



# Film & Repro Solutions

Film sample  
inside



 **ColorGATE**

Innovative Solutions  
Committed to Color

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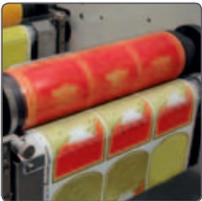
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# Digital film production for flexo-, offset- and screen printing

Since 2003 ColorGATE has been developing and providing RIP software and daylight media specially targeted for chemical-free film production using inkjet printers. These solutions are gathered under the name Film & Repro Solutions.

Coming from the limited production of low resolution film positives only for screen printing, the Film & Repro solutions have developed into the worldwide leading product portfolio for film master production for flexo-, offset- and screen printing.

## Flexo printing



Flexo printing is often used in the packaging printing sector. It is common practice to print on non-absorbing substrates by using screen rulings between 60 lpi up to 150 lpi with partially high increase in dot gains.

- ∴ Labels
- ∴ Continuous- and single forms
- ∴ Packaging materials

## Offset printing



Offset printing stands out by using primarily CMYK process colors with screen rulings from 150 lpi up to 300 lpi. Additionally, offset printing products are typically produced in quite high volumes.

- ∴ Flyer
- ∴ Poster
- ∴ Advertising matter

## Screen printing



Screen printing is known for using screen rulings of up to 85 lpi. Furthermore, the use of spot colors and a wide-range of substrates are two of the main characteristics of screen printing.

- ∴ Poster, banners
- ∴ Textile advertising matter
- ∴ Art prints

# Perfect synergy



## ColorGATE RIP Software, Epson printing systems and CG Media film media

The infographic shows all Epson printing systems supported by Filmgate and Productionserver + **Film and Plate Module (FPM)** for the application of film production as well as the corresponding film media products of the CG Media portfolio.

The combination of the printer and film media results in a quality-/productivity relation, which can be covered by the specific film media, CG Reprofilm HD, CG Screenfilm Waterbased or CG Screenfilm Economy.

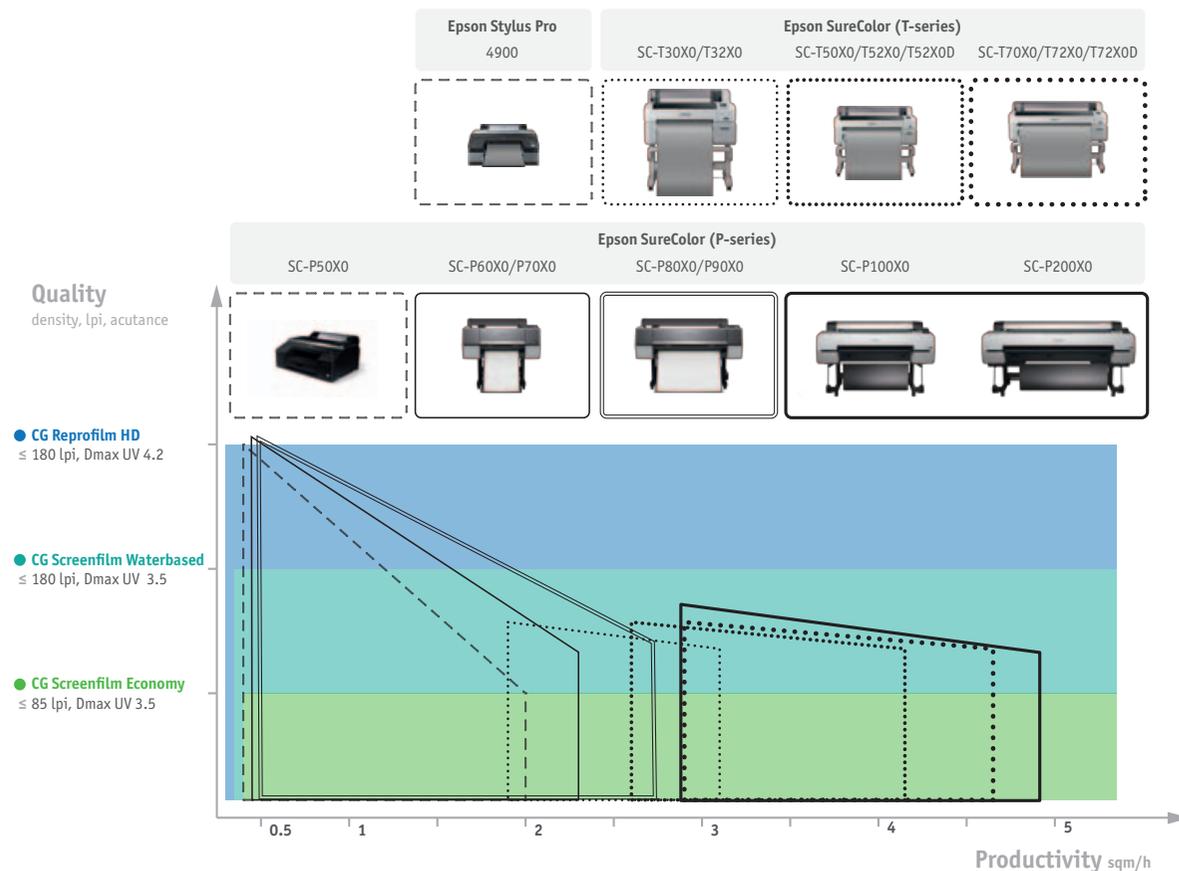
Quality is a combination of the attainable UV density (DmaxUV) and the maximum screen ruling (lpi) with a sufficient acutance of the screen dots.

