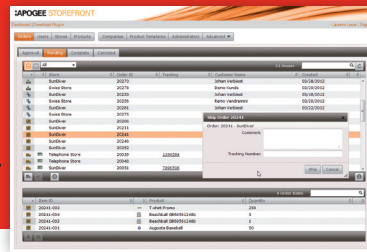
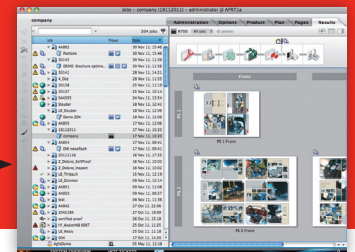




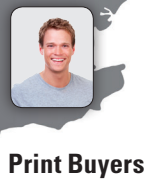
Storefront
The web-to-print store



StoreCenter
Managing stores & orders



Apogee Prepress
Processing print orders



Print Buyers

Expand Your Customer Reach

:Apogee StoreFront gives you a versatile tool that allows you to provide added value to a wide range of customers. You can create multiple, customized web-to-print stores for different types of business customers. The easy to use stores will appeal to marketing managers, creative directors, retail managers as well as small business owners and franchisees. :Apogee Storefront allows them to set up an internal approval cycle for all purchases and track the stock levels of marketing collateral. It allows you to easily monitor orders and streamline the fulfillment process. It's the ideal way to build loyalty and attract new customers. With :Apogee StoreFront, you can also set up a public storefront. When customers purchase products online, they can pay using a wide range of credit and debit cards, thanks to the integration of a Payment Gateway Service. Public storefronts allow you to extend your geographic reach and expand your customer base.

Increase Revenue

:Apogee StoreFront is suitable for a wide range of print applications. The integrated Online Editor makes it easy for print buyers to personalize print or to translate or regionalize documents — business cards, stationery, data sheets, newsletters and more. You can offer pre-designed publications, such as brochures, catalogs, books or posters and print on demand or deliver from stock. Print buyers can choose and customize a template or upload their own file for printing. With :Apogee StoreFront you're not limited to print products. You can increase revenue even more with products such as pens, display racks and presentation materials.

Streamline Your Workflow

:Apogee StoreFront connects seamlessly with the :Apogee Prepress workflow system. :Apogee Manage and Integrate v8 automatically download and process online orders. Thanks to support for PDF and JDF, :Apogee StoreFront will integrate just as easily with other print production systems and RIPs. Agfa's use of open standards such as JDF and PDF guarantees an optimal data flow that is both productive and future proof.



The screenshot shows the Apogee StoreFront dashboard. The main section displays order statistics:

Order Status	Orders	Order Items
Incoming:	5	7
In Production:	5	20
To be Shipped:	4	25
Shipped (Last 24h):	3	11

On the right, there is a 'Recent Orders' table:

Store	Order ID	Customer Name	Created	Items
SunDiver	20332	Ray Lloyd	04/18/2012	3
SunDiver	20331	Toshiharu Ishida	04/18/2012	4
SunDiver	20329	Kris Wilcox	04/18/2012	5
Blue Cat	20318	Marco Spalletti	04/17/2012	6
SunDiver	20311	Johan Verbiest	04/17/2012	3
Swiss Store	20310	Flemming Thorup	04/17/2012	1
SunDiver	20307	Francois Lebleu	04/16/2012	2
Blue Cat	20306	Ann Dixon	04/16/2012	3
SunDiver	20305	Barbara Cooper	04/13/2012	2
Swiss Store	20302	Manfred Eichlepp	04/12/2012	3
SunDiver	20298	Remo Vendramini	04/11/2012	4
Swiss Store	20297	Joan Banks	04/11/2012	1

Features and Benefits

Software as a Service (SaaS)

Because :Apogee StoreFront is cloud-based, there is no need to invest in servers, software, database applications or an expensive symmetrical internet connection. This not only reduces costs but it also decreases time-to-market.

Easy to use

Because :Apogee StoreFront is so easy to use and simple to navigate, it makes purchasing online a pleasure. It meets, and exceeds, all print buyers expectations. The end result — faster adoption rate and happier customers.

Easy to manage

Setting up stores is easy with :Apogee StoreFront. It also allows you to easily manage your product offerings and keep track of orders. The Dashboard provides instant feedback about incoming orders and the status of orders that are in progress. Existing staff, prepress or customer service representatives, can easily manage :Apogee StoreFront so there's no need to hire new people or invest in training on HTML or scripting.

Set up multiple stores

:Apogee StoreFront allows you to create multiple storefronts, each of them targeting a specific customer, market or type of products. This makes it a more cost efficient solution than competitive solutions that support just one single store.

Support for multiple languages and currencies

The web doesn't have boundaries, so why should a web-to-print solution be limited to a single language or currency? :Apogee StoreFront supports a wide range of languages, with more being added on a regular basis. Product prices can be defined in a number of currencies. This is essential for e-commerce solutions created for international corporations.

Powerful Online Editor

The Online Editor lets print buyers design or edit their own documents. Occasional users will appreciate the easy-to-use forms that allow them to personalize pre-defined business cards, letterhead or other business documents. Power users will like the advanced editing capabilities for creating or adapting visually rich, multi-page publications. With the Online Editor, print service providers can offer their customers an innovative way of creating personalized print.

Seamless integration with :Apogee Prepress

While orders from :Apogee StoreFront can be processed using any print production system, the web-to-print system really shines when combined with :Apogee Prepress 8. This workflow automatically downloads and processes orders. This increases efficiency by saving time and avoiding double data entry.

:APOGEE PORTAL

:APOGEE STOREFRONT

Specifications

Supported browsers

- For print buyers: Internet Explorer 8 or higher, FireFox 10 or higher, Chrome 15 or higher, Safari 5 or higher. To personalize documents, the browser needs to support Flash version 10.2 or higher.
- For administrators: FireFox 10 or higher.

Minimum bandwidth for print buyers

4 Mbit/s downstream & 1 Mbit/s upstream. A faster connection is recommended for working with large documents.

Types of products

- Uploadable: The buyer supplies a file.
- Customizable: The buyer edits a templated layout.
- On Demand: The product is printed upon purchase.
- From Stock: The print or non-print product is delivered from the warehouse.

File formats

- Print buyers can upload PDF, JPG and TIFF files.
- For creating customizable documents, the :Apogee StoreFront Converter plug-in can be used to adapt existing Adobe InDesign CS5 or CS5.5 or CS6 documents. The plug-in supports the use of TrueType and OpenType fonts. It is available for both Mac and Windows.

Languages

- For print buyers: Czech, Danish, Dutch, English, Faroese, Finnish, French, German, Italian, Norwegian, Polish, Portuguese (Brazil), Spanish and Swedish
- For administrators: Czech, Dutch, English, French, German, Italian, Polish and Swedish

Currencies

American Dollar, British Pound, Canadian Dollar, Czech Koruna, Danish Krone, Euro, Hungarian Forint, Norwegian Krone, Polish Zloty, Romanian Leu, Swedish Krona, Swiss Franc

Payment gateways

Ogone (<http://www.ogone.com>)

PayPal (<http://www.paypal.com>)

Shipment tracking

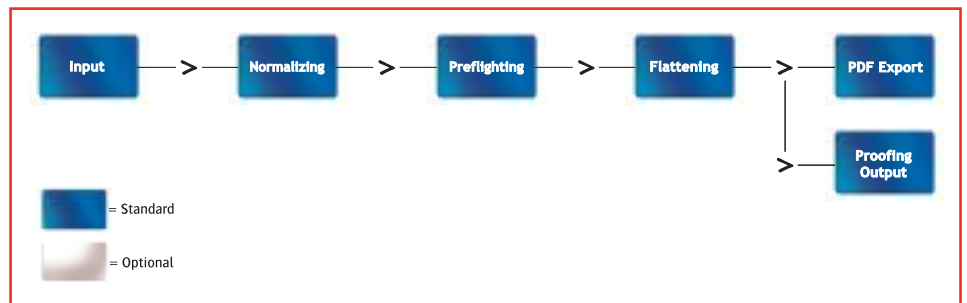
Tracking is supported for Canada Post, DHL, Federal Express, Swiss Post, UPS, and USPS

Real-time shipping quote is supported for UPS

:Apogee StoreFront is updated on a regular basis. Please consult with your Agfa sales representative or dealer for the latest update of the above specifications.

Apogee COLOR

Apogee PDF & Proof 6.0



Automate Reliable PDF Creation, From any Seat

Apogee PDF & Proof provides fully integrated PDF creation using a single graphical user interface. It's intuitive and therefore easy to learn and use. It comes with advanced tools that help you manage the PDF creation, preflighting, trapping, proofing, and the export of workflow-optimized PDF files, all from one central place. An integrated Flattener automatically resolves transparencies that are found in PDF1.4/PDF1.5/PDF1.6, and lets you generate and export Certified PDF files to remote production facilities in either PDF, PDF/X-1, PDF/X-1a, PDF/X-3 or PDF/X-4 format. Without compromise it also allows you to export JDF files for reliable exchange of the PDF pages with remote production centers.

PDF Creation for Designers, Prepress and Printing Companies

:Apogee PDF & Proof lets you create workflow-optimized PDF files for internal or remote processing. It runs on either a Windows-based workstation or server platform, providing advertising agencies, design firms, service bureaus, prepress houses, printers, or any content creator the processing power that they require. Easily and efficiently, :Apogee PDF & Proof transforms PS or EPS files into PDF format based on any processing criteria that you define. Automated preflighting and flattening assures that the PDFs comply to the production criteria and do not include any unexpected transparent objects. Complete PDF processing from within :Apogee PDF & Proof guarantees data integrity and maximum throughput. A unique graphical user interface lets you manage and track your PDFs with ease. At any point, you can monitor tasks such as PDF creation, preflighting, and with a click of the mouse, hold, resume, delete, or change the priority of any of those tasks.

Controlled Automation of PDF Jobs

:Apogee PDF & Proof was designed to accommodate any production needs. Using scripts, rules, or specific conditions, smart decisions are made on how PDFs are to be created and further processed. For maximum automation, :Apogee PDF & Proof uses JDF to communicate with the :Apogee WebApproval for file upload and approval or the :Apogee ProjectManager system for controlled processing and validation of page content.

Optionally :Apogee PDF & Proof can integrate through JDF with any JDF enabled MIS system. Through JDF intake, tasks are defined and PDF jobs are automatically processed. To track progression on the PDF creation and calculate costs, JMF can be added for real-time reporting of page revisions, and number of proofs made, back into :Apogee or the MIS system.

Scaling :Apogee PDF & Proof - Enhancing functionality and Productivity

:Apogee PDF & Proof is scalable. It can match your exact throughput requirements and expand productivity as needed.

Through flexible licensing, you can easily add enhancers and scale from a single-platform to a multi-platform workhorse. Once scaled, built in Fault Tolerance features provide additional security, minimizing down-time and maximizing production, even in the event of a computer platform or hard disk failure.



Features and Benefits

Hot folder, AppleTalk, Named Pipe, TCP/IP, LPR input channels: allow input from any Mac, PC, or Unix based applications.

Comprehensive Job Tickets - Production Plan - MultiFlow:

Provides a single job ticket that graphically describes all required processing steps from PDF creation, preflighting, and proofing to final export of (Certified) PDFs, and PDF/X files to remote sites.

:Apogee Preflighting: Optimizes the PDF based on production requirements and applies colour management to allow for rendering by a third party render solution

Support for Ghent Workgroup Preflight profiles: Provides standardized preflighting of PDFs.

Hot Tickets: Contain Production Plans for fully automatic (hands off) PDF processing and export.

Job Tracking & Management: Easy-to-use tools lets you monitor the progress of a job and interact with it to either hold, resume, delete, change its priority, approve/reject proofs, or archive the PDFs to near- or offline 3rd party backup solutions.

MSDE database: Logs all related job processing information and keeps track of all resources such as various versions of the PDF, untrapped or trapped PDFs, fonts, and ICC profiles. Logging information can be easily shared with any ODBC compliant applications for cost calculation purposes.

Soft Proofing: View PDFs in Adobe Acrobat automatically launched from the :Apogee Client application. A dedicated plug-in for Acrobat enables you to view the PDFs with hires images or alternate images for faster viewing experiences.

Export PDF, PDF/X-1, PDF/X-1a, PDF/X-3, PDF/X-4 and JDF: Provides reliable colour management file exchange to media and print production applications.

Five :Apogee Client Licenses: A native graphical application for Macintosh and PC, enables five operators to logon to :Apogee PDF & Proof simultaneously to create and submit Job Tickets, manage and track the PDF creation, preflighting, trapping, proofing, and export. Setup and configuration is also done using the :Apogee Client application. Commercial. Options are available to extend the number of clients.

:APOGEE COLOR

:Apogee PDF & Proof 6.0

Enhanced Quality and Connectivity

:Apogee PDF & Proof	Enhancers
Integrated Workflow Management	
Page Management (including offset, scaling, page revision handling)	•
Multi part job support	•
Integrated colour management	•
Quality Enhancer	
Recombine pre-separated PDF and Postscript files for improved processing	•
In Rip Trapping (IRT)	0
Adobe PDF Print Engine	•
:Apogee Preflight – Optimizing PDF to production requirements and colour management	•
Quality management through :Qms	•
Connectivity Link	
Output to :SherpaProof engines, including Epson x900	•
JDF/JMF (MIS) Link	o (1)
Web-based approval through :Apogee WebApproval	o
Export PDF as PDF/X-1, PDF/X-1a, PDF/X-3, PDF/X-4	•
Scalability	
Additional Output Capacity	o
Additional PDF processing Capacity	o

• = standard

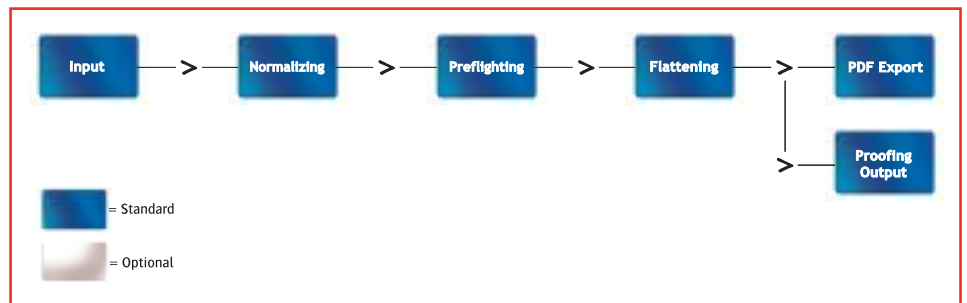
o = enhancer

o(1) = required when integrating with :Apogee WebApproval or :Apogee ProjectManager

For a complete list of enhancers, please contact your local Agfa Graphics sales representative.

Apogee COLOR

Apogee PDF & Proof 6.0



Automate Reliable PDF Creation, From any Seat

Apogee PDF & Proof provides fully integrated PDF creation using a single graphical user interface. It's intuitive and therefore easy to learn and use. It comes with advanced tools that help you manage the PDF creation, preflighting, trapping, proofing, and the export of workflow-optimized PDF files, all from one central place. An integrated Flattener automatically resolves transparencies that are found in PDF1.4/PDF1.5/PDF1.6, and lets you generate and export Certified PDF files to remote production facilities in either PDF, PDF/X-1, PDF/X-1a, PDF/X-3 or PDF/X-4 format. Without compromise it also allows you to export JDF files for reliable exchange of the PDF pages with remote production centers.

PDF Creation for Designers, Prepress and Printing Companies

:Apogee PDF & Proof lets you create workflow-optimized PDF files for internal or remote processing. It runs on either a Windows-based workstation or server platform, providing advertising agencies, design firms, service bureaus, prepress houses, printers, or any content creator the processing power that they require. Easily and efficiently, :Apogee PDF & Proof transforms PS or EPS files into PDF format based on any processing criteria that you define. Automated preflighting and flattening assures that the PDFs comply to the production criteria and do not include any unexpected transparent objects. Complete PDF processing from within :Apogee PDF & Proof guarantees data integrity and maximum throughput. A unique graphical user interface lets you manage and track your PDFs with ease. At any point, you can monitor tasks such as PDF creation, preflighting, and with a click of the mouse, hold, resume, delete, or change the priority of any of those tasks.

Controlled Automation of PDF Jobs

:Apogee PDF & Proof was designed to accommodate any production needs. Using scripts, rules, or specific conditions, smart decisions are made on how PDFs are to be created and further processed. For maximum automation, :Apogee PDF & Proof uses JDF to communicate with the :Apogee WebApproval for file upload and approval or the :Apogee ProjectManager system for controlled processing and validation of page content.

Optionally :Apogee PDF & Proof can integrate through JDF with any JDF enabled MIS system. Through JDF intake, tasks are defined and PDF jobs are automatically processed. To track progression on the PDF creation and calculate costs, JMF can be added for real-time reporting of page revisions, and number of proofs made, back into :Apogee or the MIS system.

Scaling :Apogee PDF & Proof - Enhancing functionality and Productivity

:Apogee PDF & Proof is scalable. It can match your exact throughput requirements and expand productivity as needed.

Through flexible licensing, you can easily add enhancers and scale from a single-platform to a multi-platform workhorse. Once scaled, built in Fault Tolerance features provide additional security, minimizing down-time and maximizing production, even in the event of a computer platform or hard disk failure.



Features and Benefits

Hot folder, AppleTalk, Named Pipe, TCP/IP, LPR input channels: allow input from any Mac, PC, or Unix based applications.

Comprehensive Job Tickets - Production Plan - MultiFlow:

Provides a single job ticket that graphically describes all required processing steps from PDF creation, preflighting, and proofing to final export of (Certified) PDFs, and PDF/X files to remote sites.

:Apogee Preflighting: Optimizes the PDF based on production requirements and applies colour management to allow for rendering by a third party render solution

Support for Ghent Workgroup Preflight profiles: Provides standardized preflighting of PDFs.

Hot Tickets: Contain Production Plans for fully automatic (hands off) PDF processing and export.

Job Tracking & Management: Easy-to-use tools lets you monitor the progress of a job and interact with it to either hold, resume, delete, change its priority, approve/reject proofs, or archive the PDFs to near- or offline 3rd party backup solutions.

MSDE database: Logs all related job processing information and keeps track of all resources such as various versions of the PDF, untrapped or trapped PDFs, fonts, and ICC profiles. Logging information can be easily shared with any ODBC compliant applications for cost calculation purposes.

Soft Proofing: View PDFs in Adobe Acrobat automatically launched from the :Apogee Client application. A dedicated plug-in for Acrobat enables you to view the PDFs with hires images or alternate images for faster viewing experiences.

Export PDF, PDF/X-1, PDF/X-1a, PDF/X-3, PDF/X-4 and JDF: Provides reliable colour management file exchange to media and print production applications.

Five :Apogee Client Licenses: A native graphical application for Macintosh and PC, enables five operators to logon to :Apogee PDF & Proof simultaneously to create and submit Job Tickets, manage and track the PDF creation, preflighting, trapping, proofing, and export. Setup and configuration is also done using the :Apogee Client application. Commercial. Options are available to extend the number of clients.

:APOGEE COLOR

:Apogee PDF & Proof 6.0

Enhanced Quality and Connectivity

:Apogee PDF & Proof	Enhancers
Integrated Workflow Management	
Page Management (including offset, scaling, page revision handling)	•
Multi part job support	•
Integrated colour management	•
Quality Enhancer	
Recombine pre-separated PDF and Postscript files for improved processing	•
In Rip Trapping (IRT)	0
Adobe PDF Print Engine	•
:Apogee Preflight – Optimizing PDF to production requirements and colour management	•
Quality management through :Qms	•
Connectivity Link	
Output to :SherpaProof engines, including Epson x900	•
JDF/JMF (MIS) Link	o (1)
Web-based approval through :Apogee WebApproval	o
Export PDF as PDF/X-1, PDF/X-1a, PDF/X-3, PDF/X-4	•
Scalability	
Additional Output Capacity	o
Additional PDF processing Capacity	o

• = standard

o = enhancer

o(1) = required when integrating with :Apogee WebApproval or :Apogee ProjectManager

For a complete list of enhancers, please contact your local Agfa Graphics sales representative.

:Arkitek Analyst

Newspaper publishers are under constant pressure to produce more with less overhead. Therefore, they wish to maximize the yield of their pre-press, printing and database assets. To know exactly how far production has come at any given time, and to make more efficient usage of their printing capabilities, they are constantly looking to improve and increase the scope of their tracking and reporting resources, enabling them not only to track processes, but also to identify bottlenecks and/or spare capacity. With the ability to view real-time information and consult historical reports, newspapers can analyze their resources usage to improve performance and streamline processes.

:Arkitek Analyst is an enterprise-wide Tracking and Report system providing both real-time tracking information and post-production reports encompassing an entire newspaper production cycle eliminating the need to use complex reporting packages or to know SQL programming.

