotoFactory relies on **ColorGATE PRODUCTIONSERVER⁵ ULTIMATE** with **PROFILER, PHOTO&FINEART** and **PRINT&CUT** Modules. The hardware comes from Scitex Grandjet-XL-Jet, Mimaki (JV3 - 250 SP), HP (DesignJet Z-6100, 10000s, 5500) and EPSON (SP 4800).

ColorGATE – surf in and find out

Comprehensive, competent support with short response times in daily production is a 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 most of the answers to any questions you might have. In addition, you'll also find the most recent download updates for your software and information on the features in the new versions.

Should you still have any questions, please don't hesitate to give us a call: +49 (0) 5 11 - 9 42 93 - 0. We look forward to hearing from you!



ColorGATE – the right product for every solution

A number of the **ColorGATE PRODUCTIONSERVER⁵** Modules are also available as stand-alone software packages:

PROOFGATE⁵, the standardized digital proof solution for greater reliability and consistency in proof production. Uniquely user friendly with the licensed FOGRA media wedge for the production of legally binding digital proofs in compliance with the ISO standard (12647-7).

PHOTOGATE⁵, the software for perfectly reproducible photo and fine-art production at any time. Color accuracy, production reliability and performance will significantly increase the efficiency of your daily work.

FILMGATE⁵, the ideal software for commercial and industrial screen printing, advertising and signage, the production of advertising materials and much more. **FILMGATE⁵** transforms inkjet printers into chemical-free film image setters and allows you to be more flexible with in-house film production in the daylight.



 **ColorGATE**

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