The Productivity (sqm/h) of a printer can be increased from uni- to bidirectional mode, but this affects the final quality of the acutance.

Our Film & Repro Solutions infographic offers a simple and quick way to find your suitable Epson printer and the corresponding film media product for your individual application:

- ⋆ What maximum media width is needed? (s. table on page 5)
- ⋆ Which density (DmaxUV) is required for your application?
- ⋆ What is the maximum resolution, screen ruling (lpi) for the application?
- ⋆ What are the requirements in terms of productivity (sqm/h)?

In the Film & Repro Solutions portfolio you can find an eligible set of RIP Software, Epson printing system and CG Media film media for all flexo-, offset- or screen printing applications.



More information about the CG Media products can be found on pages 6–7. Our RIP Software solutions, Filmgate and Productionserver incl. **Film and Plate Module (FPM)** can be found starting page 8.

### Table infographic

The table gives you all information about the Epson printing systems concerning the maximum media width and the used print modes as well as the values for quality and productivity measured by ColorGATE\*.

Printer	Max. Print width	Print mode	Quality		Productivity* (sqm/h)	
			Max. Density (DmaxUV)	Max. Line resolution (lpi)		
Epson Stylus Pro	4900	1440x1440 MW0 Uni	3.5	85	1.2	
		1440x1440 MW0 Bi	3.5	85	2.0	
		2880x2880 MW0 Uni	4.2	180	0.3	
		2880x2880 MW0 Bi	4.2	180	0.6	
	7890/7900	24"	1440x1440 MW0 Uni	3.5	85	1.4
			1440x1440 MW0 Bi	3.5	85	2.1
			2880x2880 MW1 Uni	4.2	180	0.3
			2880x2880 MW1 Bi	4.2	180	0.6
	9890/9900	44"	1440x1440 MW0 Uni	3.5	85	1.6
			1440x1440 MW0 Bi	3.5	85	2.6
			2880x2880 MW1 Uni	4.2	180	0.4
			2880x2880 MW1 Bi	4.2	180	0.6
11880	64"	1440x1440 MW0 Uni	3.5	85	1.6	
		1440x1440 MW0 Bi	3.5	85	2.7	
		2880x2880 MW1 Uni	4.2	180	0.5	
		2880x2880 MW1 Bi	4.2	180	0.7	
Epson SureColor	SC-T30X0/T32X0	24"	2880x1440 MWQ Uni	3.5	100	1.9
			2880x1440 MWQ Bi	3.5	100	3.1
	SC-T50X0/T52X0D	36"	2880x1440 MWQ Uni	3.5	100	2.6
			2880x1440 MWQ Bi	3.5	100	4.2
	SC-T70X0/72X0/T72X0D	44"	2880x1440 MWQ Uni	3.5	100	2.8
			2880x1440 MWQ Bi	3.5	100	4.6
SC-P50X0	17"	2880x1440 MW0 Uni	4,1	180	0.9	
		2880x1440 MW0 Bi	4,1	180	1.8	
Epson SureColor Pro	SC-P60X0/70X0	24"	1440x1440 MW0 Uni	3.8	85	1.4
			1440x1440 MW0 Bi	3.8	85	2.3
			2880x2880 MW1 Uni	4.5	180	0.4
	SC-P80X0/90X0	44"	2880x2880 MW1 Bi	4.5	180	0.7
			1440x1440 MW0 Uni	3.8	85	1.6
SC-P100X0	44"	1440x1440 MW0 Bi	3.8	85	2.7	
		2880x2880 MW1 Uni	4.5	180	0.5	
SC-P200X0	64"	2880x2880 MW1 Bi	4.5	180	0.8	
		2400x1200 MW0 Uni	3.3	80	2.8	
SC-P200X0	64"	2400x1200 MW0 Bi	3.3	80	4.9	
		2400x1200 MW0 Uni	3.3	80	2.8	
		2400x1200 MW0 Bi	3.3	80	4.9	