System Functionality

Reporting can be user-specific or with dashboards, and users have access to information in a variety of ways. For example data can be looked at:

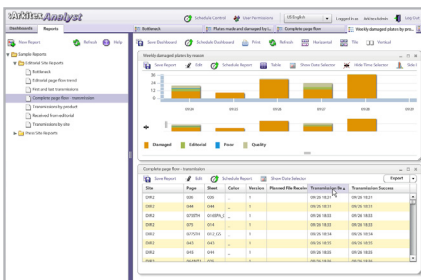
- **From a product point of view** showing information relative to a particular product such as file arrival times, approval delays, and plate throughput views.
- **From a hardware point of view** showing the number of plates imaged per hour (or other time period) on one or more CtP devices, with the ability to further refine the display to show this breakdown by title.
- **From a system point of view showing** the processing history of a particular part of the system. For example being able to see the backlog of files awaiting a particular process at various intervals during production.

Customized Reports

:Arkitek Analyst includes a number of standard report templates that define a basic report, such as totaling up the number of times something happened for selected publications or hardware during a given time-span.

From these templates users then customize the report by changing the time-span, changing publications, and selecting different events. Time-spans are even identified using a description – such as “Show me 1 week of data ending last Saturday.” This ensures that every time that report is run, it always shows data from last week without any necessary changes.

Finally, the report is run or, if so desired, saved away for future use. All settings - time-span, publications to include, and events of interest – are made using human readable descriptions and not complex SQL queries.



:Arkitex Analyst



Report Organization

Saved reports are organized using customer defined folders allowing them to organize reports the way that makes the most sense: by department, by person, by publication, etc.

Passwords based permissions allow users to provide to and to restrict access from these folders, so that only permitted people can view those reports. Special reports and report folders can also be created for outside customers.

Report Automation

In addition to creating reports for one-time or occasional use, :Arkitex Analyst allows report automation so that reports are produced when and how they are needed.

Reports are often needed on a scheduled basis; e.g. for a weekly production meeting.

:Arkitex Analyst can automatically run that report and either e-mail it, save it as a PDF, csv (comma-separated values), or an image, or have it printed.

Capacity Based Tracking

The ability to do work is limited by equipment capacity; e.g. imaging plates with CtP devices.

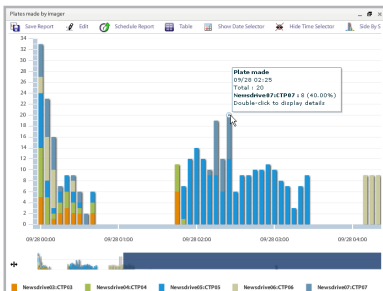
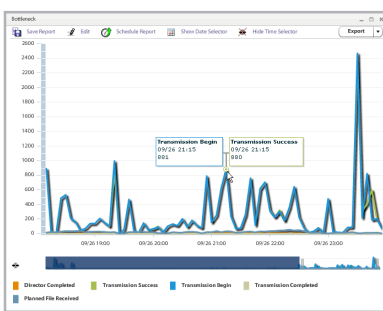
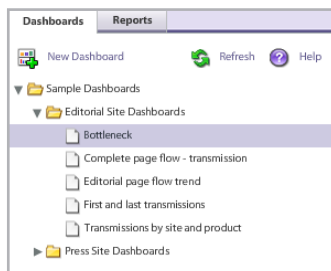
:Arkitex Analyst answers the question "Do I have enough capacity to meet my upcoming deadline?".

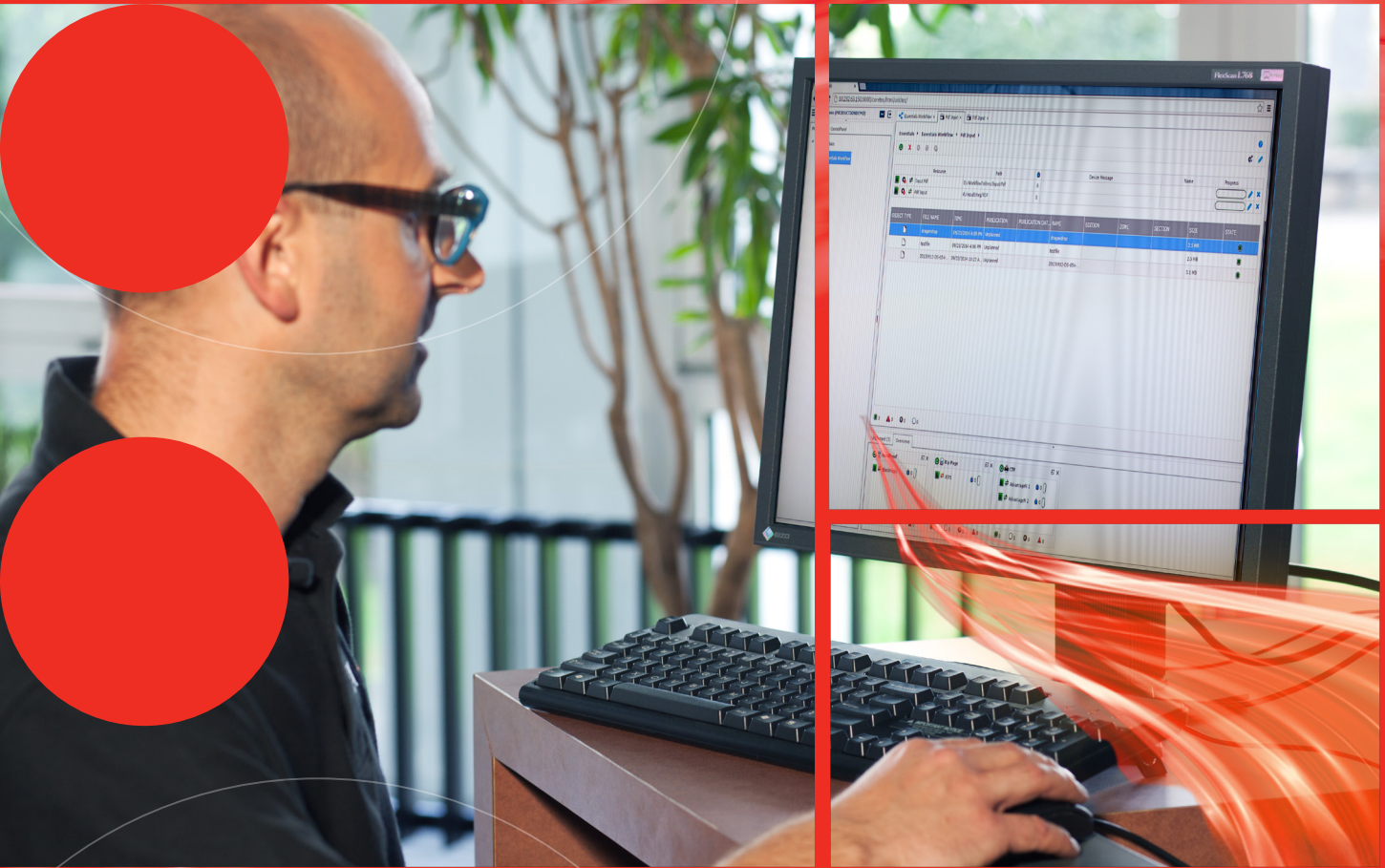
:Arkitex Analyst graphs in real-time the capacity to do work before deadline with the work remaining to complete. Users can see if they are on track or in danger of missing deadlines. Having this information ready, as production proceeds, allows for wise decisions to be made.

Enterprise Wide Tracking and Reporting

Good decision making requires good information. :Arkitex Analyst can include data from both upstream and downstream systems such as: Editorial, Advertising, Photo, Pagination, Press, Mail-Room to name some.

Data gathering is accomplished by small agents which are able to gather data made available by the various systems and send that data into the :Arkitex Analyst server where it is then available for tracking and reporting purposes.



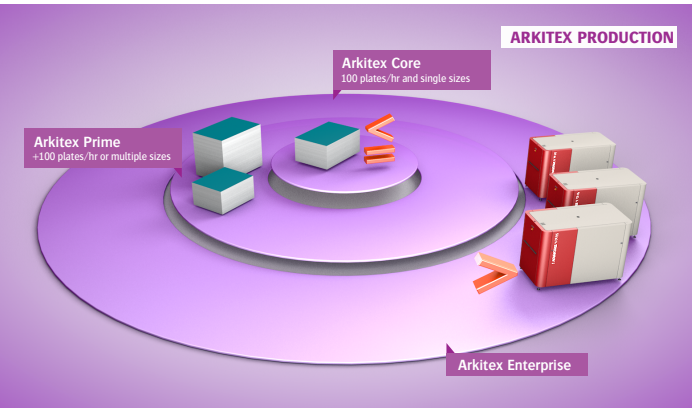


:Arkitex Production

A new generation of newspaper prepress software, enabling publishers to operate with greater economy and efficiency and meet ever-tightening deadlines with ease.

Arkitex Production is a workflow solution with a range of integrated functions to manage and automate newspaper production from the publisher to the printer. This includes publisher planning, file delivery, preflighting, approval, ripping, imposition, device management and multi-site distribution, optionally all the way to the press. Quality control and enhancement are also an integrated part of the solution. Arkitex Production is also available as a SaaS offering, fully deployable in the cloud.

Arkitek Production



Because Arkitek Production is modular and scalable, it can fit the needs of every newspaper or contract printer, including multi-site operations.

Modular and scalable

Because Arkitek Production is modular and scalable, it can fit the needs of every newspaper or contract printer, including multi-site operations. Smaller operations can choose basic modules, while larger printers can choose from a range of advanced modules for complex workflows.

These are the different modules:

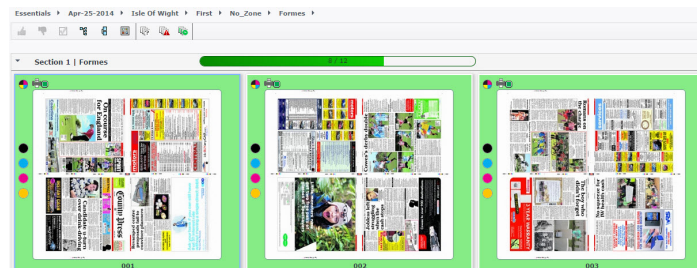
- Arkitek Production Impose – simple imposition system writing plate-ready files to a folder.**
 This module is intended for ‘editorial sites’ that are not driving output devices but instead are generating plate-ready imposed files for a remote print site.
- Arkitek Production Core, Arkitek Production Prime and Arkitek Production Enterprise – driving CtP devices.**
 Arkitek Core, Prime and Enterprise are designed to work with different numbers and levels of CtP devices. The base functionality of each system is similar. Arkitek Prime and Arkitek Enterprise include media management functionality tailored to optimize throughput for multiple plate size CtPs.

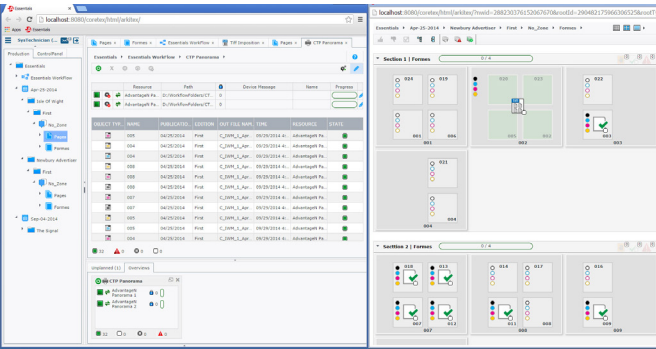
Complementing the Arkitek Production family are the **Arkitek Enhance products** that extend functionality and thus allow for the exact tailoring of the production solution. Examples include **Newsdrive**, which optimizes the output speed for a variety of devices, and **PressRegister**, designed to automatically correct a wide variety of press miss-registration issues.

Other Arkitek Enhance products improve the quality of the printed product. These include **IntelliTune** for automated image enhancement, **OptiInk** for ink cost saving up to 30% and **Sublima** screening for crisp clear printed results.

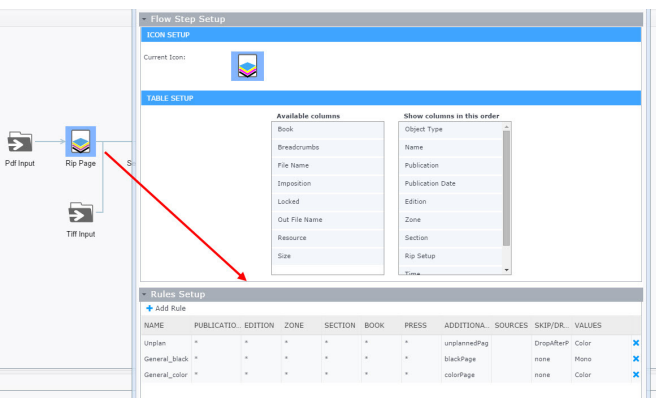


Depending on the job, users can view pages and forms as tracking icons or thumbnails and even monitor individual plate output





In a single screen, users are able to see the most important information. Here we see a plate room operator monitoring both the queue of plate for output and the status of the upcoming press-run.



Each step in the workflow is controlled both by plan settings and publishers defined rules.

Five reasons to opt for Arkitek Production

1. All tasks in one view – anywhere and at any time

With Arkitek Production, you take your work wherever you need to be. A single integrated user interface keeps all departments informed about all operations and their status for faster turnaround and increased productivity. As this interface is based entirely on HTML5, it requires no installation or Java. This means Arkitek Production can be fully accessed from laptops, tablets and smartphones, or even touchscreens in pressroom environments. All you need is a browser and a login to get an overview anytime, anywhere.

2. Scalability – to manage the growth of your business

Arkitek Production is scalable to fit the needs from the smallest newspaper producer right through to the largest multi-site systems receiving input from multiple remote editorial sites. Smaller operations can choose basic modules, while larger printers can choose from a range of advanced modules for complex workflows. All levels include creep adjustment and in-built planning as standard.

The scalability is not just in the different levels (Impose, Core, Prime and Enterprise), but also in the range of extenders that enhance the functionality and scope of each level. The system can grow with you and your needs, all the way. Extenders include color-managed soft-proofs, press based display, and tracking beyond the CtP.

3. Flexibility – customize to your workflow needs

Arkitek Production automates processing based on press deadlines. It can monitor and track processes through the punch/bend system right into the press, and enable the user to make customized production plans using the press configuration. That way, it is easy to monitor jobs at any time and adjust your workflow to changing press run times, which comes in especially handy with regard to commercial jobs coming in from outside sources. Additional task automation, such as preflight and ink optimization, can also be implemented to your liking.

4. Quality enhancement features allow for extra savings

Arkitex Production builds in quality from start to finish. Quality enhancement features, which often also result in increased cost efficiencies, include:

- Image enhancement and optimization via IntelliTune multi-channel newspaper image processing
- Veripress press soft-proofing to ensure correct outputs and pagination on press
- Delivering maximum ink saving without quality loss via OptiInk
- Magazine quality printed output with Sublima quality screening
- Automated ink-key presetting

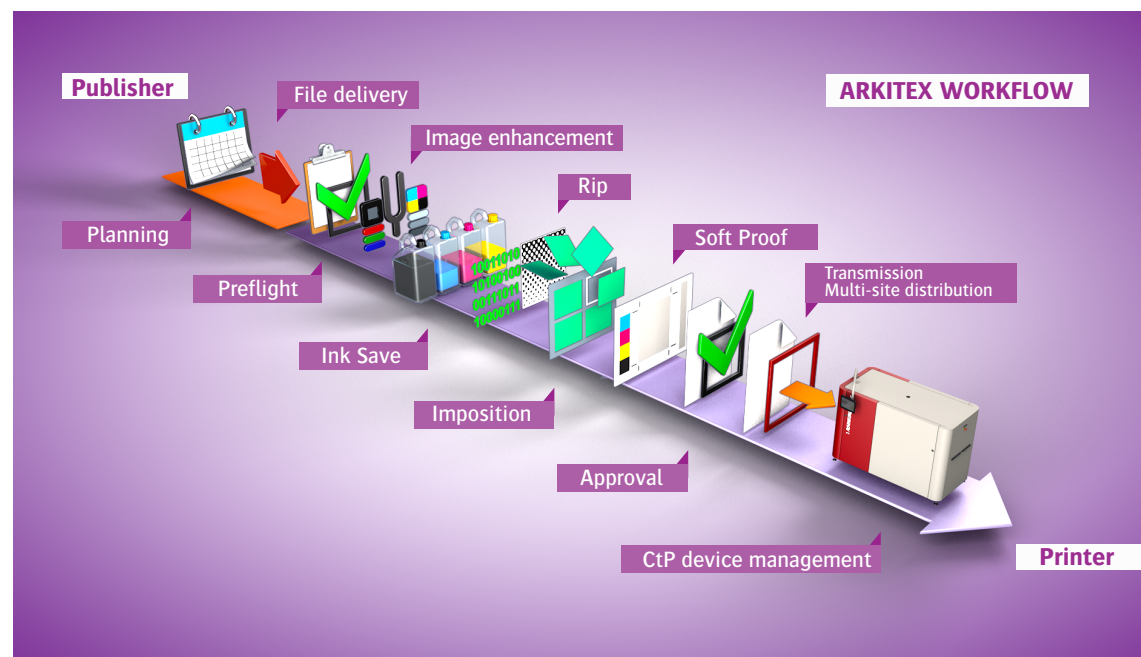
5. Ease of use for user-intuitive operation

Arkitex Production is a simple yet comprehensive workflow solution. Installation is easy, and so is operating the software. Arkitex Production provides a quick overview of how production is progressing, thus allowing you to monitor and control work with maximum efficiency. Based on HTML5, the interface is accessible from a multitude of devices, at the same time as being highly intuitive, enabling operators to work with it with a minimum of training.

Arkitex Production caters for all your production needs, no matter the size of your production system.

It effectively integrates remote editorial and print sites and an entire group production into one working unit, and saves both time and expense.

Fully deployable in the cloud and available as a SaaS offering, Arkitex Production offers complete flexibility supporting production for a single site up to supporting entire group production.



A new generation of newspaper prepress software, enabling publishers to operate with greater economy and efficiency and meet ever-tightening deadlines with ease.

1. Technical infosheet

Description: ASD is a Graphic Black and White Rapid Access Developer for Graphic Art applications, based on Hydrochinon and Phenidone developing agents in an alkaline environment

Applications: Used for Developing Recording-, Camera-, Contact films.

Used in combination with:

Replenisher: ASD

Fixers: Most Graphic fixers as there are: G333p

Using conditions:

Dilution: (mixing device necessary)

As a developer: 1 pack ASD makes 20 litres

As a replenisher: 1 pack ASD makes 20 litres

Developing time: 30s

Developing latitude 20 - 60s

Developing temperature: 35°C - 95°F

Replenishment: *Based on minimum 1 tank turnover per week



	ml/m ²	cc/sqin
15% exposed	100*	0.06*
50% exposed	200*	0.13*
85% exposed	300*	0.19*

Storage conditions: always store ASD in an frost-free and dry environment.

Shelf life: 36 months after manufacturing

Physical properties:

Specific weight:

Part A : 96.8 grams product per liter/ 1936 grams /20 liters (=1 pack)

Part B: 28.7 grams product per liter/ 574 grams /20 liters (=1 pack)

pH: disolverd: 5.3

Sales packaging:

	ABC code	Packaging	Dilution
ASD	EDOBL	5x (A+B) for 100 litres	1 pack A + 1 pack B makes 20 litres

Flap bags can be used in AgfaSolid "tilting trays".

Precautions:

avoid contact with skin. After contact rince thouroughly with water.

Read the MSDS (Material Safety Data Sheet)



:Attiro

High-speed clean-out unit for violet chemistry-free plates

Groundbreaking cascade technology for newspapers brings a wealth of productivity and sustainability

- Minimal gum consumption for maximal clean-out effect
- Extended bath life, lower maintenance
- Clear image on the gummed plate – no confusion on the press

The Attiro clean-out unit forms a very attractive solution combined with N94-VCF chemistry-free printing plates.

Minimal gum consumption for a maximal clean-out effect. The Attiro clean-out unit's unique sustainable prepress process. It comprises three gum sections to clean-out printing plates. The first is the most important. The result: minimal gum consumption for a maximal clean-out effect.