\* All stated values have been ascertained in lab test in connection with ColorGATE RIP software products (Productionserver 10 including **Film and Plate Module (FPM)** or Filmgate 10). To preserve a better overview in the infographic, the depictions of the Epson StylusPro 9890/9900 and 11880 have been consolidated. The Epson SureColor T series was solely used with a resolution of 2880x1440 (uni- and bidirectional). This was due to the high amount of artifacts with a concurrent loss of productivity, when using a resolution of 2880x2880. Therefore, ColorGATE does not recommend this particular resolution.



# CG Reprofilm HD and CG Screenfilm

Perfect daylight media for all applications – specially optimized for Filmgate and Productionserver



As the leading solution supplier for digital imaging solutions and Color Management, ColorGATE consistently focuses on meeting all the technical and application-oriented challenges in relations to print heads, inks, media and digital controlling. Our goal: Excellent print results for the required application.

Under the seal of quality CG Media, we offer special products, of which some are exclusively manufactured by selected partners according to our specification for ambitious users to ensure a consistently high production quality.

## CG Reprofilm HD

The ColorGATE Reprofilm HD is a high end film that ensures optimal results for almost every reproduction method. Excellent print results with UV densities exceeding 4.0\* are possible, without any loss of quality. Furthermore, the CG Reprofilm HD is equipped with a special coating that is able to absorb a maximum amount of ink by rapidly sealing the film. The matting will prevent any sticking of the media, so that even sensitive emulsions can be processed despite higher printing speeds and shorter drying times.

### Product specifications

- Material: transparent polyester film for dye and pigment inks, backed with anti-static coating
- Thickness: 170 microns
- Weight: 210 g/m<sup>2</sup>
- UV density\*: DmaxUV >4.0; DminUV 0.11
- Maximum resolution\*: 180 lpi
- Optical density\*: DmaxOPT 2.2 up to >3.0

## CG Screenfilm Waterbased and Economy

CG Screenfilm Waterbased is the perfect daylight medium for high-end screen-print production and is able to deal with even large ink amounts. The special coating ensures excellent UV densities up to 3.5\*. In addition, CG Screenfilm Waterbased exhibits an impressive vacuum behavior and perfect compatibility with all popular screen-print emulsions.

CG Screenfilm Economy can be produced at significantly lower cost due to its lesser thickness and thinner coating.

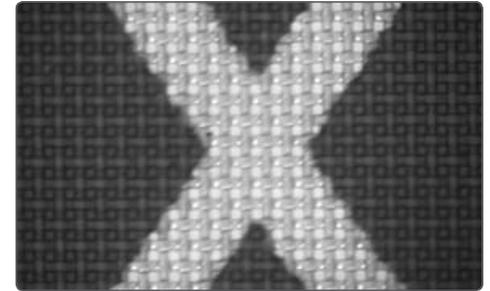
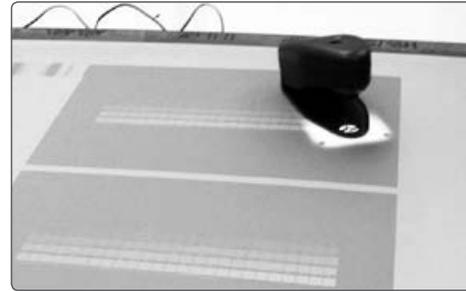
### Product specifications

- Material: transparent polyester film for dye and pigment inks, backed with anti-static coating
- Thickness: 170 microns (Economy: 150 microns)
- Weight: 210 g/m<sup>2</sup> (Economy: 175 g/m<sup>2</sup>)
- UV density\*: DmaxUV 3.5; DminUV 0.13
- Maximum resolution\*: 180 lpi (Economy: 85 lpi)
- Optical density\*: DmaxOPT 2.7

\* All stated values have been appraised in laboratory tests using the respective film on a recommended Epson inkjet system. Used inks: Ultrachrome HDR, K3, XD. Software: Filmgate 10 and Productionserver 10 + Film and Plate Module (FPM). See also infographic and table on page 4–5.

## Get more from your inkjet printer

So simple and such a time saver: CG Reprofilm HD and CG Screenfilm Waterbased are fully compatible with almost all inkjet systems and can be easily printed using original inks with no risk of compromising manufacturer's warranty. With no need for chemicals, after drying the film is ready to be exposed immediately.



### A perfect fit

No slippage, thanks to its outstanding material properties, CG Reprofilm HD and CG Screenfilm Waterbased are perfectly suited to be processed on your inkjet printer. Exact media feeding and an antistatic back coating ensure optimal dimension accuracy. These are optimal prerequisites for perfect print registration.

### As tough as they come

CG Reprofilm HD and CG Screenfilm Waterbased are also designed to accommodate the tough demands of everyday production printing. The printed material dries incredibly fast and is scratch-resistant, water-resistant and extremely hard-wearing with great dimension stability.

### Perfect processing

CG Reprofilm HD and CG Screenfilm Waterbased are also able to handle large quantities of ink. The special coating of the CG Reprofilm HD provides for excellent UV densities between 3.5\* and 4.5\*. In addition, both films are impressive with their outstanding vacuum behavior. The results: uniform ink laydown, highly detailed resolution, excellent acutance and precise flatness.

### Excellent Acutance

Perfect exposure for accurately screened dots and razor sharp line artwork: CG Reprofilm HD and CG Screenfilm Waterbased are providing a high quality with every batch. This leads to consistently high printing quality and excellent processing properties.

#### CG Reprofilm HD\*\*

article number	article name
002-803-004-017	CG Reprofilm HD 17" roll x 30m
002-803-004-024	CG Reprofilm HD 24" roll x 30m
002-803-004-044	CG Reprofilm HD 44" roll x 30m

#### CG Screenfilm Waterbased\*\*

article number	article name
002-802-001-017	CG Screenfilm Waterbased 17" roll x 30m
002-802-001-024	CG Screenfilm Waterbased 24" roll x 30m
002-802-001-044	CG Screenfilm Waterbased 44" roll x 30m
002-802-001-060	CG Screenfilm Waterbased 60" roll x 30m
002-802-001-063	CG Screenfilm Waterbased 63" roll x 30m

#### CG Screenfilm Economy\*\*

article number	article name
002-802-002-017	CG Screenfilm Economy 17" roll x 30m
002-802-002-024	CG Screenfilm Economy 24" roll x 30m
002-802-002-036	CG Screenfilm Economy 36" roll x 30m
002-802-002-044	CG Screenfilm Economy 44" roll x 30m
002-802-002-060	CG Screenfilm Economy 60" roll x 30m

\*\* Additional roll sizes are available on request.



# Filmgate

## Worldwide leading RIP Software for chemical-free film production



Filmgate 10 is the worldwide leading RIP software for chemical-free film production using inkjet printers for flexo printing, offset printing and screen printing in high-end quality.