PRE-HEATING MODULE

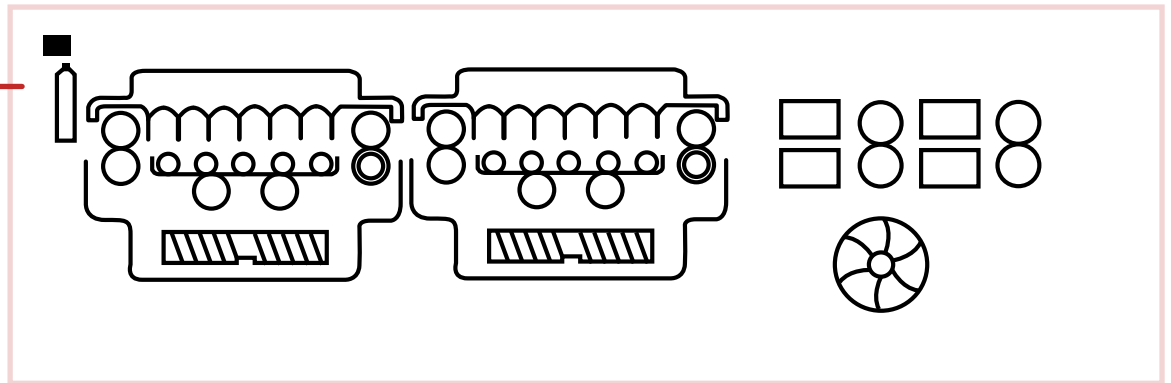
PRE-HEATING

The emulsion of the exposed plate is hardened using a high-tech hot air oven. A sensor ensures a uniform and stable temperature on the plate.

COOLING

The plate is cooled to enable immediate cleaning.

The plate is cooled to an optimum temperature which prevents overheating of the liquids in the subsequent sections.



BENEFITS AT A GLANCE

- Bath life doubled
- Waste reduced by 17%
- Gum usage reduced by 75%
- Less transportation of bottles
- Maintenance frequency halved
- High speed, high volume
- No roller and punch & bender contamination
- Low power consumption

For a perfectly clean plate, with a clear image at high speed.

The cascade concept saves users extra money on maintenance and gum while contributing to a more concentrated gum is effectively reused as it cascades from the third section to the second and then

CLEANING MODULE

GUM1

95 % of all non-imaged areas are removed from the plate.

Gum is sprayed on the plate. The imaged areas are bonded to the substrate and therefore not removed by the gum. The gum is actually cascaded into the first tank from the second tank. As most of the clean out happens in the first gum section, it contains most of the cleaned out emulsion. From this tank, the exhausted gum is drained off.

GUM2

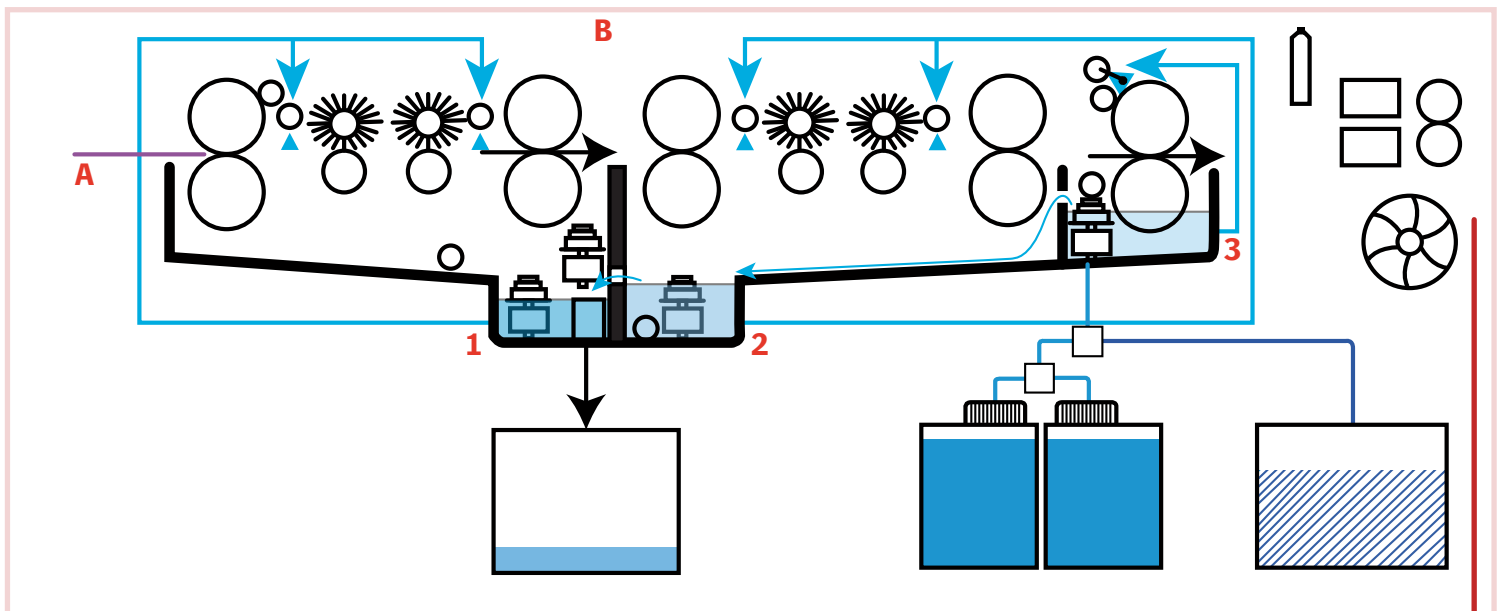
The remaining non-imaged areas are removed from the plate.

The gum mix from the third tank cascades into the second tank, and pushes the gum used for the second cleaning step away. It then cascades into the first tank.

GUM3

A layer of fresh gum is applied to prevent the plate from oxidizing the grained and anodized aluminum.

The final clean-out step is carried out with concentrated gum fresh from the bottle, thus ensuring a perfectly clean plate. The fresh gum and water from the tank in the third section then cascade into the tank of the second section.



1, 2, 3 — At each cascading step, the gum is refreshed with a small volume of water. Tanks in the Attiro are smaller than those in previous clean-out units.

A, B — Throughout the entire process, printing plates move in a straight line through the clean-out unit, which significantly reduces the risk of scratches, bended corners or damaging.

DRYER

The plate is dried to enable immediate handling, independent of the plate format.

Hot air is blown through a pair of air tubes, which dries the plate on both sides. As a result, further handling of the plate is immediately possible.

Autowash Plus

Washes

General purpose water miscible blanket & roller wash

Pro 20 Litres: **Art. code** PYGZT
Pro 2 x 200 Litres: **Art. code** PYG1V

Autowash Plus is a highly effective, water miscible blanket and roller wash. It is water miscible and when used in conjunction with water it will quickly remove ink and lint, leaving blankets and rollers with an ink receptive surface. Autowash Plus is suitable for automatic washing systems and manual application.

Working instructions

Manual use: Blankets / Ink rollers

- Pre-mix with water.
- On blankets: Apply pre-mix with a cloth or sponge, evenly covering the whole surface.
- On ink rollers: Spray pre-mix on ink rollers and rinse with water afterwards.

Automatic use

- Follow manufacturer's instructions.

Main characteristics

- Excellent ink removal properties.
- Suitable for manual and automatic use.
- Compatible with most offset plates.
- Cleans quickly and thoroughly.
- Reduces blanket tack.
- Prevents oxidation and swelling of the rubber.
- Keeps rollers and blankets ink-receptive.

Safety

Read MSDS before using this product.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Properties

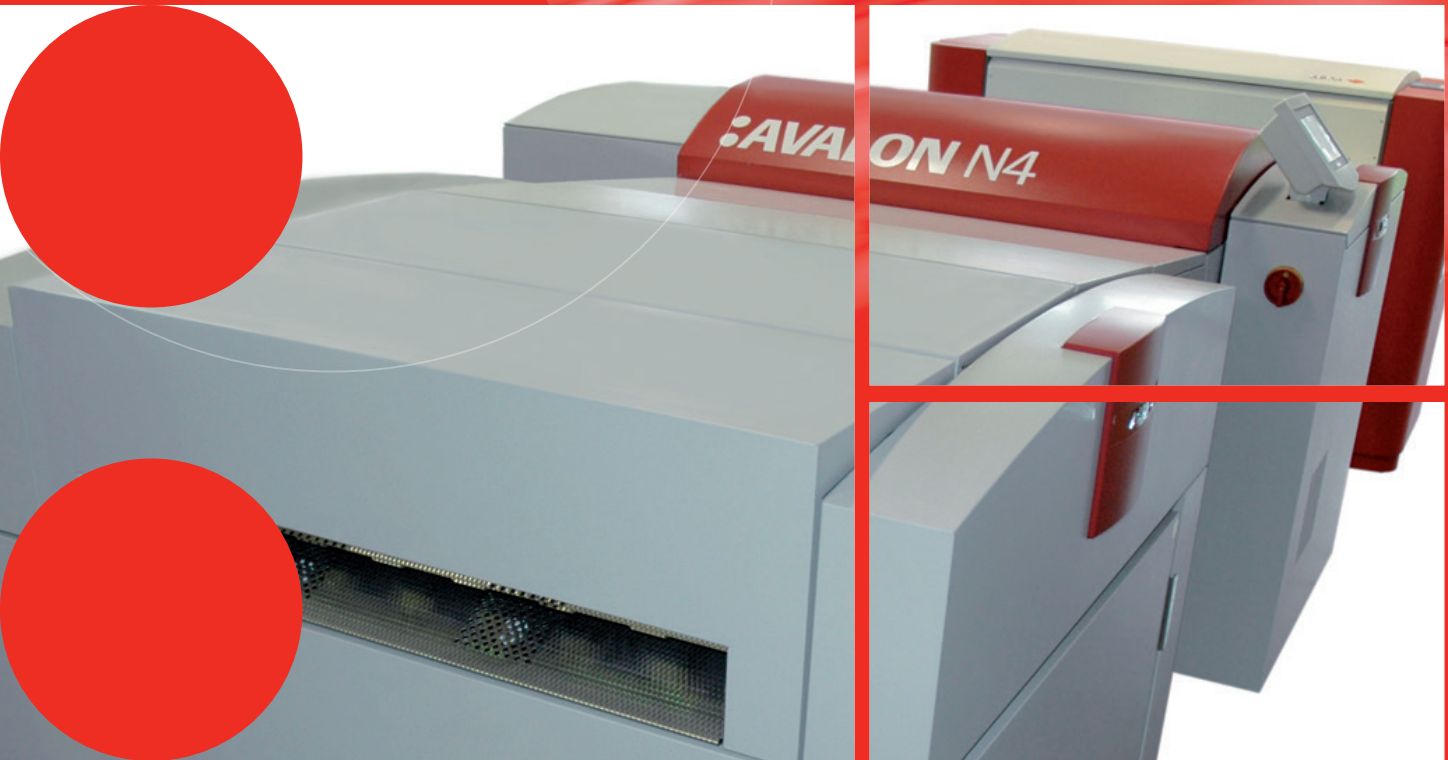
Chemical	Appearance	Green - blue
	Classification	A II
	Flashpoint	46°C
	Density (25°C)	0,802 kg/Litre
	VOC content	97%
Press	Business forms web	×
	Coldset web	×
	Heatset web	×
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Medium
	Water miscible	✓
	Automatic wash	✓

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓



AVALON N4

High-quality thermal platesetting for 4-up and 6-up printing

Avalon N4 brings today's commercial and packaging printers the high-quality digital plates they need to stay competitive. Whether you require the highly productive Avalon N4-14 S or the cost-effective Avalon N4-14 E, you are assured of a winning combination of exceptional imaging and rock-solid reliability. You can upgrade any time from the E model to the S model. Its streamlined operation and uncompromising image quality will allow you to handle more of even the most demanding jobs, with more profit.

Both models come with an optional inline punching system and standard Ethernet connection, providing direct interfacing with the Apogee workflow.

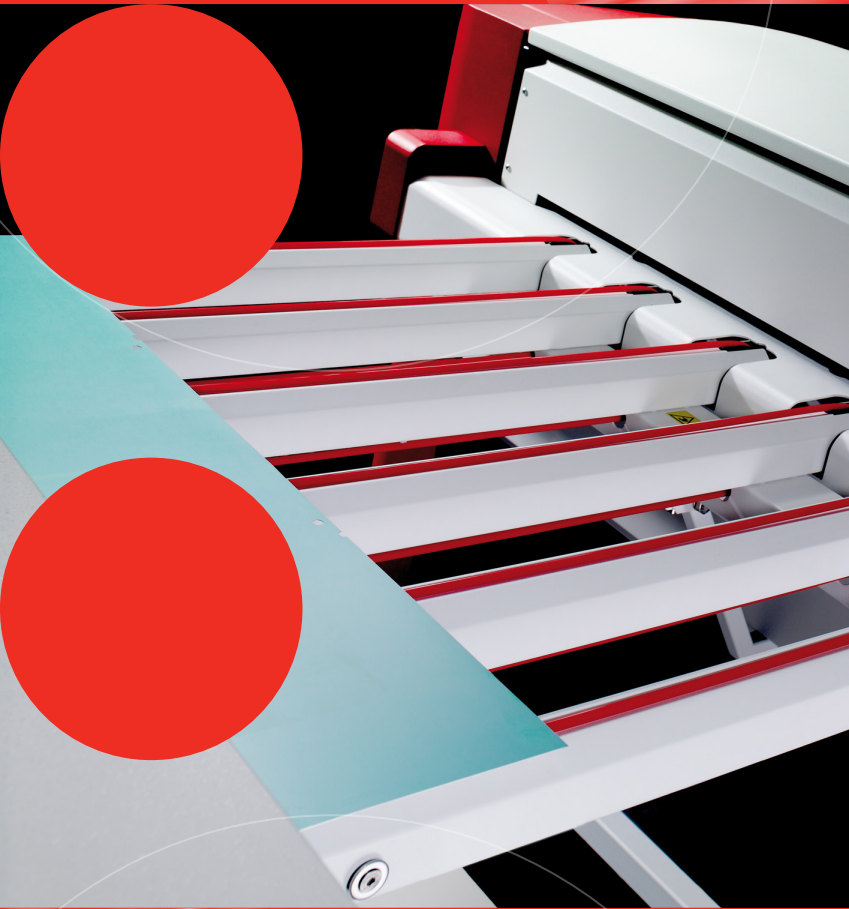
The N4 L100 and N4 L300 plateloaders offer maximum convenience and automation.

IMAGER		N4-14 E	N4-14 S
Models		16 beams	32 beams
Imaging System		16-channel Infrared Laser Diodes	32-channel Infrared Laser Diodes
Image area		Max. 830 mm x 633 mm (32.7" x 24.9") (Front margin 15 mm, rear margin 12 mm)	
Laser technology		830 nm thermal Laser Diodes	
Recording system		External drum	
Resolution		2400 dpi	1200 - 2400 dpi
PLATE SIZE			
Maximum plate (lead edge x wrap)		830 mm x 660 mm (32.7" x 26")	
Minimum plate (lead edge x wrap)		Standard: 324 mm x 370 mm (12.8" x 14.5") Optional: 304 mm x 370 mm (12" x 14.5")	
Thickness		0.15 mm to 0.3 mm (6 to 12 mil)	
PLATES			
Approved Agfa Graphics plates		Azura TS, Azura TU, Amigo TS, Thermostar P970, Energy Elite, Energy Elite Pro, Energy Xtra	
PLATE HANDLING CONFIGURATIONS			
Plate loading		Manually With autoloader = automatic	
Plate unloading		Manually	
On-line processor (OLP)		Yes	
TROUGHPUT *			
Energy Elite Pro 724 x 615 mm plate, 2400 dpi		11 pph	21 pph
		* Throughput affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail.	
INTERNAL PUNCHING			
Option		Inline punch configurations for all major presses are available.	
PHYSICAL SPECIFICATIONS			
Dimensions (WxDxH) Main unit		1,750 x 1,030 x 1,178 mm (68.9" x 40.6" x 46.4")	
Approx. Weight		645 kg (1,422 lbs.)	
ENVIRONMENT			
Temperature range - recommended - required		21°C to 25°C (70°F to 77°F) 18°C to 26°C (64°F to 79°F)	
Humidity range		40% to 70% RH (non condensing)	
Power		Single Phase 200 V to 240 V +6%/-10%, 20A, 4.0 kW	

AUTOLOADERS

MODEL	N4 L100	N4 L300
Plate capacity	100	300
No. of cassettes	1	3
Slipsheet removal	Yes	
Plate transport	Fully automatic loading	
Power	Single phase 200V-240V +6%/-10%, 5A, 1,0kW	
Weight	340 kg (748 lbs)	765 kg (1,683 lbs)
Dimensions	1395 x 1775 x 1060 mm (55,0" x 69,9" x 41,7")	2590 x 1775 x 1060 mm (101,9" x 69,9" x 41,7")

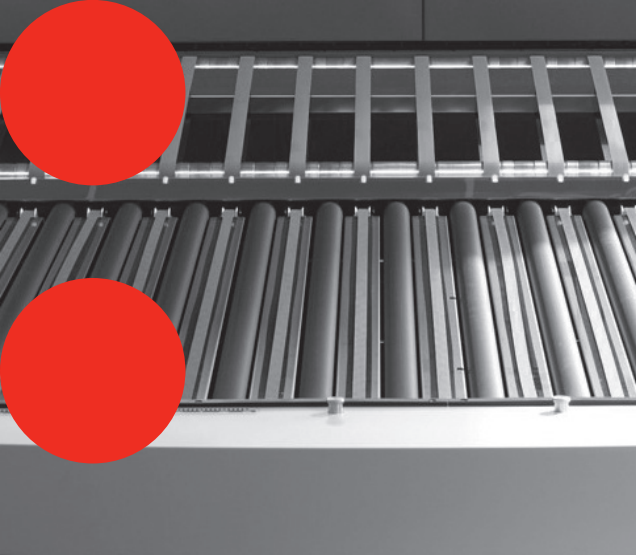
www.agfagraphics.com



Agfa Avalon N8-24

Top quality, reliable, flexible thermal
platesetter for 8-up printing

Avalon N8-24



Agfa Graphics' Avalon N series of thermal external drum platesetters offers the most complete range in the industry featuring laser technology most appropriate to the application. The Avalon N is a platesetter with a reputation for solid dependability with a full assortment of automation options and many productivity options such as internal punching. Reliable, stable quality plate imaging secures your printing business

N8-24 series

- Full featured mid-level models for medium plate productivity requirements.
- A full array of automation options is available.
- All models come with an optional inline punching system and standard ethernet connection, providing direct interfacing with the Apogee workflow.



IMAGER	N8-24 E	N8-24 S	N8-24 Sr
Models	32 beams	64 beams	64 beams
Imaging System	Fiber coupled Laser Diodes		
Laser technology	830 nm Thermal		
Recording system	External drum		
Resolution	2400 dpi	2400 dpi	2400 dpi - 4000 dpi
PLATE SIZE			
Maximum plate (lead edge x wrap)	1,160 x 940 mm (45.6" x 37.0")		
Minimum plate (lead edge x wrap)	304 x 370 mm (11.9" x 14.6")		
Thicknesses	0.15 to 0.3 mm (6 to 12 mil, options for 0.4 mm support available)		
Exposure size - Max *grip setting is 8 mm, drum rotation limits to 600 rpm	1160 x 916 mm (1160 x 920 mm)*		
PLATES			
Approved Agfa Graphics plates	Azura TS, Azura TU, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro, Energy Xtra		
PLATE HANDLING CONFIGURATIONS			
Plate loading			
Semi-automatic manual loading	Yes		
Single cassette Autoloader	Yes		
Multi cassette Autoloader	Yes		
Plate Unloading			
Manual unload	Yes		
On-line processor (OLP)	Yes		
TROUGHPUT *			
Energy Elite Pro 1030 x 800 mm plate, 2400 dpi	13 pph	23 pph	23 pph
* Throughput affected by plate sensitivity, screening and other factors, contact your Agfa Graphics representative for more detail.			
INTERNAL PUNCHING			
Option	Yes, support for up to 4 sets of punches. Standard and custom punches are available.		
PHYSICAL SPECIFICATIONS			
Dimensions (WxDxH) Main unit	2,440 x 1,295 x 1,390 mm (96.1 x 51.0 x 54.7")		
Approx Weight	Approx. 1,150 kg (2,530 lbs.)		
ENVIRONMENT (platesetter and Autoloader)			
Temperature range - Recommended - Required	21° to 25° C (69.8° to 77.0° F) 18° to 26° C (64.4° to 78.8° F)		
Humidity range	40% to 70% RH (non-condensing)		
Power	220 to 240 volts, Single phase, 32 amps, 50 or 60 Hz		

SYSTEM LAYOUTS

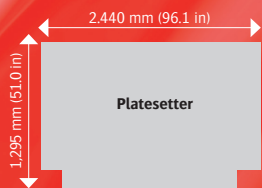
Shown below are main system components only.