- Solution for comprehensive prepress using digital printing systems
- Consistently reproducible results and maximum reliability in the production process due to unique ColorGATE MIM (media ink metamode) technology\*; MIM's are available for all supported Epson printers and several other printing systems
- Reliable end-to-end processing of composite PDF (PDF/X4, X5) as well as separated PDF files
- Predefined screening sets and linearizations for all popular inkjet printer series and screen rulings (up to 180 lpi)
- Innovative, integrated screening technology for almost any application areas
- Full support of an unlimited amount of spot colors; individual sets and screening settings also definable for spot colors
- Highly efficient ICC color management for color-correct In-RIP separation
- Since Version 10.10 Filmgate includes the newest Adobe PDF Print Engine (APPE) in its basic product range



<b>+ Output Management Set(s)</b>
Container +
<b>10 Adobe PDF Print Engine</b>
5 Hotfolder
<b>Filmgate 10</b>



### Multi Host License (MHL)

The new ColorGATE Multi Host License (MHL) offers a plus of flexibility for your RIP Software with a simple and simultaneously secure licensing system. With MHL you are able to use your RIP Software on several systems (hosts) at the same time.



### Single Host License (SHL)

The ColorGATE Single Host License (SHL) covers all well-established benefits of a simple and secure licensing process for a single license, which can be installed and used on a single system only.

Further information about our licensing model can be found on our website.



### Output Management Set (OMS)

Product configuration with Output Management Sets (OMS) provides considerable flexibility. OMS enables a variable, and thus optimal, configuration with respect to the type of printers as well as to the scope and size of the production environment.

Filmgate OMS consists of the following components:

- A printer driver, available in the categories S, M, L or P
- CG Process: In the RIP process, PostScript, PDF and raster formats are converted into system-specific screen/raster data for output on printing systems.
- With one Hotfolder and one Queue each

Starting with version 10.10 Adobe PDF Print Engine (APPE) is included in Filmgate basic products and therefore separated from OMS sets.



## Value Pack

Value Pack is a software maintenance and support contract available with all ColorGATE software solution. It offers a long-term security for your investment in Filmgate. In the yearly fee all updates and upgrades (major upgrades included) are included so your RIP Software is always up-to-date. Furthermore, all Value Pack licensees will receive preferred treatment in an event of support issues (remote support included), as well as additional benefits when extending your ColorGATE system environment.

## Job Management Module



### In-RIP-Trapping Module (TRAPM)

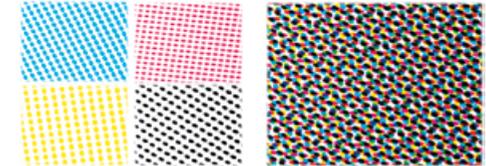
TRAPM ensures elimination of flashes in the print image due to process-related registration errors in multi-color printing, which can occur during printing process.

Just 5 steps to your ColorGATE RIP Software package!

ColorGATE provides four different screening technologies with distinctive benefits for the individual needs of end users.

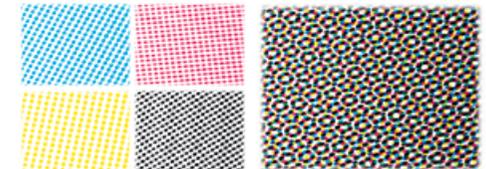
### Custom Screen

High flexibility is one of the key advantages of this AM screening. The end user can define individual screen angles and frequencies as well as dot shapes. Quick adjustments to any requirement up to 120 lpi can be applied easily.



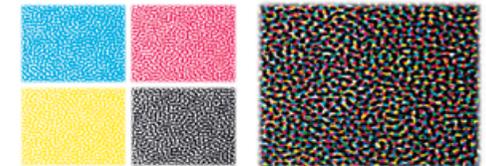
### Super Rosette 2

This screening utilizes a supercell technology to match top quality requirements. The resulting screen angels are extremely precise which lead to an accurate and uniform print quality with screen rulings up to 180 lpi.



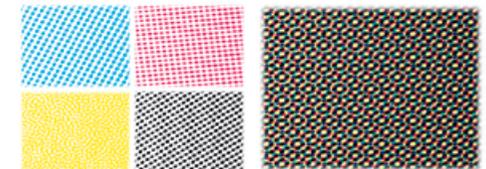
### Frequency Screen

Frequency Screen, an FM-stochastic screen, provides excellent properties to avoid moiré effects completely. A modern and efficient algorithm distributes the screen dots in an optimal way. Additionally, the size of the FM-dot in the range between 50µm and 220µm is freely selectable, which allows an adjustment of the screen to the respective process. So even large-meshed screens can be used for printing FM screens. Result: low noise prints without any interference patterns.