Contact your Agfa Graphics representative for:

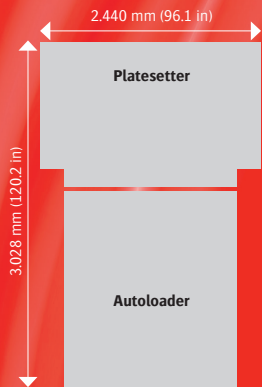
- more detailed layouts including processors, conveyors, chiller, blower and other components.

- detailed site requirements including service space requirements

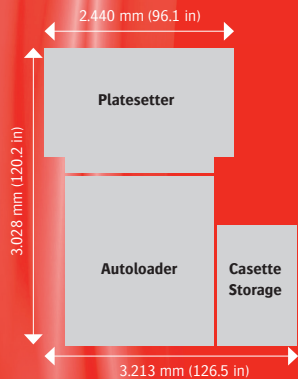
Manual Loaded



Single Cassette Autoloader System



Multi Cassette Autoloader System



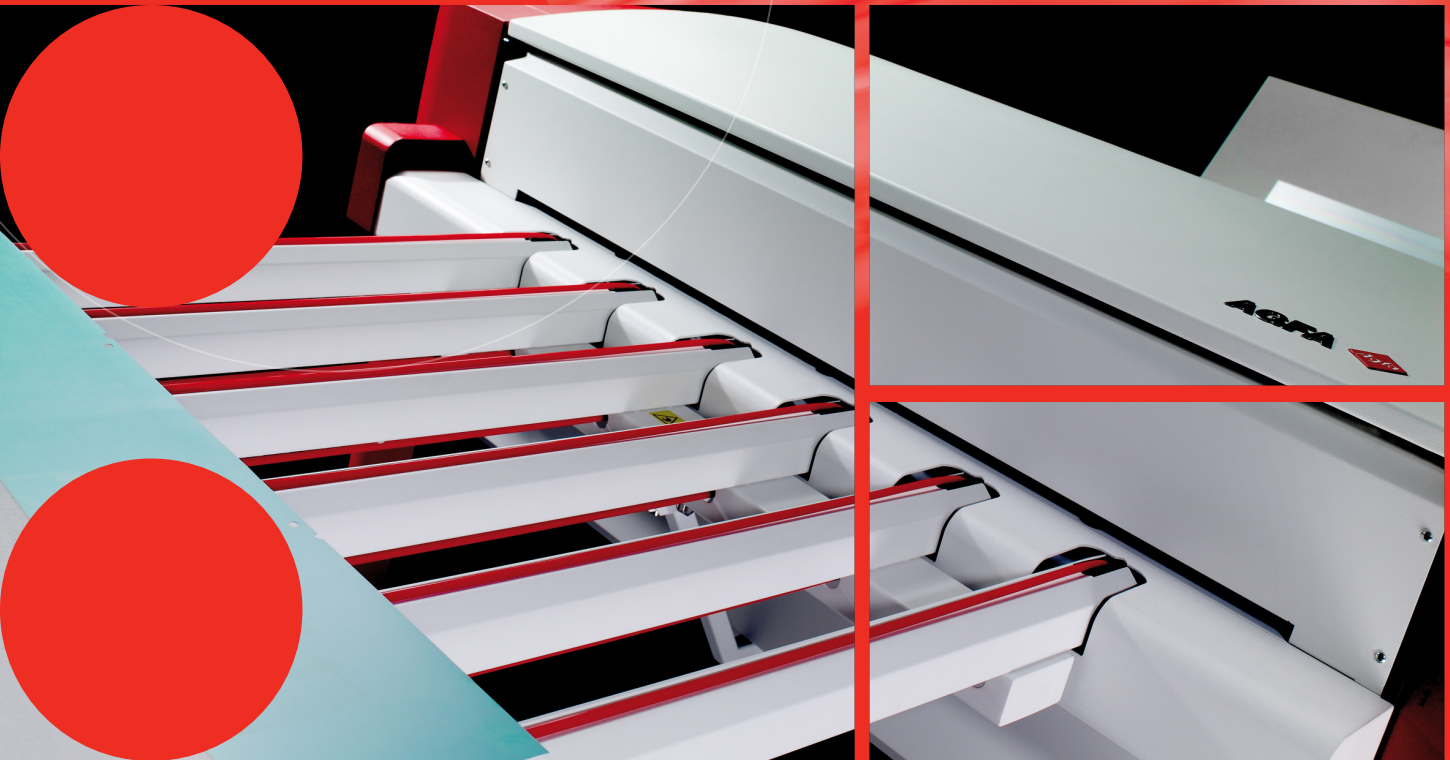
Autoloaders

Avalon N8 Autoloaders: Reliable 8-up plateloading systems for increased productivity.

A full array of Plateloading automation systems for the Avalon N8 series of 8-up thermal platesetters.

These solutions offer innovative and user friendly designs for maximum operator utilization.

	Single Cassette Autoloader	Multi Cassette Autoloader
	A single cassette autoloader allowing unattended operation and automatic slip sheet removal with less investment.	A multi cassette solution with up to 5 cassettes on-line for high production with minimum labor. Standard configuration is 3 cassettes.
MODELS AND APPLICABILITY		
Model	N8-AL S	N8-AL M
Applicability	:Avalon N8 24 Series Yes	:Avalon N8 24 Series Yes
DESCRIPTION		
Cassettes	1 cassette	up to 5 cassettes (standard 3 cassettes)
Max number on line		
Plates per cassette	0.15 mm: 100 plates 0.2 mm: 100 plates 0.3 mm: 100 plates 0.4 mm: 75 plates Between 450 x 370 and 304 x 370 mm: 50 plates	
Removable cassettes	Yes	No
Cassette carrier available	Yes, Included	No
Slip sheet removal	Standard Capacity ±100 sheets	
PLATE SIZES		
Maximum	1160 x 940 mm (45.6 x 37.0")	
Minimum	304 x 370 mm (11.9 x 14.6")	
Thicknesses	0.15 to 0.3 mm (0.4 mm as field option)	
PHYSICAL SPECIFICATIONS		
Dimensions (WxDxH)	1,758 x 1,806 x 1,280 mm 69.2 x 71.1 x 50.4"	3,213 x 1,806 x 1,280 mm 126.5 x 71.1 x 50.4"
Approx Weight (no plates)	530 kg 1,168 lbs.	1,250 kg 2,750 lbs.
ENVIRONMENT		
Temperature range	- Recommended: 21° to 25° C (69.8° to 77.0° F) - Required: 18° to 26° C (64.4° to 78.8° F)	
Humidity range	40% to 70% RH (non-condensing)	
Power	Powered by main unit	
OPTIONS		
0.4 mm support	Yes	Yes
Additional carrier-type cassette (with dustproof cover)	Yes	No
Cassette carrier	Yes	No
Additional cassettes	No	Yes (max 5 in total)



- **Avalon N8-24 S**
- **Avalon N8-20 Sc**
- **Avalon B8-24 S**

The Avalon N series consists of platesetters with a reputation for solid dependability securing stable quality plate imaging for your printing business.

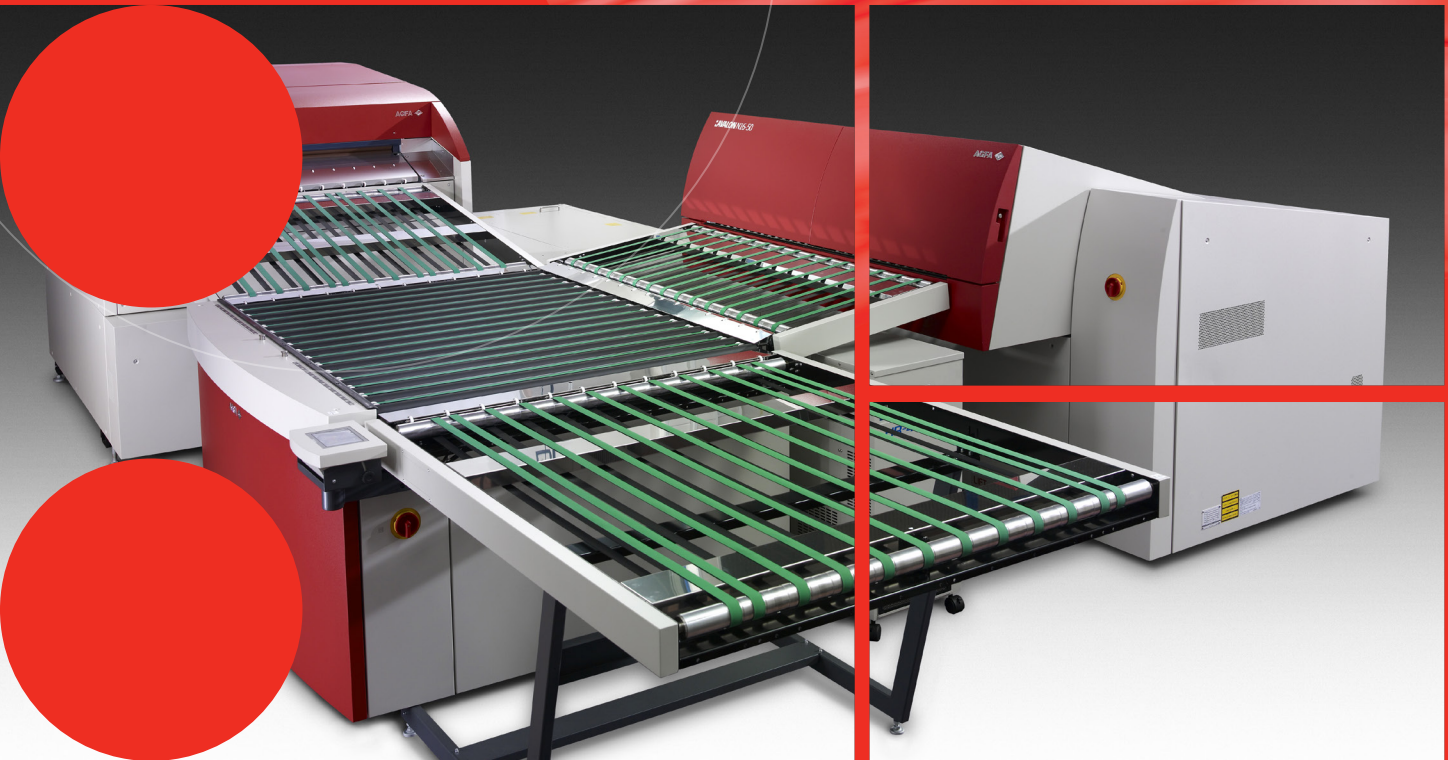
Avalon N8-24 S is a platesetter with a full assortment of automation options and many productivity options such as internal punching.

Avalon N8-20 Sc is the perfect starter model with a built-in dual-load and unload tray for extra operator autonomy and automation.

Avalon B8-24 S is based on the reliable external drum Avalon N architecture and proven fibre-coupled technology, to breach all records of cost effectiveness. The manual loading Avalon B8-24 S is a robust, entry-level output device with on- or offline processing allowing the prepress operator to image 23 pph size 8-up.

IMAGER			
Models			
Imaging System			
Laser technology	830 nm Thermal Laser Diodes		
Recording system	External drum		
Resolution	1200 - 2400 dpi		2400 dpi
PLATE SIZES			
Maximum plate (lead edge x wrap) <small>* N8-20 Sc can not use plate widths between 570mm and 624mm</small>	1160 x 940mm	1150 x 940mm *	1060 x 830mm
Minimum plate (lead edge x wrap) <small>* N8-20 Sc can not use plate widths between 570mm and 624mm ** (option In case of expose small size plate (width of less than 450mm), drum rotation limits up to 600rpm (productivity will drop))</small>	450 x 370mm 304 x 370mm	450 x 370 mm * 304 x 370 mm **	450 x 370 mm Not available
Thickness <small>* 0,4mm support option is field option ** using 0,4mm plate, exposure drum speed is max 600 rpm, lower productivity</small>	0,15 - 0,30mm/0,4mm *	0,15 - 0,30mm **	0.15 - 0.30mm
Imaging size - max <small>*Drum rotation limits up to 600 rpm</small>	1160 x 916 mm (grip 12/12mm) 1160 x 920 mm (grip 8/12mm) *	1150 x 916 mm (grip 12/12mm) 1150 x 920 mm (grip 8/12mm) *	1060 x 806 mm (grip 12/12mm) 1060 x 810 mm (grip 8/12mm) *
PLATES			
Approved Agfa Graphics plates	Azura TS, Azura TU, Amigo TS, Energy Elite, Energy Elite Pro, Energy Xtra, Thermostar P970		
TROUHPUT *			
:Energy Elite 1030 x 800 mm, 2400 dpi	23 pph	22 pph	23 pph
<small>*Throughput can be affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail.</small>			
INTERNAL PUNCHING			
Option <small>* N8 - 20 Sc model does not have registration punch as standard. When press punch is installed, the Registration Punch (option) is required.</small>	max 8	max 8*	Not available
PHYSICAL SPECIFICATIONS			
Dimensions (WxDxH)	2446 x 1295 x 1390 mm	2440 x 1295 x 1302 mm	2500 x 1820 x 1453 mm
Approx. Weight	1150 kg (2530 lbs)		945 kg (2083 lbs)
ENVIRONMENT			
Power requirements	220 - 240 V <small>A power supply is supplied from a main unit to AL S (AL M) / CO S (CO LR/LL) / BU-800</small>		
Temperature range	18° to 26°C (64,4° to 78,8°F)		
Humidity range	40% to 70% RH (not condensing)		
OPTION ITEM			
	N8-24 S	N8-20 Sc	B8-24 S
Registration Punch unit	Standard	Option (Mandatory for press punching)	Not available
Small size plate support	Standard	Option (Register punch mandatory)	Not available
Cleaning Roller unit	Standard	Option (Mandatory for Press punch)	Not available
Autoloader connection kit	Standard	Option (Mandatory for autoloading)	Not available
Rear discharge unit	Standard	Option (Mandatory for online processing)	Standard
FEED TRAY			
	Option (Rear discharge unit required)		Standard
SIGNAL TOWER			
Status indicator	Standard	Option	Not available
AL S			
Single-cassette autoloader	Option (Autoloader connection kit required)		Not available
AL M			
Multi-cassette autoloader	Option (Autoloader connection kit required)		Not available
CO C			
Build-in conveyor (for online processing)	Option (Rear discharge unit required)		Standard
CO S			
Straight conveyor	Option (Rear discharge unit required)		Not available
CO LR/LL			
L-conveyor (Right)	Option (Rear discharge unit required)		Not available
L-conveyor (Left)	Option (Rear discharge unit required)		Not available
AIR FILTER N			
	Option		Not available

Avalon N8 Autoloaders:
Reliable 8-up plateloading systems for increased productivity. A full array of Plateloading automation systems for the Avalon N8 series of 8-up thermal platesetters. These solutions offer innovative and user friendly designs for maximum operator utilization.



AGFA AVALON N16

Avalon N VLF, innovative and reliable VLF thermal platesetter systems

Agfa Graphics' Avalon N VLF line is the most extensive in the industry offering a size and configurations for all applications. The Avalon N16 series, the smallest in the Avalon N VLF range, offers full-featured VLF systems for customers with mid-size VLF plates. The Avalon N16 innovative platesetting systems have a reputation for solid dependability and offer a full assortment of advanced features such as internal punching. A full array of automation options is available.

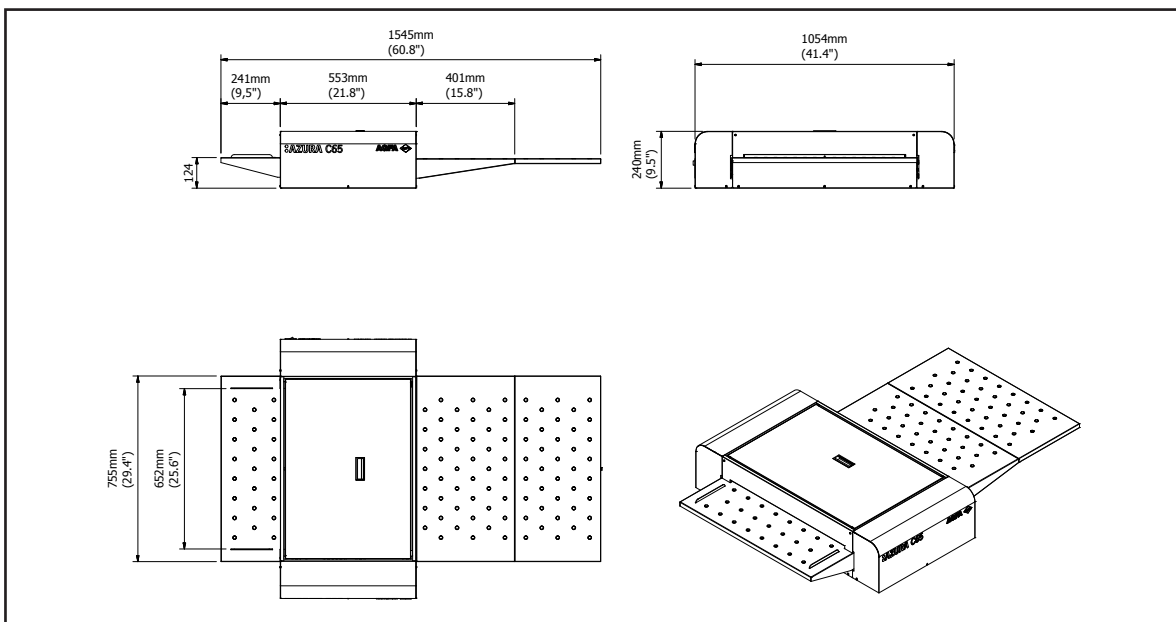
IMAGER		
Models	N16-50 E : 512 beams N16-50 S : 512 beams N16-50 XT: 512 beams	N16-80 XT: 1024 beams
Imaging System	Thermal Bar laser using Grating Light Valve (GLV) technology	
Laser technology	830 nm Thermal Laser Diode	
Recording system	External drum	
Resolution	2400 dpi	
PLATE SIZES		
Max. plate size (lead edge x wrap)	1,470 x 1,165 mm (57.8" x 45.8")	1,470 x 1,180 mm (57.8" x 46.4")
Minimum plate (lead edge x wrap)	650 x 550 mm (450 x 370 mm with small plate option) 25.6" x 21.7" (17.7" x 14.5" with small plate option)	
Thicknesses (option for 0.15 mm support available)	0.2 to 0.4 mm 8 to 16 mil	
Imaging size - Max	N16-50 E : 1470 x 1157 mm grip 3/5 mm N16-50 S : 1470 x 1154 mm grip 6/5 mm N16-50 XT: 1470 x 1154 mm grip 6/5 mm	N16-80 XT: 1470 x 1169 mm grip 6/5 mm
PLATES		
Approved Agfa Graphics plates	Amigo TS, Azura TS, Azura TU, Energy Elite, Energy Elite Pro, Energy Xtra, Thermostar P970	
PLATE HANDLING CONFIGURATIONS		
Plate loading		
Semi-automatic manual loading	Yes	
Multi cassette Autoloader	Yes (3 - 6 cassettes)	
Plate unloading		
Manual unload	Yes	
On-line processor (OLP)	Yes	
TROUGHPUT *		
Energy Elite Pro 1448 x 1143 x 0.4 mm plate , 2400 dpi	N16-50 E : 16 pph N16-50 S : 24 pph N16-50 XT: 30 pph	N16-80 XT: 42 pph
	*Throughput can be affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail.	
INTERNAL PUNCHING		
	N16-50 E : optional N16-50 S : standard N16-50 XT: standard	N16-80 XT: standard
PHYSICAL SPECIFICATIONS		
Dimensions (WxDxH)	2,740 x 1,775 x 1,515 mm (107.8" x 69.8" x 59.6")	
Approx. Weight	Approx. 1,640 kg (3,608 lbs.)	
ENVIRONMENT		
Temperature range	21° to 25° C (69.8° to 77.0° F)	
Humidity range	40% to 70% RH (non-condensing)	
Power	200 to 240 V, Single phase, 25 amps, 50 or 60 Hz (Autoloader 5 amps, Blower 10 amps, Chiller 4-8 amps)	
AUTOLOADERS		
N-16-AL M TRIPLE CASSETTE AUTOLOADER		
Plates per cassette - Triple models (The top cassette can only accommodate up to 0.3 mm plates)	0.4 mm: 60 0.3 mm: 75	
Removable cassettes	No	
Slip sheet removal	Included Capacity: 100 sheets	
Manual bypass	Yes	
PHYSICAL SPECIFICATIONS		
Footprint (W x D x H) total system	6,290 x 3,995 x 1,680 mm (247.6" x 157.2" x 66.1")	
Approx Weight (autoloader only, no plates)	1,150 kg (2,514 lbs.)	
Power	Supplied by main unit	
CONFIGURING		
Location of Loading unit	Right or left of engine	
Location of Cassette unit	Right or (and) left of loading unit	
FIELD UPGRADABILITY		
Upgrade three to six cassettes	Yes	

:AZURA C65 **New!**

- Chemistry-free solution
- For low volume applications
- Small foot-print
- Table top Clean-Out unit
- Tool-Free maintenance
- Minimum operational cost



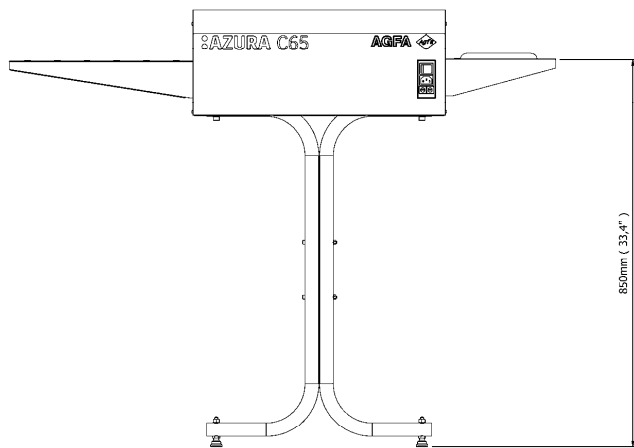
Table Top



Clean-Out Units

Clean Out	:AZURA C65
Platesetters	:Avalon N4 - :Azura C65 is a table top COU.
Plate types	:Azura chemistry-free negative working non-ablative thermal CtP plate
Plate width, min-max	200 - 650 mm (7.9 - 25.6")
Plate length, min	275 mm (10.83")
Plate thickness, min-max	0.15 - 0.30 mm (0.006 - 0.012")
Processing speed	60 cm/min (23.6"/min) , fixed
Brush speed	160 rpm. (fixed)
Throughput*	45 ph/hr max. (landscape 745 x 605 mm)
Weight	Crated: 98 Kg Uncrated: 70 Kg
Approvals	Complies with CE standards
Standard equipment	Small footprint, dual brush, feed table, exit table

Space requirements:
min. 0,8 m on left and right side
min. 1,0 m on front and rear side (off-line)

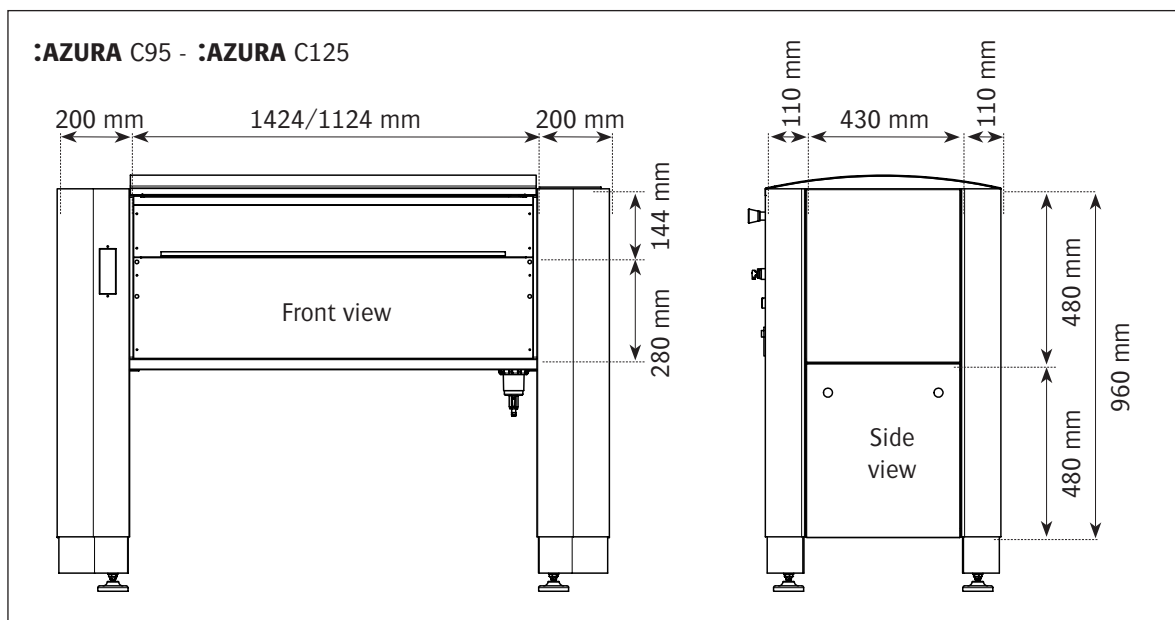


STAND (Optional)



:AZURA C95 - C125

- Chemistry-free solution
- Small foot-print
- Intelligent interface
- Tool-free maintenance
- Minimum operational cost



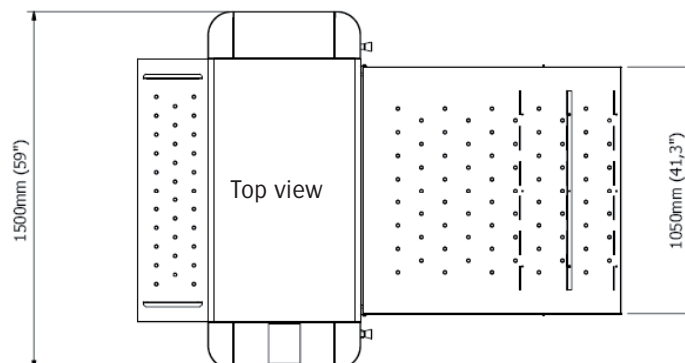
Clean-Out Units

Clean Out	:AZURA C95	:AZURA C125
Platesetters	:Avalon N4, :Avalon N8 + L-conveyor	:Avalon N8, :Avalon N16
Plate width, min-max	200 - 950 mm (7.9 - 37")	200 - 1250 mm (7.9 - 49.0")
Plate length, min-max	310 - 1100 mm (12.2 - 43.3")	
Plate thickness, min-max	0.15 - 0.30 mm (0.006 - 0.012")	
Processing speed	60 cm/min (23.6"/min) , fixed	
Throughput*	54 pl/hr (landscape 745 x 605 mm) 33 pl/hr (portrait 1030 x 790 mm)	42 pl/hr (landscape 1030 x 790 mm)
Weight	Crated: 260kg (573 lbs) Uncrated: 200 kg (441 lbs)	Crated: 310 kg (682 lbs) Uncrated: 210 kg (462 lbs)
Approvals	Complies with CE standards, c TUV US certification	
Standard equipment	Small footprint, dual brush, filter strainer, automatic container empty alarm, world-wide electrical configurable, user interface through a control panel with a two-line display, Function keys such as: <ul style="list-style-type: none"> • Eject plates key • Cleaning cycle key • Brush calibration key • Plate m² counter 	
Options	Feed table, exit table, drip tray Interface kit for: Agfa: :Avalon SF/LF + PlateManager :Acento & :Acento II Heidelberg: Suprasetter 74 Topsetter 74 Screen: PT-R 4000 series Kodak: Trendsetter 400	Agfa: :AvalonSF/LF straight Heidelberg:Suprasetter 105 (semi-automatic) Screen: PT-R 8000 series, Screen-conveyor in use Kodak: Trendsetter 800

* in stand alone configuration

Space requirements:

min. 0,8 m on left and right side
min. 1,0 m on front and rear side (off-line)

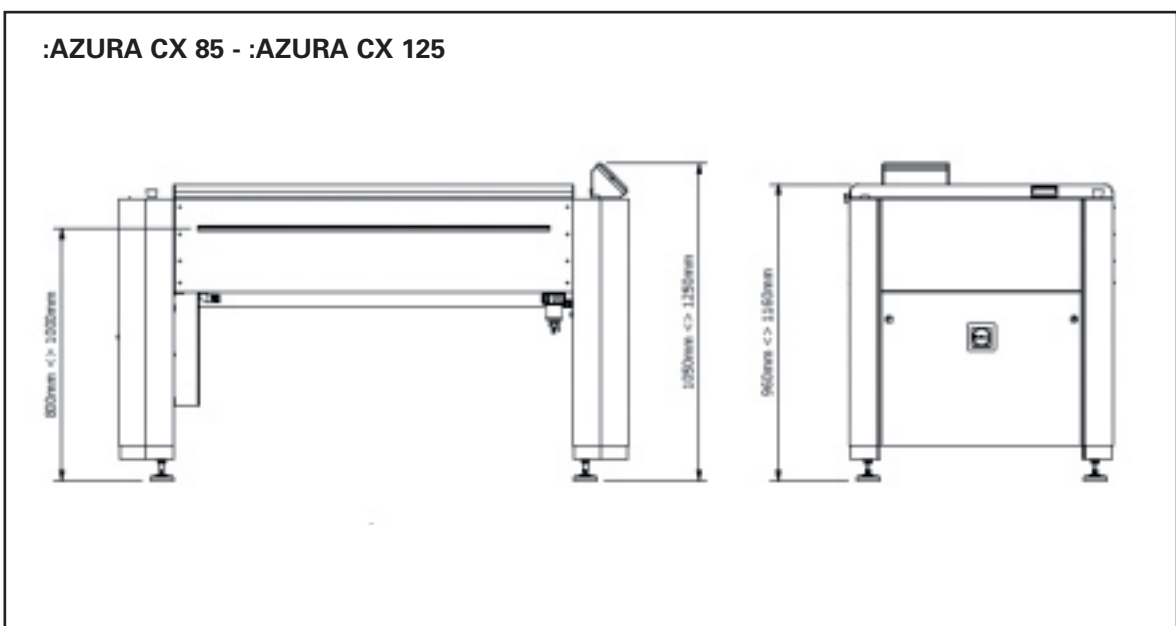


:AZURA CX 85 - 125

- Smart Eco friendly Clean-Out
- Low power consumption
- Azura Ease of use for High End
- Chemistry-free solution for high volume
- State of the art user interface



:AZURA CX 85 - :AZURA CX 125

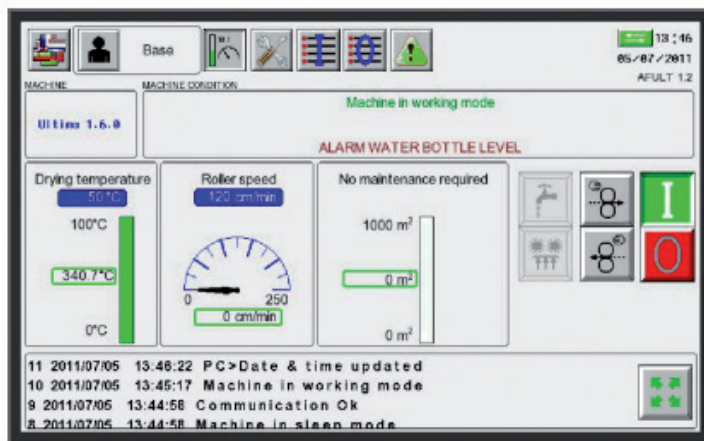


Clean-Out Units

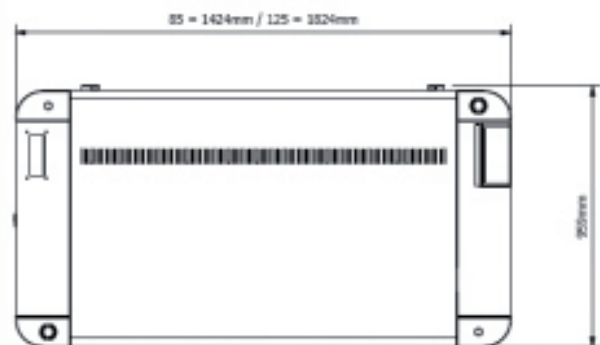
Clean Out	AZURA CX 85	AZURA CX 125
Platesetters	Avalon N4, Avalon N8 + L-conveyor	Avalon N8, Avalon N16, Avalon N24-N36
Consumption	water: 7 ml/m ² gum: 20 ml/m ²	water: 8 ml/m ² gum: 25 ml/m ²
Plate width, min-max	200 - 850 (7.9 - 33.5")	200 - 1250 mm (7.9 - 49.0")
Plate length, min	310 - 1100 mm (12.2 - 43.3")	
Plate thickness, min-max	0.15 - 0.30 mm (0.006 - 0.012")	
Processing speed	60 cm/min (23.6"/min) , up to 160 cm/min (63"/min)	
Throughput (ID = 400)	83 pl/hr (landscape 745 x 605 mm) 67 pl/hr (portrait 1030 x 800 mm)	
Weight	crated: 300 kg (661 lb) uncrated: 240 kg (529 lb)	crated: 360 kg (793 lb) uncrated: 300 kg (661 lb)
Crate Dimensions W x D x H	1550 x 1100 x 1200 mm (61.0 x 43.5 x 30.5")	1950 x 1100 x 1200 mm (76.8 x 43.5 x 30.5")
Approvals	Complies with CE standards, c TUV US certification	
Standard equipment	Small footprint, dual brush, filter strainer, automatic container empty alarm, world-wide electrical configurable, user interface through a touchscreen control panel. Software features: <ul style="list-style-type: none"> • LAN connection possible • Logbook • Service tool • input/output status overview 	
Options	Feed table, exit table, drip tray Interface kit for: Agfa: Avalon SF/LF + PlateManager Acento & Acento II Heidelberg: Suprasetter 74 Topsetter 74 Screen: PT-R 4000 series Kodak: Trendsetter 400	Agfa: Avalon SF/LF straight Heidelberg: Suprasetter 105 (semi-automatic) Screen: PT-R 8000 series, Screen-conveyor in use Kodak: Trendsetter 800

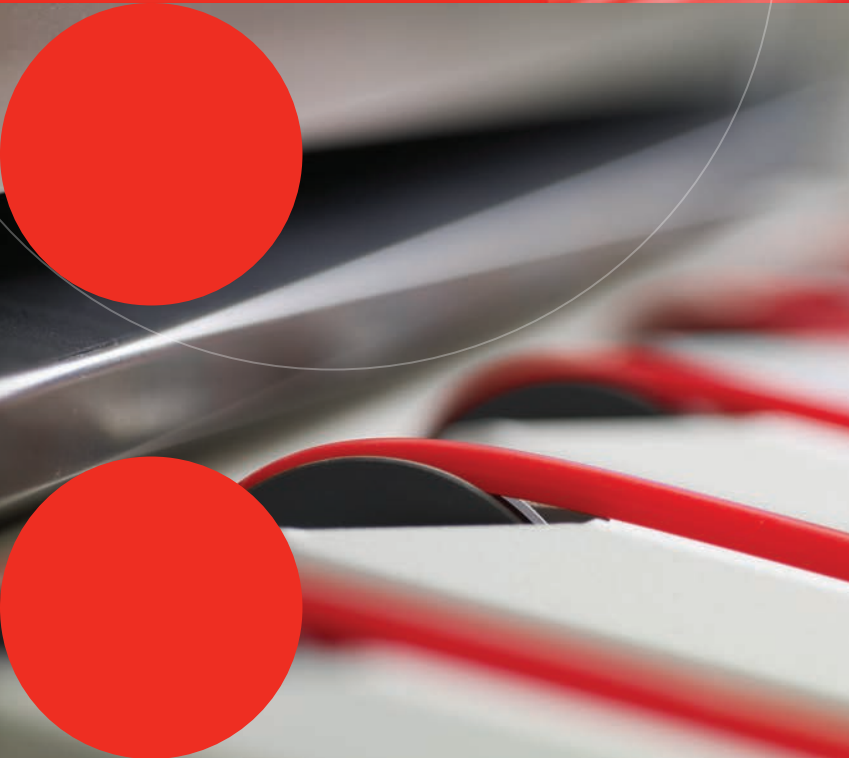
Space requirements:

min. 0,8 m on left and right side
min. 1,0 m on front and rear side (off-line)



Touch panel graphical interface





•Azura TS

Chemistry-free Thermal Plate System

Are you looking for a high speed, trouble-free and environmentally friendly platemaking system without ANY compromise on press?

Agfa Graphics offers you Azura TS! Simply EXPOSE, GUM and PRINT !

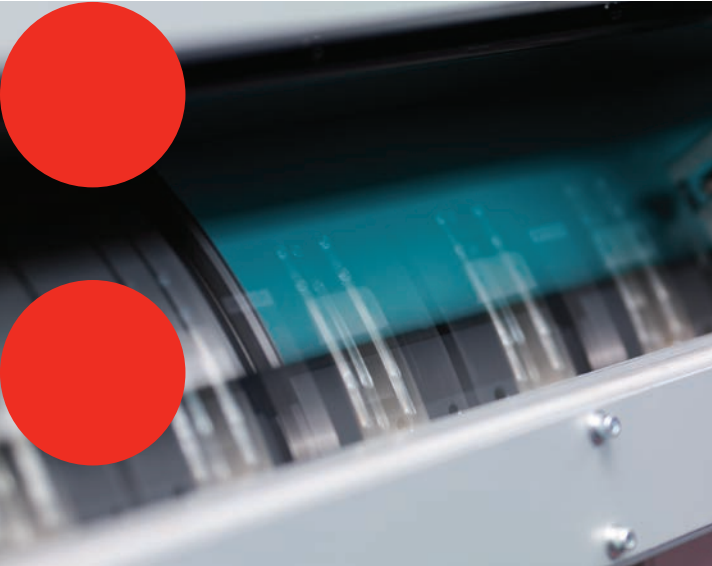
Agfa Graphics' mission is to develop innovative solutions.

Building on the proven success of the ground breaking and market leading ThermoFuse™ technology, Agfa Graphics is pleased to offer Azura TS - a fast and rich in contrast ecological way of making plates.

Azura TS eliminates the processing variables that you worry about and gives you the predictable and consistent quality that you need.

Azura TS meets the needs for commercial printing in 4-up and 8-up applications.

Azura TS



A breakthrough in CtP Convenience. The innovative Azura TS technology ensures simple, care-free plate production.

Press a button, expose a plate !

Because there are no processing variables to worry about anymore, Azura TS offers you consistent and reliable plates, ready for use. The Azura TS plate uses the innovative, proven ThermoFuse™ coating technology. This non-ablative thermal CtP technology gives consistent high-quality chemistry-free thermal CtP plates without any compromise on press.

After exposure, the Azura TS plates are cleaned and gummed in one simple step with the Azura Clean Out Unit (COU). This simple, compact and reliable unit requires no developer or replenisher. Nor does the COU need a range of speed settings, brush speeds, pH monitors or temperature controls. Everything is pre-set. The Azura TS plate is ready in minutes with no possibility of image degradation or variation. Thanks to its unique concept, Azura TS gives you reliable, consistent and care-free plate production.

Reliable Plates with Predictable Performance

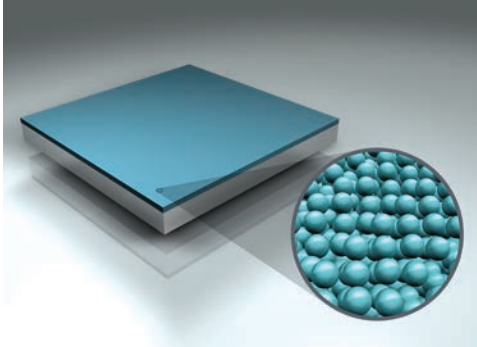
Azura TS is suitable for a wide range of commercial printing applications on both sheet-fed and web presses. It delivers razor-sharp image definition without having to change press operating conditions or working practices. It can hold up to 2-98 % screen tints at 200 LPI and 240 lpi Sublima, depending on platesetter capability and delivers runs of up to 100.000, depending on press conditions. Azura TS uses Agfa Graphics' 'Flat Grain Technology', the high quality grained and anodised aluminium substrate that results in uncompromising press performance with fast ink roll-up and consistent ink/water balance. This shortens make ready, minimising paper waste and downtime and all this using your existing press chemistry - there is no need to change inks, founts or plate cleaners.

The end result is MORE EFFICIENCY!



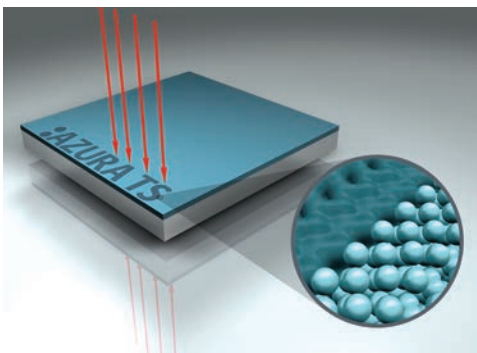
Azura Clean Out Unit (COU)

No developer or replenisher required. Everything is pre-set.
Cleaned and gummed in one simple step.