### Hybrid Screen 2

Hybrid Screen 2 combines the line accuracy and homogeneity of the Super Rosette 2 technology and minimizes at the same time the risk of moiré effects. The operator remains fully flexible in assigning color planes to AM- or FM-stochastic screening.





# Productionserver

## Combines digital and conventional production methods in one comprehensive RIP Software

Adobe PDF Print Engine 4

By choosing the Productionserver, users of conventional printing techniques are able to obtain added value of digital print production in terms of its ability to produce short print runs as well as single prints.

Productionserver equipped with the **Film and Plate Module (FPM)** enables film printing and in addition digital proofing, as well as the broad field of digital production printing.

Further benefits:

- Consistent user interfaces for analog and digital prepress reduce labor costs and increase flexibility at the same time
- Fast familiarization with the control scheme lead to a positive learning curve effect for the adoption of upcoming digital production methods, minimizing start-up and changeover costs
- Productionserver is the comprehensive standard solution for almost all the print systems of leading manufacturers and various applications

### PS10 Flex-Line

**Flexible RIP software designed to meet individual requirements and highest demands on quality**

Productionserver provides access to implement highly efficient, digital print & proofing workflows by its modular and flexible design. Excellent color management for optimal color reproduction with neutral grey tones, natural skin tones and brilliant colors are based on the unique recalibration technique: Media Device Synchronization (MDS). Furthermore, Productionserver is capable of a standard compliant production according to international standards such as ISO 12647, G7 and Process Standard Digital (PSD).



#### Multi Host License (MHL)

The new ColorGATE Multi Host License (MHL) offers a plus of flexibility for your RIP Software with a simple and simultaneously secure licensing system. With MHL you are able to use your RIP Software on several systems (hosts) at the same time.



#### Single Host License (SHL)

The ColorGATE Single Host License (SHL) covers all well-established benefits of a simple and secure licensing process for a single license, which can be installed and used on a single system only.

Further information about our licensing model can be found on our website.



### Value Pack

Value Pack is a software maintenance and support contract available with all ColorGATE software solution. It offers a long-term security for your investment in Productionserver. In the yearly fee all updates and upgrades (major upgrades included) are included so your RIP Software is always up-to-date. Furthermore, all Value Pack licensees will receive preferred treatment in an event of support issues (remote support included), as well as additional benefits when extending your ColorGATE system environment.



Combined with the **Film and Plate Module (FPM)** the Productionserver becomes the ideal all-in-one solution for the digital film production as well as for the color print production on capable inkjet systems. So, Productionserver gains from the FPM the complete range of functions of Filmgate.



## Output Management Set (OMS)

Product configuration with Output Management Sets (OMS) provides considerable flexibility. OMS enables a variable, and thus optimal, configuration with respect to the type of printers as well as to the scope and size of the production environment.

- Productionserver OMS consists of the following components:
- A printer driver, available in the categories Cat1, Cat2 or Cat3
- CG Process: In the RIP process, PostScript, PDF and raster formats are converted into system-specific screen/raster data for output on printing systems.
- With one Hotfolder and one Queue each

Starting with version 10.10 Adobe PDF Print Engine (APPE) is included in Filmgate basic products and therefore separated from OMS sets.

### Ink Saver Technology – Less Ink Same Quality

With Ink Saver, up to 30% of ink consumption and therefore printing costs can be saved without any visible loss of quality. For Productionserver, OMS are available with or without the successful ColorGATE Ink Saver technology.

### Output Management Sets (OMS)



Configure RIP software online!