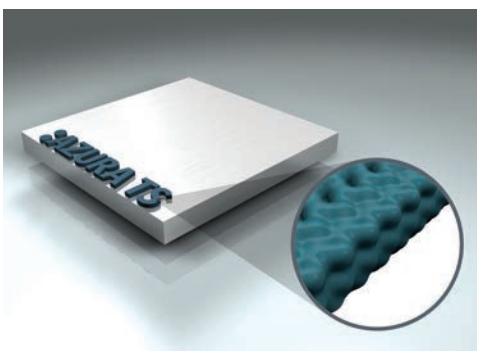
Unexposed Azura TS plate

The single layer coating contains ink accepting ThermoFuse™ pearls.



Exposed Azura TS plate

The coating absorbs energy from the 830nm laser imaging head. The ThermoFuse™ pearls fuse firmly to each other and bond strongly to the grained and anodised aluminium base.



Gummed Azura TS plate

Application of the gum washes away the unexposed plate areas and creates a protective gum layer.
The Azura TS plate is now ready for printing.

Working principle

Azura TS comprises Agfa Graphics' "Flat Grain Technology" – an electrochemically grained and anodised aluminium base that is coated with a single layer containing ink-accepting ThermoFuse™ particles, small enough to deliver razor-sharp highlight reproduction. During the exposure on standard 830nm thermal platesetters, in the image areas the coating absorbs the heat. This heat causes these particles to fuse to each other and bond firmly to the aluminium substrate. What were once individual particles, now become a solid ink-accepting image - tough enough to achieve 100.000 run lengths.

As such, the Azura TS image formation is a 100% physical process, not a chemical one.

The non-imaged areas can now easily be removed, by washing away with the Azura TS gum in the Clean-Out Unit. At the same time, the gum protects the hydrophilic aluminium substrate from oxidation.

The Azura TS plates are now ready for the press where they print directly from the aluminium substrate giving the excellent lithographic latitude expected from Agfa plates – low dampening levels giving bright colours whilst using less ink.

CtP made simple

In summary, this ground breaking Chemistry-free Azura TS CtP technology offers you:

- Non-ablative thermal plates
- Care-free platemaking
- Robustness in the press-room
- Excellent printing characteristics with no press changes required

A physical image formation, printing directly from aluminium, excellent and predictable press performance, robust plates with wide working latitude, guarantees you "CtP, made simple"!

Plate Specifications	
Plate type	Negative-working
Coating	ThermoFuse™, 830 nm sensitive
Gauges	0.15, 0.20, 0.24, 0.30 mm (0.006", 0.008", 0.010", 0.012")
Substrate	High quality grained and anodised aluminium - Agfa Graphics' "Flat Grain Technology"
Sizes	Standard sheetfed and web sizes
Laser energy	200 mJ/cm ²
Resolution*	Up to 2 - 98 % at 200 lpi – Sublima 240 lpi (*depending on imaging conditions)
Plate developer	Not required
Latent image stability	24 hours
Plate contrast	Excellent image contrast. Plates can be measured with all available densitometers and platereaders
Storage conditions	Ambient temperatures below 50°C / 50°C not to be exceeded for >24 hours
Run length	Up to 100.000 dependent on press conditions
Plate baking	Not possible
Agfa Graphics' Optimised Pressroom Chemicals	
Plate Cleaner	Antura CtP Plate Cleaner
Washout Gum	Antura CleanGum
Deletion pen or gel	KP23 - KP010 - KP011 or KP012
Normal short term storage (max 7 days)	RC795
Baking gum	not applicable
Desensitizer	PlateEtch Plus
Scratch Remover	Reviva Plate
Fountain Solutions	Azura TS is compatible with all AGFA fountain solutions
Roller and blanket washes	Azura TS is compatible with all AGFA roller and blanket washes

COU type	Azura C95	Azura C125
Mechanical Specifications		
Plate width	min – max 200-950 mm (7.9" - 37.4")	min – max 200-1250 mm (7.9"- 49.2")
Plate length	min – max 310-1100 mm (12.2"-43.3")	min – max 310-1100 mm (12.2"- 43.3")
Plate thickness	0.15 – 0.30 mm (0.006" – 0.012")	0.15 – 0.30 mm (0.006" – 0.012")
Plate speed	60cm/min (23.6"/min), fixed	60cm/min (23.6"/min), fixed

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates. Not all plates are available in every region. Contact your local Agfa representative for more information.



•Azura TU

Chemistry-Free Thermal Plate System for Demanding Sheet-fed Commercial Applications. Unlimited printing. Unmatched performance.

Designed for high-volume printing, Azura TU simplifies platemaking, delivers uncompromising quality and is easy on the environment.

Azura TU is a true chemistry-free plate that can handle print runs up to 150,000 copies. Based on Agfa Graphics' award-winning ThermoFuse™ technology, Azura TU outperforms every other plate in its class. If you insist on delivering the highest possible quality, want to dramatically reduce time-to-press and are concerned for the environment, then this is the plate system for you.

Azura TU

Unlimited Printing. Unmatched Performance. A Breakthrough in Chemistry-Free Platemaking



Unlimited Printing

Azura TU puts the power of chemistry-free production into the hands of the most demanding sheet-fed commercial printers. Runlengths of up to 150,000 copies are now in reach with one single plate.

Unmatched Performance

Uncompromising Quality

With Azura TU, the image is created during exposure and the non-image areas are cleaned out in one simple gumming step. Opposed to conventional platemaking, all processing variables are eliminated. This results in a stable and consistent image, exactly as intended by the original data. Azura TU delivers razor-sharp quality, even up to 240 lpi Sublima screening.

Faster Platemaking

With a plate sensitivity of 160 mJ/cm² a maximum plate throughput can be achieved on most commercial CtP platesetters. In combination with Agfa Graphics' Avalon N8-80XT, a plate throughput of more than 50 B1 plates per hour is now within reach.

Easier Handling

Azura TU provides the convenience of daylight operation, and its robust, scratch-resistant surface provides easy handling. The plate's strong image contrast allows for simple visual inspection and quality control and ensures that plates are mounted on press in the right order. Azura TU is made of high-grade aluminum, which reduces remakes of plates and eliminates mistakes during the printing process.





Azura TU's strong image contrast allows for simple visual inspection.

Better for the Environment

True chemistry-free speaks for itself. As the image formation is a physical process, there is no need for developer or replenisher. No chemicals means less disposal costs, a safer work environment and less waste. Azura TU's environmental advantages encompass the entire platemaking system.

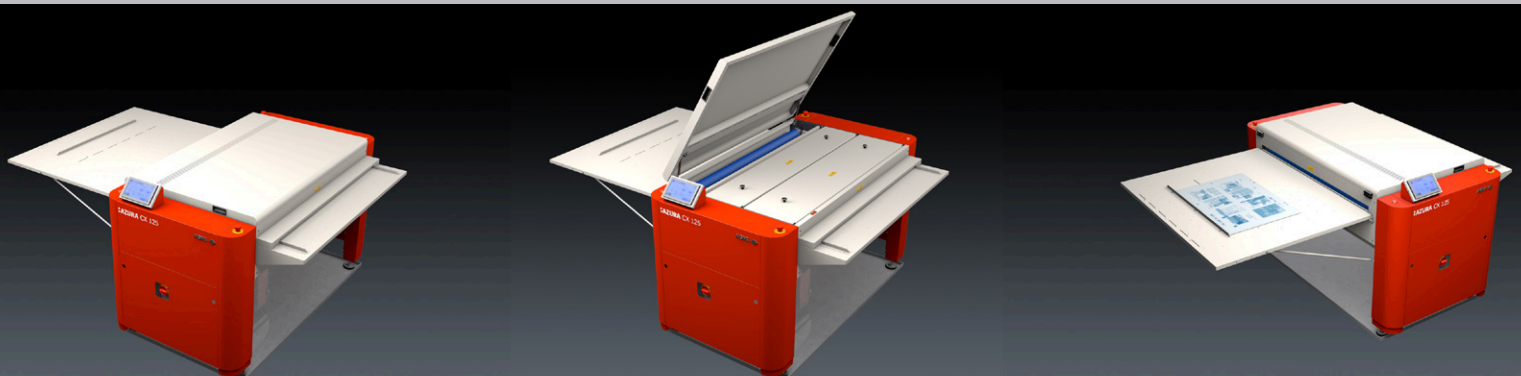
The Amazing Azura CX Clean-Out Unit

The Azura CX COU completes platemaking with a simple clean-out step. An extremely long gum bath life of up to 7.000 m² reduces equipment maintenance to an absolute minimum. On top of that, the time spent on the cleaning is by no means comparable to that of conventional thermal processors, as a simple water flush is all that is required.

There's even more. Switching from a conventional thermal processing system to Azura TU equals water savings of more than 95%. Less water means less waste – less waste means better for the environment.

The Azura CX clean-out unit uses a simple pH-neutral gum. Eliminating critical processing parameters such as temperature or conductivity avoid unwanted process instability and consequent plate image artifacts. The result is an absolutely reliable and consistent plate quality. On press, Azura TU provides excellent lithographic behavior thanks to the gum-protected aluminum surface.

Azura CX Clean Out Unit (COU)
No developer or replenisher required. Everything is pre-set.
Cleaned and gumed in one simple step.



Proven ThermoFuse™ Technology... Expose. Gum. Print.

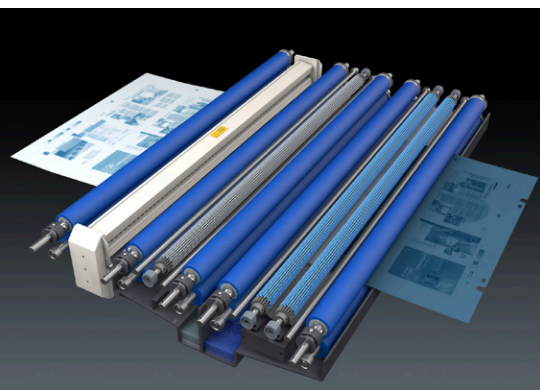
Hailed by the media since 2004, Agfa Graphics' ThermoFuse™ technology continues to make headlines. That's because it is the only system that is truly chemistry-free. Since the launch of the first Azura plate ten years ago, Agfa Graphics' ThermoFuse™ has been the leading technology in sustainable platemaking. With Azura TU, Agfa Graphics expands its reach to serve all sheet-fed commercial printers. All of them can now benefit from the established advantages of the ThermoFuse™ technology.

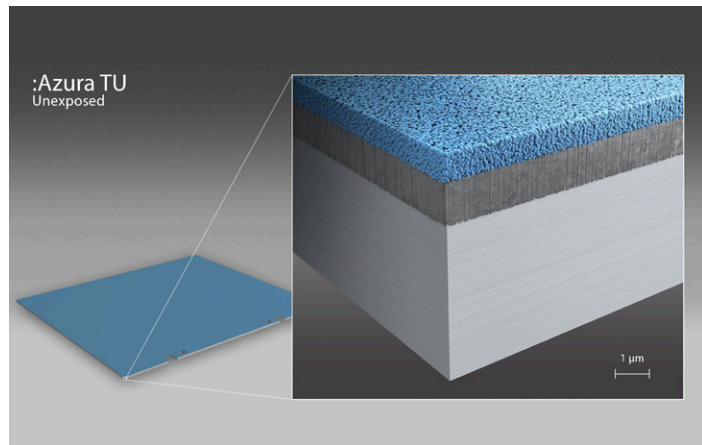
Working principle

Azura TU comprises Agfa Graphics' Flat Grain Technology — an electrochemically grained and anodised aluminum base that is coated with a single layer, containing ink-accepting ThermoFuse™ particles, small enough to deliver razor-sharp highlight reproduction. During the exposure on standard 830nm thermal platesetters, the coating absorbs the heat. This heat causes these particles to fuse to each other and bond firmly to the aluminum substrate. What were once individual particles now becomes a solid ink-accepting image — tough enough to achieve 150.000 copies.

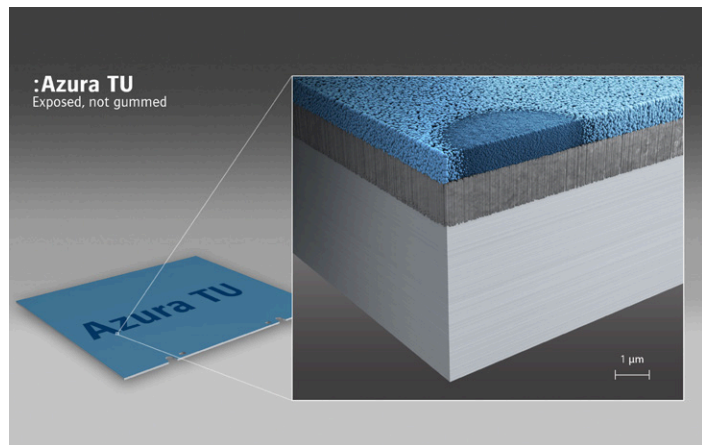
As such, the Azura TU image formation is a 100% physical process, not a chemical one. The non-imaged areas can easily be washed away with the Azura CX gum in the Azura CX clean-out unit. At the same time, the gum protects the hydrophilic aluminum substrate from oxidation.

The Azura TU plates are now ready for the press where they print directly from the aluminum substrate, giving the excellent lithographic latitude expected from Agfa Graphics plates – low dampening levels giving bright colors whilst using less ink.

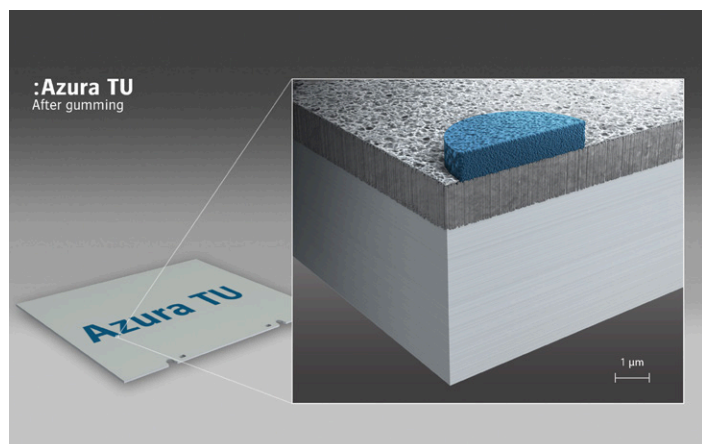




Unexposed Azura TU plate
The single-layer coating contains ink-accepting ThermoFuse™ pearls.



Exposed Azura TU plate
The coating absorbs energy from the 830nm imaging head. The ThermoFuse™ pearls fuse firmly to each other and bond strongly to the grained and anodized aluminum base.



Gummed Azura TU plate
Application of the gum washes away the unexposed plate areas and creates a protective layer. The Azura TU plate is now ready for printing.

PLATE SPECIFICATIONS	
Technology	ThermoFuse™ negative-working
Substrate	High-quality grained and anodized aluminum
Spectral sensitivity	830nm thermal
Plate sensitivity	160 mJ/cm ² ⁽¹⁾
Platesetter compatibility	Accredited for most common 830nm external drum platesetters
Resolution AM/XM	up to 1-99% at 240 lpi Sublima ⁽¹⁾
FM capability	20 µm ⁽²⁾
Daylight resistance	up to 48 hours in full daylight
Image contrast	Excellent. The plates can be measured with all available densitometers and plate readers
Application	High quality commercial sheet-fed and short run web-fed
Runlength	up to 150.000 copies ⁽³⁾
Runlength UV	up to 10.000 copies ⁽³⁾
Post-baking	Not possible
Gauges	0.15 - 0.20 - 0.24 - 0.30 mm
Shelf life	24 months
CLEANING	
Clean-out unit	Azura CX85 and CX125 clean-out unit
Developer	None - (chemistry-free)
Replenisher	None - (chemistry-free)
Gum	Azura CX Gum
Bath life	up to 7.000 m ²
OPTIMIZED AGFA GRAPHICS PRESSROOM CHEMICALS	
Plate cleaner	Antura CtP plate cleaner
Overnight plate cleaner	Antura clean gum
Deletion pen	KP010 - KP011 - KP012
Desensitizer	PlateEtch Plus
Scratch remover	Reviva plate
Fountain solution	Azura TU is compatible with all Agfa Graphics fountain solutions
Roller and blanket wash	Azura TU is compatible with all Agfa Graphics roller and blanket washes
Storage gum	RC795 for short-term plate storage after printing RC73 for long-term plate storage after printing

AZURA CX CLEAN-OUT UNITS		
	AZURA CX 85	AZURA CX 125
Consumption water gum	7 ml/m ² 20 ml/m ²	8 ml/m ² 25 ml/m ²
Plate width, min-max	200 - 850 mm (7.9 - 33.5")	200 - 1250 mm (7.9 - 49.0")
Plate length, min-max	310 - 1100 mm (12.2 - 43.3")	
Plate thickness, min-max	0.15 - 0.30 mm (0.006 - 0.012")	
Processing speed	160 cm/min (63"/min)	

- ⁽¹⁾ depending on imaging device
⁽²⁾ depending on imaging device and screening algorithm
⁽³⁾ depending on printing conditions

www.agfagraphics.com/azura

:Azura Vi

Violet Platemaking with a Shade of Green

:Azura Vi is Agfa Graphics' latest addition to the range of photopolymer offset plates. Like other violet offset plates, it is sensitised for visible lasers emitting at 405 nm, but, instead of requiring a chemical developer for processing, :Azura Vi is Agfa Graphics' first violet plate designed for chemistry-free operation.

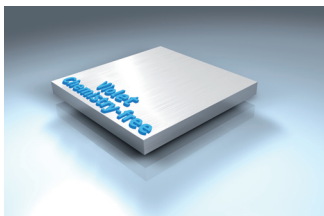
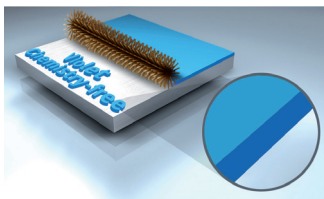
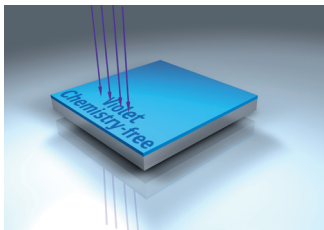
:Azura Vi testifies to Agfa Graphics' unremitting commitment to innovation and this plate's technology is designed to provide outstanding plate performance with low cost of operation.

Reduced Cost with Greater Image Consistency

Based on proven photopolymer technology, :Azura Vi combines outstanding lithographic quality with easy handling and excellent durability. However, because it is a chemistry-free plate there is no need for a developer, so eliminating one of the main variables affecting image consistency. Instead of using standard plate processors, printers can now use simple, less expensive clean-out units (COU). However, when preferred, it is also possible, with the installation of a simple modification kit, to re-use an existing Agfa Graphics plate processor as a COU. All these benefits are important to commercial printers looking to streamline, simplify and reduce costs. Chemistry-free operation increases the green credentials of any printer keen to minimise their environmental impact. Violet diode platesetters excel at low cost of ownership, extremely long life span and absolute reliability. :Azura Vi is yet more proof of the lasting success of violet CtP.

Imaging & Processing Principle

This new, chemistry-free plate works with all mainstream violet CtP units currently in use at commercial print sites across the world and emitting at least 30 mW. During exposure, the violet laser diode starts the polymerisation of the image area, which is completed in the preheat section of the COU. Subsequently the plate is gummed with industry standard plate gum, during which process the soft, unexposed non-image area is easily and cleanly removed.



:Azura Vi

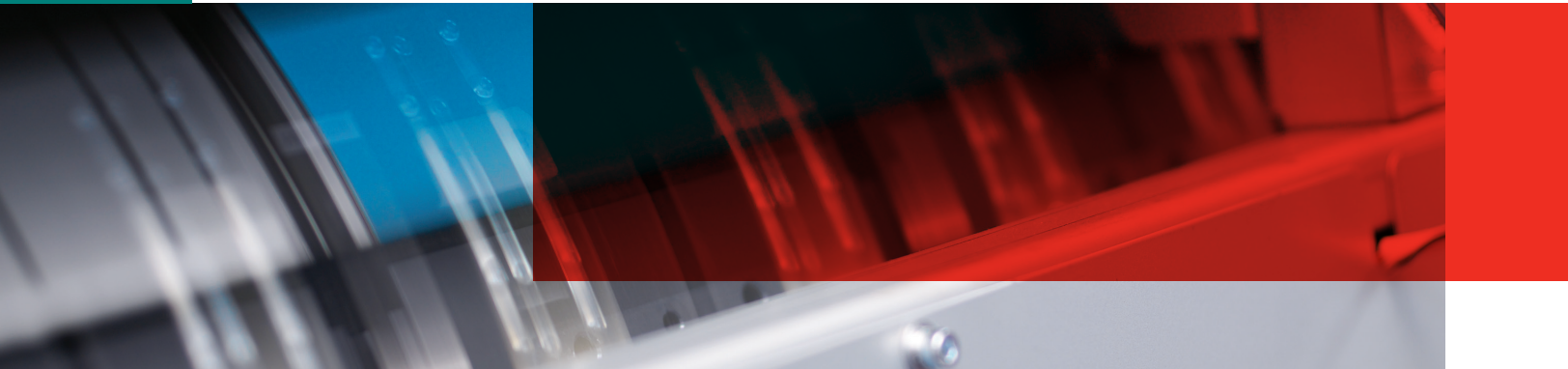


Plate Specifications

Plate type	Negative-working high-speed, chemistry free laser plate
Coating	Photopolymer
Gauges	0.15, 0.20, 0.30 mm
Surface	Electrochemically grained and anodised
Sizes	Commercial web & sheetfed
Spectral sensitivity	405 nm violet laser diode
Resolution*	3 - 97% at 200 lpi for :ABS 1 - 99% at 210 lpi for :Sublima
Processor	Clean Out Unit Agfa VCF 85 or modified Agfa processor
Chemistry	Only dedicated gum
Working conditions	Operating temperature 21-25 °C Relative humidity 40-60 %
Storage conditions	Shelf life 18 months if kept at <30°C and relative humidity 30 -60%. Do not expose to 50°C temperatures for more than 24 hours.
Run length**	Up to 150,000 Not suitable for UV inks

*Resolution dependent on platesetter

**Run length dependent on press conditions.

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.
Not all our plates are available in every region. Contact your local Agfa representative for more information.