+	Output Management Set(s)
	Container +
	Tiling
	Color Replacement
	Media Device Synchronization
10	Adobe PDF Print Engine
	5 Hotfolder
10	1x RIP Prozess
	<b>PS10 Select</b>

+	Output Management Set(s)
	Photo FineArt
	Linearization Assistant
	Quality Assurance
	Cost Calculation
	Container +
	Tiling
	Color Replacement
	Media Device Synchronization
10	Adobe PDF Print Engine
	10 Hotfolder
10	2x RIP Prozess
	<b>PS10 Pro</b>

+	Output Management Set(s)
10	Job Backup
	Access Control
	Color Atlas
	TVI Calibration
	Express Profiler
	Profiler
10	Print and Cut
	Photo FineArt
	Linearization Assistant
	Quality Assurance
	Cost Calculation
	Container +
	Tiling
	Color Replacement
	Media Device Synchronization
10	Adobe PDF Print Engine
	20 Hotfolder
10	4x RIP Prozess
	<b>PS10 Ultimate</b>

+	Output Management Set(s)
	Reference Profiler
	Trim Nesting
	Device Link Profiler
	Proof Standard Digital
	Multicolor Profiler
10	Job Backup
	Access Control
	Color Atlas
	TVI Calibration
	Express Profiler
	Profiler
10	Print and Cut
	Photo FineArt
	Linearization Assistant
	Quality Assurance
	Cost Calculation
	Container +
	Tiling
	Color Replacement
	Media Device Synchronization
10	Adobe PDF Print Engine
	40 Hotfolder
10	8x RIP Prozess
	<b>PS10 Campaign Printing</b>

The concept of the PS10 Flex-Line is, that the range of functions increases with next higher product, which means that each more comprehensive product includes all the features of the previous. An upgrade (inter version) is possible at any time.

## Optional Modules for Productionserver

The following overview states a selection of modules, which are useful and commonly used in Film & Repro applications.

### Job Management



#### Computer to Screen Module (CTSM)

The CTSM produces high-quality 1-bit TIFF-data in all required resolutions, also considering CtS-application-specific requirements. Applying computer-to-screen process, the printing layout is transferred directly from the digital printing data onto the screen by using an inkjet printer or laser exposure. This stencil procedure makes the screen printing process much faster, more productive and more profitable.



#### Film and Plate Module (FPM)

The Film and Plate Module (FPM) complements ColorGATE RIP software Productionserver with the functional range of the worldwide leading RIP software Filmgate for chemical free film production with inkjet printers for flexo-, offset- and screen printing in high-end quality, as well as with the complete range of functions of Plategate for the chemical free plate production.



#### In-RIP-Trapping Module (TRAPM)

In-RIP-Trapping Module ensures elimination of flashes in the print image due to process-related registration errors in multi-color printing, which can occur during printing process. In order to counter these misalignments, In-RIP-Trapping Module enables overfilling or under filling of adjacent image elements.



#### Job Backup Module (JBM)

The JBM enables archiving of single print jobs – if desired including all job specific settings (e.g. profiles and print data) – to a freely definable directory. At a later time these jobs can be reproduced on the same or on another printer using the original settings.



#### Proof Standard Digital Module (PSDM)

The PSDM, formerly Proofgate Module (PGM), enables contract proofing according to international color standards such as ISO standard 12647-7 as well as according to the reference level of FOGRA 39. The control wedge evaluation process has been adjusted to the ProcessStandard Digital (PSD) specifications. The Proof Standard Digital Module adds the complete range of Proofgate functions to Productionserver.



#### Repro Proof Module (RPM)

The RPM, formerly Screen Print Proof Module (SPPM), enables color and screen/ dot-accurate digital proofs with appropriate inkjet printers that simulate the print result of screen printing machine. In this manner it is possible to control print results before printing and to use the proof as an approval tool. RPM's uniqueness is the ability to reproduce accurate colors and screened dots at the same time.



#### TVI Calibration Module (TVICM)

The TVICM complements the existing color management tool sets with the tonal value correction (TVI) well known from ISO 12647-2 used in offset printing. Analog to offset printing standard compliant print results can be achieved by using dot gain correction, standard ink and matching a paper specific TVI target. TVICM offers the possibility to calibrate conventional printing presses in heterogeneous production environments via tonal value correction.

*"We are continuously broadening the choice of print products for our customers. The application oriented modules for Productionserver have served us several times to simplify optimize our production workflow."*

**Mahesh B.,**  
All About Printing





## Productionserver Special Editions

Especially for screen and flexo printing, ColorGATE has two Special Editions on offer. These two Editions have been designed and developed using our longstanding experience in the field of digital film production. They are equipped with all necessary modules and extensions, with a price advantage compared to an individual configuration.