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Gums	Machine and manual	Not applicable
	Baking gum	RC510
Plate Correction pen (for unbaked plates)	Polymer deletion pen	
Plate Cleaner	Standard	ANTURA CtP Plate Cleaner
	LOW Voc / NON-VOC	ANTURA Low VOC Plate Cleaner
	Cleaning gum	ANTURA CleanGum
Fountain Solutions	Sheetfed	RC661 Prima FS404 AS ANTURA fount AFS(H)1 ANTURA fount (H)200 Prima FS808 AF
	Heatset	Prima FS909 AF(H) web ANTURA fount (H)700
	Coldset	Not applicable
Roller and blanket washes	Xtrawash Plus 40 & 60 Hydrowash Roto	

High Performance on Press

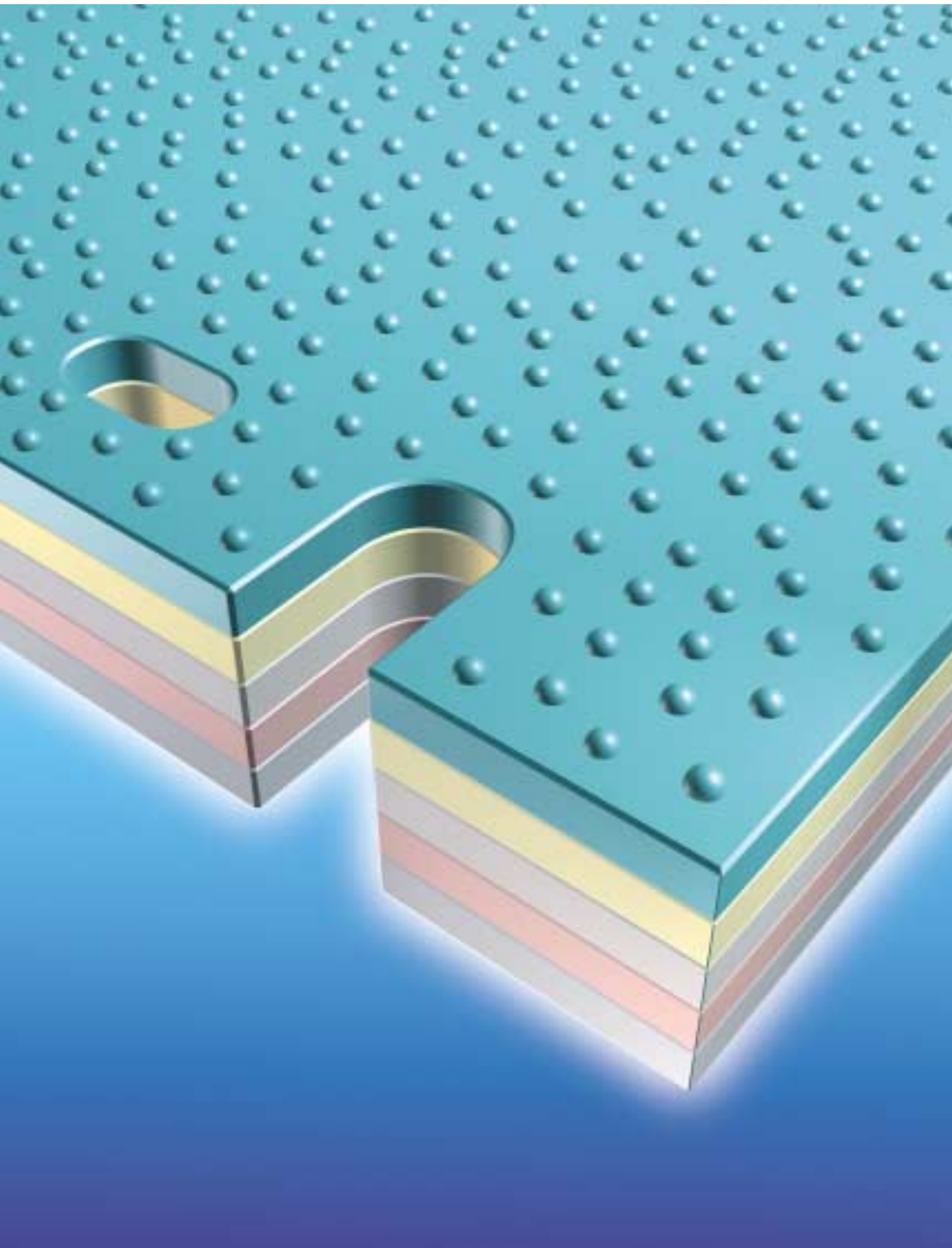
Although a chemistry-free plate, press operators will readily accept it as it looks, feels and behaves as any other metal offset plate. Normal plate densitometers can be used to read the plate without problems. With its high-contrast - dark image on a standard aluminium substrate - a quick visual check will quickly reveal possible errors (imposition, etc.).

:Azura Vi combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.

Durable Substrate

:Azura Vi provides the solid foundation for consistent press performance. Advanced electrochemical graining and anodising yield the reliability and robustness needed on an offset press and the durability required to produce long press runs.

Meridian P51



A general purpose positive plate for all applications



The Meridian P51 is a positive working analogue plate for all applications.

The longest tradition, the latest technology
Agfa has the most complete range of offset plates for analogue exposure available. The unique technology used in the manufacture of our plates has been perfected over 50 years, ensuring the very highest quality in both plate substrate and coating.

The combination of advanced electrochemical graining, anodizing and coating technology guarantees peak performance in the plateroom and the pressroom. Excellent vacuum drawdown, fast exposure, simple processing, rapid ink/water balance represent just a few of the many benefits that come as standard.

All print applications are catered for from the smallest sheet-fed printer to the largest commercial web house or newspaper. It's also worth remembering that Agfa plates are used in more printers worldwide than any other plate.

Meridian P51 is suitable for a wide range of applications from medium run sheet fed work to long run web printing.

The combination of fast vacuum drawdown and short exposure times make it ideal for high throughput users and step & repeat work.

The even electrochemical grain and strong anodic layer make this plate ideal for web offset printing. In addition, the clean running properties and consistent damping levels minimize paper waste and provide consistent print quality even at high print speeds.

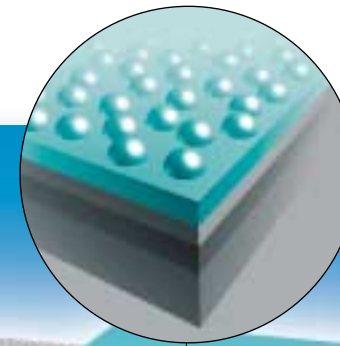
Key Benefits

- Fast efficient processing
- Short exposure time
- Highly visible image
- Good reproduction
- Trouble free press performance
- Low fountain solution consumption
- Rapid ink/water balance
- Medium to long run length
- Extra long runs using the Themodur baking process

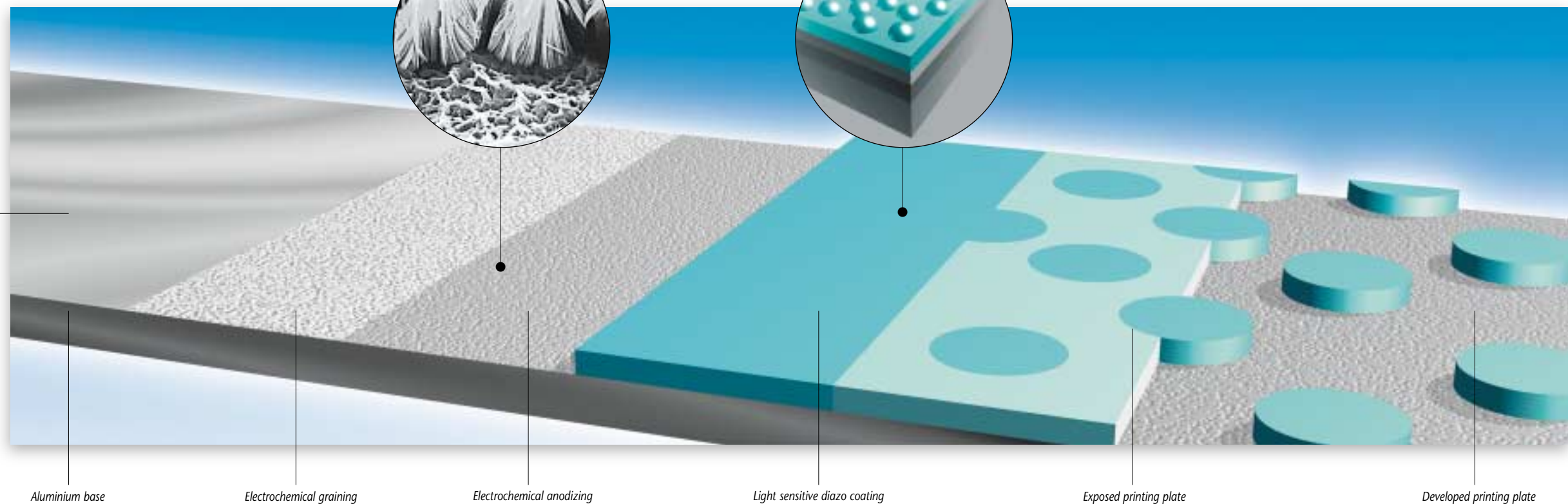
Unique graining and anodizing ensuring high quality results in the plateroom and the pressroom



Micro-particles on the coating provide the plate with excellent vacuum assist properties during film to plate exposure



Cross-section of Meridian P51 positive plate (computer generated)



Aluminium base

Electrochemical graining

Electrochemical anodizing

Light sensitive diazo coating

Exposed printing plate

Developed printing plate

- SMALL OFFSET ●
- COMMERCIAL SHEET ●
- PACKAGING ●
- COMMERCIAL WEB ●
- FORMS ●
- NEWSPAPER ●

Function	Specification
Plate Type	Electrochemically grained and anodized aluminium with a diazo based coating
Gauges	0.15, 0.20, 0.30, 0.40, 0.50 mm
Imaging Resolution	2 % - 98 % capability at 150 lpi/60 lpcm
Image Colour	Blue-green
Processor Type	All standard Positive Processors
Processing Chemicals	Agfa Positive Developers
Run length	Medium to long runs

Argentina (Paraguay and Uruguay)
 Regional del Plata, Agfa-Gevaert, Argentina S.A.
 Tel.: 54-11-4-958-5767/5770, 54-11-4-983-5052
Australia, Agfa-Gevaert Ltd.
 Tel.: 61-3-9264-7711, Fax: 61-3-9264-7895
Austria, Agfa-G.m.b.H.
 Tel.: 43-1-89112-3290, Fax: 43-1-89112-3204
Belgium, Agfa-België N.V.
 Tel.: 32-3-450-9866, Fax: 32-3-450-9888
Belgium, Agfa-Gevaert N.V., Direct Export
 Tel.: 32-3-444-7120, Fax: 32-3-444-7119
Brazil, Agfa-Gevaert do Brasil Ltda.
 Tel.: 55-11-5188-6430, Fax: 55-11-5188-6469
Canada, Agfa Inc.
 Tel.: 416-241-1110 Ext: 4032, Fax: 416-241-5409
Caribbean and Central America
 Bayer Corporation, Agfa Division
 Tel.: 305-592-6522, Fax: 305-593-8521
Chile, (Bolivia, Equador, Peru)
 Agfa-Gevaert Ltda.
 Tel.: 56-2-360-7600, Fax: 56-2-360-7642
China, Hong Kong - Agfa Hong Kong Ltd.
 Tel.: 852-2555-9421, Fax: 852-2555-2480
Columbia, Sistemas Graphics de Columbia Ltd.
 Tel.: 511-426-6406, Fax: 511-426-4888
Czech Republic, Czech Republic, Agfa s.r.o.
 Tel.: 420-2-66101-623, Fax: 420-2-66101-699
Denmark, Agfa-Gevaert A/S, Grafiske Systemer
 Tel.: 45-4326-6766, Fax: 45-4326-6701
Finland, Oy Agfa-Gevaert, AbGraafiset järjestelmät
 Tel.: 358-9-88781, Fax: 358-9-8878-278
France, Agfa-Gevaert S.A.
 Tel.: 33-14-099-8855, Fax: 33-14-099-7996
Germany, Agfa Deutschland
 Vertriebsgesellschaft mbH & Cie.
 Tel.: 49-221-5717-0, Fax: 49-221-5717-248
Greece, Agfa-Gevaert A.E.B.E.
 Tel.: 30-1-576-3200, Fax: 30-1-574-4900
Hungary, Bayer Hungaria Kft, Agfa Division
 Tel.: 361-212-1540, Fax: 361-212-1574
Ireland, Agfa Ltd.
 Tel.: 353-1-450-6733, Fax: 353-1-456-5267
Italy, Agfa-Gevaert S.p.A.
 Tel.: 39-02-3074-1, Fax: 39-02-3074-429
Japan, Agfa-Gevaert Ltd.
 Tel.: 81-3-5704-3140, Fax: 81-3-5704-3089
Korea, Agfa Korea Ltd.
 Tel.: 82-2-2-262-4200, Fax: 82-2-2-274-9764
Luxembourg, Agfa-Gevaert S.A.
 Tel.: 352-44-20-441, Fax: 352-45-04-37
Malaysia, Agfa Film (Malaysia) Sdn. Bhd.
 Tel.: 60-3-7574200, Fax: 60-3-7574700
Mexico, Bayer de Mexico S.A. C.V., Agfa Division
 Tel.: 525-728-3213, Fax: 525-728-3210
Netherlands, Agfa-Gevaert B.V.
 Tel.: 31-70-413-1211, Fax: 31-70-413-1585
New Zealand, Bayer New Zealand Ltd.
 Agfa Division
 Tel.: 64-9-443-5500, Fax: 64-9-443-8855
Norway, Agfa-Gevaert A.S., Grafiske Systemer
 Tel.: 47-67-06-8800, Fax: 47-67-06-0753
Poland, Agfa Sp. z o.o.
 Tel.: 48-22-636-7576, Fax: 48-22-838-9203
Portugal, Agfa-Gevaert Lda
 Tel.: 35-11-414-6700, Fax: 35-11-414-6780
Singapore, Agfa Singapore Pte. Ltd.
 Tel.: 65-261-3389, Fax: 65-265-6559
South Africa, Agfa (Pty.) Ltd.
 Tel.: 27-11-921-5564, Fax: 27-11-921-5548
Spain, Agfa-Gevaert, S.A.
 Tel.: 34-93-476-7600, Fax: 34-93-476-7856
Sweden, Agfa-Gevaert AB
 Tel.: 46-8-793-0100, Fax: 46-8-793-0171
Switzerland, Agfa-Gevaert AG
 Tel.: 41-1-823-7111, Fax: 41-1-823-7376
Taiwan, Bayer Taiwan Ltd., Agfa Division
 Tel.: 886-2-2503-9123, Fax: 886-2-2504-4819
UK, Agfa Gevaert Ltd.
 Tel.: 44-208231-4929, Fax: 44-208231-4957
USA, Agfa Corporation
 Tel.: 800-227-2780, Fax: 908-534-5151
Venezuela, Agfa-Gevaert de Venezuela S.A.
 Tel.: 58-2-203-9000, Fax: 58-2-239-0477
Agfa Finance (Belgium)
 Tel.: 32-3-444 7190, Fax: 32-3-444 7192

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for particular application. Any existing industrial property rights must be observed. All product specifications are subject to change without notice. Appearance of equipment ordered may differ from that of equipment shown in photographs.

May 2000 · ® = registered trade mark. Offset printing with ® Agfa plates.
 Editor: Agfa-Gevaert AG · Graphic Systems · Werk Wiesbaden · Germany

Internet addresses:
www.agfahome.com
www.digitalroadmaps.com

© Copyright 2000 Agfa-Gevaert Corporation.
 All rights reserved. Printed in Germany.

NFJR8



:SUBLIMA

Details You Can Feel
With Your Eyes.

CAPTURING REALITY ON PAPER

This is :Sublima intelligent screening technology – the newest innovation from the engineers of Agfa. Every page of this brochure displays the extraordinary print quality and remarkable detail you can achieve with :Sublima in your current Agfa workflow – with no extra effort on press. :Sublima’s XM (Cross-Modulation) advanced screening technology combines the proven quality of Agfa Balanced Screening (AM) with Agfa’s patented FM screening implementation. The result is a remarkably simple, easy and cost-effective way to achieve higher screen rulings up to 340 lpi. :Sublima screening provides a strong competitive edge in the marketplace by delivering vibrant colours and extraordinary detail that capture reality on paper.

:SUBLIMA SMOOTH

All the softness of a face framed with delicate fabric in this portrait is screened with :Sublima and printed without any additional effort on press. :Sublima also smoothly renders the gentle gradations in the background tones of the fragrance decanter.





MANE
ATTRACTION

:Sublima makes every silky strand of this handsome mane leap from the page. The bright white detail held with :Sublima screening heightens the impact of the photographs with an intensity that conventional screening can't match.





:SUBLIMA TECHNOLOGY
BRINGS OUT EVERY DETAIL

:Sublima's XM technology delivers fine details on press even in the lightest highlights and in the deepest shadows. With :Sublima, presses can automatically provide superb print quality and detail – pleasing even the most demanding brand marketers and print buyers.



EXTREME DETAIL

Even with subjects so soft and tonally white like a downy comforter, or with the unique subtlety of skin, :Sublima delivers incredible printable detail that you can almost touch. Using higher line frequencies, :Sublima practically eliminates the chance of a screen conflict with subject matter that can cause moiré.