<b>PS-Cat1-OMS</b>
<b>PS-Cat3-Ink Saver-OMS</b>
<b>Film &amp; Proof</b>
1-Bit-TIFF Input
Trim Nesting
Proof Standard Digital
<b>10 Job Backup</b>
Color Atlas
Profiler Suite
<b>10 Print and Cut</b>
In-RIP Trapping
Film and Plate
Photo FineArt
Linearization Assistant
Quality Assurance
Cost Calculation
Container +
Tiling
Color Replacement
Media Device Synchronization
<b>10 Adobe PDF Print Engine</b>
40 Hotfolder
<b>10 8x RIP Prozess</b>
<b>PS10 Flexo-Packaging Edition</b>

**PS10 Flexo-Packaging Edition** is targeting packaging design and packaging printing. A comprehensive software solution for proofing, flexo film production as well as for digital production printing.

<b>CTS/CTP Tiff Driver</b>
TVI Calibration
Computer to Screen
In-RIP Trapping
Film and Plate
Photo FineArt
Linearization Assistant
Quality Assurance
Cost Calculation
Container +
Tiling
Color Replacement
Media Device Synchronization
<b>10 Adobe PDF Print Engine</b>
20 Hotfolder
<b>10 3x RIP Prozess</b>
<b>PS10 CTS Edition</b>

**PS10 CTS Edition** is the perfect RIP Software solution to prepare print data for computer-to-screen systems (CTS). The focus lies on the used screening technology to achieve the highest possible stencil quality. These stencils increase the printing quality of the screen printing process enormously. Additional software features are helping to control the full process to optimize productivity.

*"We are a full service provider of food and nonfood packaging for manufacturers of branded goods. Our customers expect brilliant and impressive print results regardless of packaging material or colors used. Today, flexo printing is mainly used for packaging printing. We realize exact reproductions of corporate designs at high level of quality and best color consistency. We would like to expand our range of services and therefore we are looking for digital printing solutions, we can use for creation of packaging prototypes and short runs. The solution must be able to integrate seamlessly into our existing workflow and include features for printing with effect colors such as varnish, white or metallic."*



**David F.,  
The Packaging  
Printing Company**

# Film & Repro Solutions – References

Adcoproducts, Great Britain – Aelen en van Leeuwen, Netherlands – Artisan Complete, Canada – AT&S, Austria – BIC Graphic Europe, Spain – Blase Siebdruck, Germany – Celloglas, Great Britain – Centro Grafico, Italy – Comproespacios, Mexico – Continental, Germany – CPC, Israel – CSW Graphics, USA – Druckpunkt, Germany – Eurokera, France – FERAPPI Industria Serigrafica, Italy – Flexo, Italy – GFV – Verschlussstechnik, Germany – Giesecke & Devrient, Germany – Hochschule der Medien, Germany – HTM Sport, Czech Republic – Imaba, Netherlands – Innique, Switzerland – Karl Meyer, Switzerland – Kilian Industrieschilder, Germany – Kroschke sign-international, Germany – Kunstakademie Düsseldorf, Germany – Matthias Wetzel Industriebeschreibungen, Germany – MC Flock, Germany – Mccoy, USA – Mekoprint, Denmark – Metafas, Netherlands – Miele, Austria – Modernistic, USA – New Albea, Germany – OTM, Belgium – Plusprint, Germany – Press Glass, Poland – PRP Flexo, USA – Pure Innovation, Great Britain – Rastal, Germany – RosSPORT, Russia – Rüsch-Druck, Switzerland – SCA, France – Schilder Gerlach, Germany – Schurter Input Systems, Switzerland – Sericum, Spain – Serivid Trade, Spain – Signum Siebdruck, Austria – Silhouette, Austria – SKI Rossignol, France – Stema Specialtryck, Sweden – Strate-Druck, Germany – Trico, Great Britain – Werner Achilles, Germany – Westrock Candiac, Canada – Wilhelm Grewe, Germany – Willson&Brown, Poland – Zwiesel Kristallglas, Germany

*“Green printing and flexibility become more and more important. We produce our films in high-end quality securely in-house and in an entirely chemical-free daylight production on inkjet printers.”*

**Joanne D.,  
Universal Color  
Experts**





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