REVEALING SHADOWS

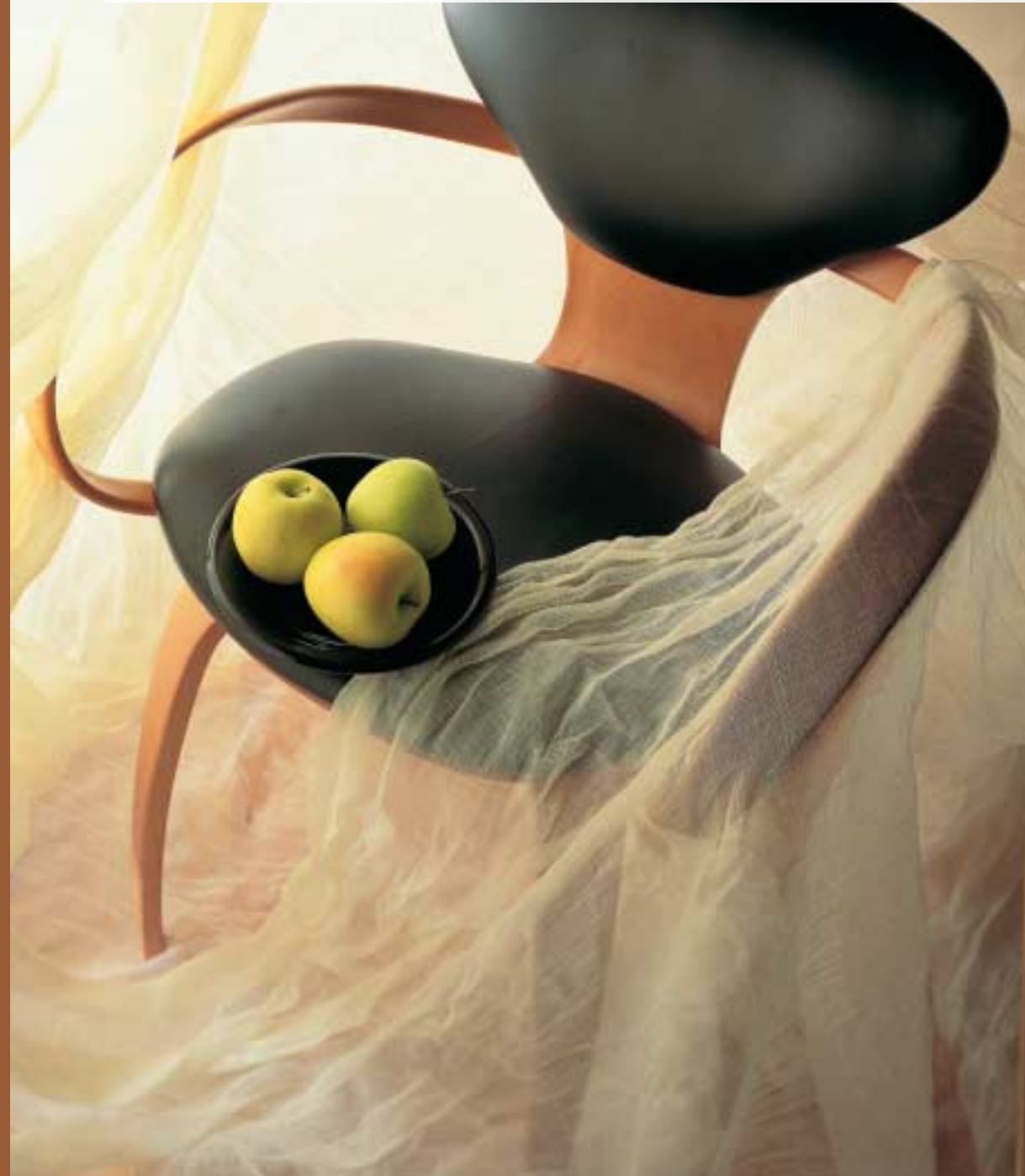
:Sublima screening reveals all the details in this still life image even in the shadows behind the apple. Without any extra effort, the same :Sublima screening accurately renders the contours and catches every detail of the smooth ceramic surfaces as well as the texture of the wood grain in this image.

INTELLIGENT SCREENING
UNIMAGINABLE DETAIL
ASTONISHING SIMPLICITY

:Sublima's intelligent, high-quality screening takes place automatically in your Agfa RIP. In addition to producing dazzling detail with no extra investment or effort on press, :Sublima also enables you to create spot colours with a CMYK build that simulates special PMS brand colours. With :Sublima, knock-outs from process builds are smooth. Even fine typographic elements can now be cost-effective process builds rather than spot colours, freeing fifth and sixth press units for creative options like spot varnishes or metallics. By every measure, :Sublima gives printers the ability to easily provide significantly higher quality results with lower costs.

SMALL DETAIL

From delicate gossamer to rugged leather and wood grains, :Sublima screening reproduces textures with a wealth of fine detail in large and small image formats with no additional effort or capital investment. Regardless of image size, :Sublima's consistently higher quality delivers details you can almost feel with your eyes.





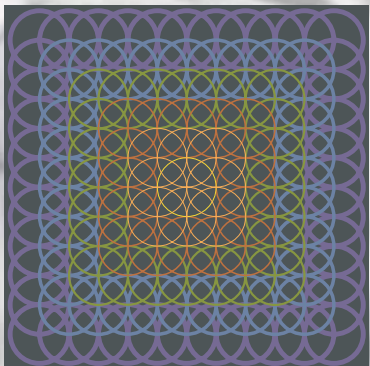
:SUBLIMA

Details You Can Feel
With Your Eyes.

:Sublima intelligent screening technology will enhance any sheetfed or web printing project. :Sublima delivers exceptional highlight and shadow details even in small or

black-and-white images – on text, cover, coated or uncoated stocks. :Sublima's ability to hold fine, smooth lines and knock-outs using only CMYK builds is unsurpassed.

This insert was produced with :Sublima XM screening at 340 lpi, entirely in four-colour process with an in-line overall aqueous coating. Printed in Belgium, using Agfa's :ApogeeX workflow. Imaged on an :Xcalibur45 platesetter at 2400 dpi, using :Thermostar plates.



Argentina (Paraguay and Uruguay) +5411 4958 9300

Australia +61 3 9279 6300

Austria +43 1 222 2222

Belgium +32 3 450 9736

Belgium Direct Export +32 3 444 7120

Brasil +55 11 5188 6444

Canada +1 416 241 1110 4053 or 877 753 2431 toll free

Caribbean and Central America +305 2135311

Chile (Bolivia,Peru) +56 2 360 7600

China, Hong Kong +852 2555 9421

Colombia (Ecuador) +57 1 425 2790

Czech Republic +420 2 6610 1623

Denmark +45 4326 6766

Finland +358 9 8878 319

France +33 1 4732 6905

Germany +49 221 5717 0

Greece +30 1 570 6500

Hungary +36 1 212 1540

Ireland +353 1 450 6733

Italy +39 02 3074 220

Japan +81 3 5704 3140

Korea +82 2 2262 4200

Luxembourg +352 442 0441

Malaysia +603-7953 5800

Mexico +52 55 52 767600

Netherlands +31 70 413 1211

New Zealand +64 9 443 5500

Norway +47 67 06 88 00

Poland +48 22 3 111 940

Portugal +351 21 414 6700

Singapore +65-6214 0110

South Africa +27 11 921 5911

Spain +34 93 476 7600

Sweden +46 8 793 0100

Switzerland +41 1 823 7111

Taiwan +886 2 2516 8899

UK +44 20 8231 4929

USA 800 227 2780 toll free

Venezuela +58 2 12 263 6344

Choose **:Sublima** Today

Cross Modulation screening (XM) is an innovative solution from Agfa that brings the best elements of two screening technologies together to achieve high-quality reproduction. The result? :Sublima. It brings strong benefits to your organization – higher quality, simple use, and a greater competitiveness. With the higher screen rulings of :Sublima, you can bring new levels of quality to your customers – all without changing your current prepress workflow or your pressroom. To achieve the highest quality results on press, start with the right screening solution – :Sublima.

This brochure was produced with :Sublima XM screening at 340 lpi, entirely in four-colour process with an in-line overall aqueous coating. Using Agfa's :ApogeeX workflow. Imaged on an :Xcalibur45 platesetter at 2400 dpi, using :Thermostar plates.

AGFA and the Agfa rhombus are registered trademarks of Agfa-Gevaert AG. Agfa's Balanced Screening and :Sublima are trademarks of Agfa-Gevaert N.V.

All other brand and productnames may be service marks, trademarks or registered trademarks of their respective owners. All product specifications are subject to change without notice.

Copyright 2004 by Agfa-Gevaert N.V. all rights reserved.
 Printed in Belgium.

NF8XJ GB 00200403



| see more | do more |

:Sublima

Advanced Screening Technology

Meeting the demand for higher quality,
with no extra effort on press.

AGFA 

| see more | do more |

What is :Sublima technology? You're looking at it!

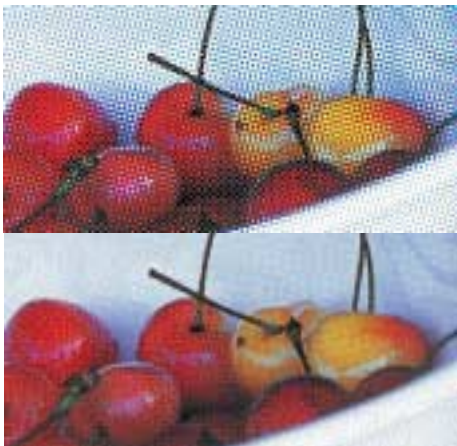
This entire piece has been printed with 4 colours using :Sublima screening.

For many printers, the move to computer-to-plate technology enabled major improvements in on-press efficiency. Now the focus has shifted to providing higher-quality printing. To get attention for their product or service in a crowded marketplace, today's print buyers need the best possible image reproduction. Customers are looking for printers who can ensure this higher level of quality with every job.

Screening enables new levels of quality

Agfa's engineers have invested years of research and development in creating the best possible screening technology. :Sublima – our next generation solution – provides a unique approach to screening. With :Sublima, your press can easily hold a 1 – 99% dot at higher frequencies, delivering the finest artifact-free details, and most vibrant colours your customers now demand.

:Sublima screening from Agfa lets you offer your customers the higher print quality they demand – and enables you to work more efficiently within your existing press conditions. With :Sublima, Agfa leverages its extensive expertise to create a new screening solution – one that combines two proven screening technologies to achieve new levels of near continuous tone reproduction on press. And it integrates seamlessly with your current Agfa workflow. For printers who are looking for a simple, easy, and cost-effective way to raise print quality, :Sublima is the right screening solution.



Get great results without extra work

While it enables you to make a significant leap forward in quality, :Sublima does not require a change in the way you work, nor extensive training. With :Sublima, high-quality screening is an automatic, invisible function that occurs in the Agfa RIP. It's an easy and cost-effective investment that enables you to get higher-quality, higher margin jobs, with no extra effort on press.

A proven success for raising quality

:Sublima is already being used successfully by newspaper printers around the world. With :Sublima, these printers can do higher-quality colour work, such as inserts and magazines. Now commercial printers have also proven that :Sublima is of great benefit to them. :Sublima offers a winning combination of high-quality results, ease-of-use, low cost, and exceptional reliability.

Part of Agfa's complete line of screening solutions

:Sublima covers a wide spectrum of jobs, achieving high-quality, continuous tone reproduction. Agfa also offers Agfa Balanced Screening and :CristalRaster screening – enabling you to choose the right screening solution for your needs.



Today's photographic styles often contrast sharp details against softer tones to enhance image impact. These high-impact graphics challenge traditional reproduction methods, and demand new solutions. In today's market - compromise is no longer an option.

How :Sublima works

:Sublima is an innovative screening solution that combines two screening techniques – traditional Amplitude- Modulation "AM" and Frequency-Modulation "FM" screening. That's why we call this combination "XM" or " Cross-Modulation" screening. :Sublima is designed to match the smallest reproducible dot your press can easily hold. Even at 340 lpi, the smallest :Sublima dot is 21 microns.

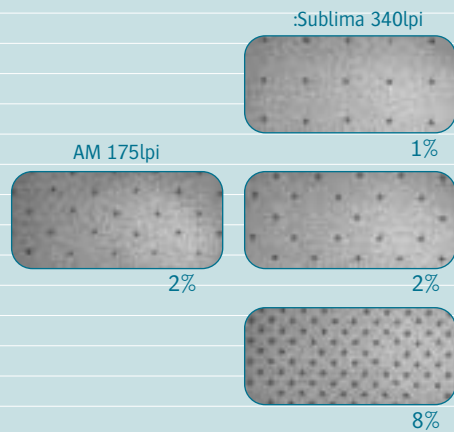
Trusted AM screening for midtones

Agfa Balanced Screening provides clear, accurate mid-tone reproduction. Especially noticeable in flat tints, ABS produces smooth results, without the usual graininess you find with most stochastic screening algorithms. AM screening is also more "responsive" on press than stochastic - enabling the press operator to maintain grey-balance or make customer-requested slight colour moves.

How can Agfa say "no extra effort on press"?

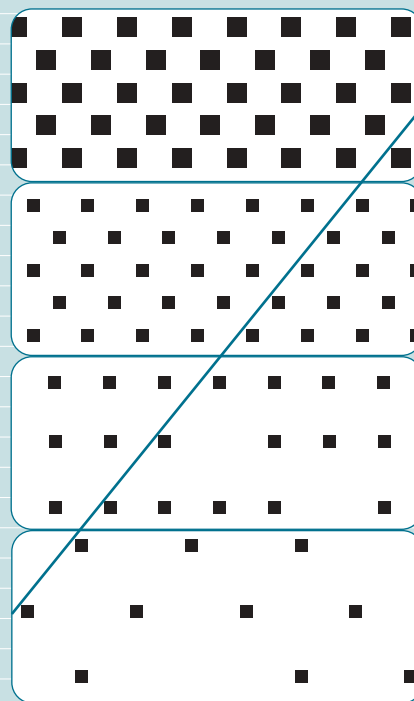
If you can print a 2% dot at 175 lpi (70 l/cm), :Sublima uses a dot that is no smaller - even at the highest frequencies.

This can best be illustrated by taking a closer look at the highlights. In the photo below to the left, you see a 2% AM dot at 175 lpi. On the right you see the 340 lpi XM screen at 1%, 2% and 8%. All dots are the same size, regardless of tonal value and frequency. If you can now hold a 2% at 175 lpi, you can easily print :Sublima at 340 lpi without any extra overhead in pre-press or in the pressroom. No extra effort, at even double the line ruling.



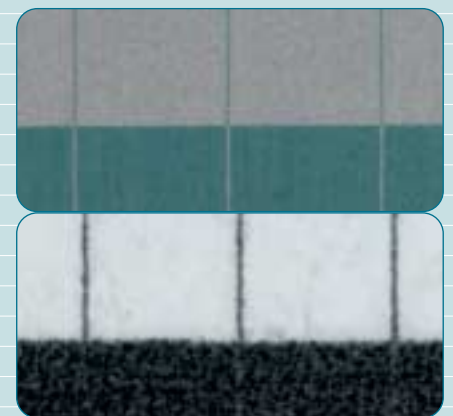
:Sublima - ABS at its heart

Once :Sublima reaches the smallest and easiest printable dot for your press, it makes the dots no smaller. Instead, it uses our patented method to remove dots. Even though the dots at the highlights may appear to be random - you will notice the dots align along the existing ABS angles.



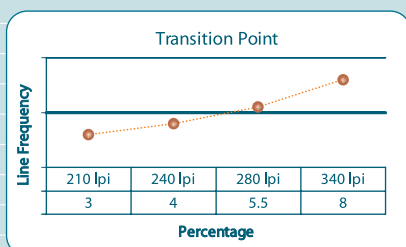
Quality beyond the capability of your press

Regardless of technology - visible light or thermal - CTP often delivers details on plate that cannot be held on your press. In this example, a 10.6 micron line is imaged nicely on plate, but in order to hold the fine line on press, the shadow detail is lost.



The cross from AM to FM

The "transition-point" as a percentage of the line screen ruling increases as the frequency increases. As you can see below, the same size 21 micron dot that measures 3% at 210 lpi, measures 8% at 340 lpi.



"AM" & "XM" compared

Each row at the right shows photomicrographs of 340 lpi screening on plate. The top row is AM, and the bottom row is :Sublima. There is no difference throughout the mid-tones.

At this lpi, below 8% the 21 micron :Sublima dots remain the same size. :Sublima places "fewer" dots as it gets "lighter". This exclusive Agfa patented technology is also used in the shadows.

Unlike "XM", the "AM" dots continue to get smaller until they reach one pixel - 10.6 microns at 1%. Although your platesetting system may resolve these extremely small AM dots, the highlight and shadow details may be lost or "clipped" on press.

FM screening for highlights and shadows

In difficult highlights and shadows, :Sublima uses a patented FM algorithm which ensures the printability of the lightest tones and every shadow detail. Although these tones are controlled via an FM approach, they are aligned using the same ABS AM angles in the mid-tones. Since :Sublima's FM distribution is not random nor stochastic, there is no area of cross-over noise or transition artifacts.

:Sublima

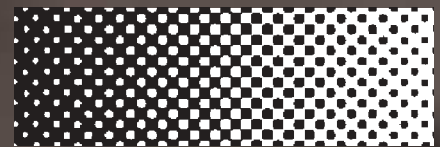
A smooth combination of AM & FM

:Sublima adds up to seamless, high-quality reproduction from shadows (FM) to midtones (AM) to highlights (FM). This approach lets each screening technology do what it does best. The point at which the screening switches from an AM to FM algorithm is line-screen dependent, and predetermined. :Sublima ensures the best possible results – easily, automatically, and with every job.

A screening overview

To better understand the benefits of :Sublima, it's important to understand the two screening technologies that it combines – Amplitude Modulation (AM) and Frequency Modulation (FM) screening.

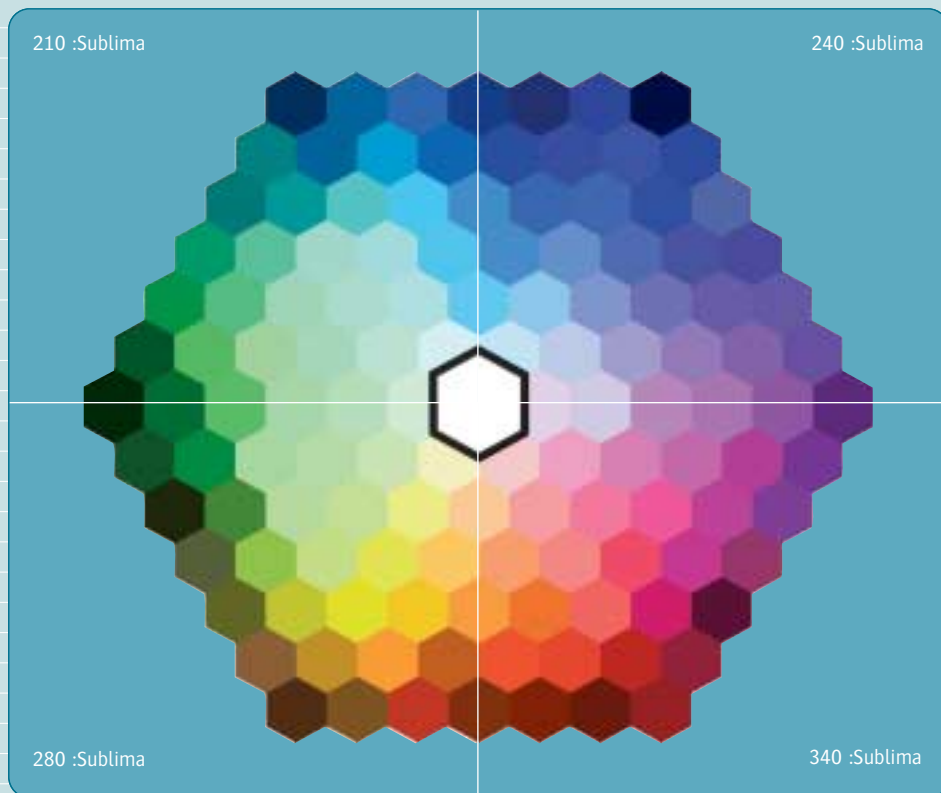
For decades, printers have used various screening methods to produce continuous-tone originals. Various techniques convert the range of tone values in the original artwork or photograph into arrangements of halftone dots. To the casual reader, these dots are too small to see individually. Instead, the reader perceives an overall tone value that varies based on the total surface area that the dots cover – i.e., larger dots = a darker image area.



Conventional Amplitude Modulation (AM) screening places halftone dots in a consistent pattern, with the size of individual dots varying to simulate the tone values of the original. The size of the halftone dots can vary from 10 to 200 microns, although coarser newspaper screens may produce dots up to 350 microns.



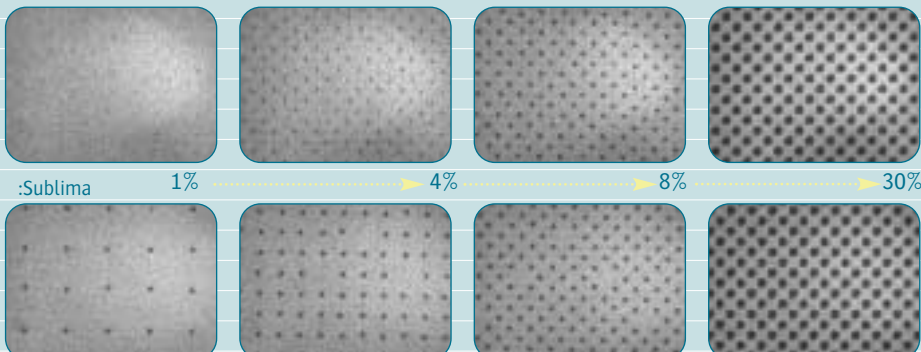
Frequency Modulation (FM) screening, which is sometimes referred to as stochastic or random-screening, has the same goal as AM screening-artifact-free reproduction. It uses smaller microdots that reproduce tone values by adjusting the number of dots in a given area. Stochastic screening typically breaks up the image tone into smaller fragments of equally-sized dots and randomly positions them over the same surface area. These microdots are smaller than traditional halftone dots, typically in the 20 to 35 micron range.



Spot-Free CTP!

The higher frequencies of :Sublima generates smaller rosettes - which are nearly invisible to the naked eye. And yet, this screening structure enables the smooth rendering of flat tints and spot colours - a smoothness even evident in the most demanding tints. With :Sublima, you can print with an endless palette of spot colour effects - while only using four colours - CMYK.

AM



Meeting the needs of today's printers

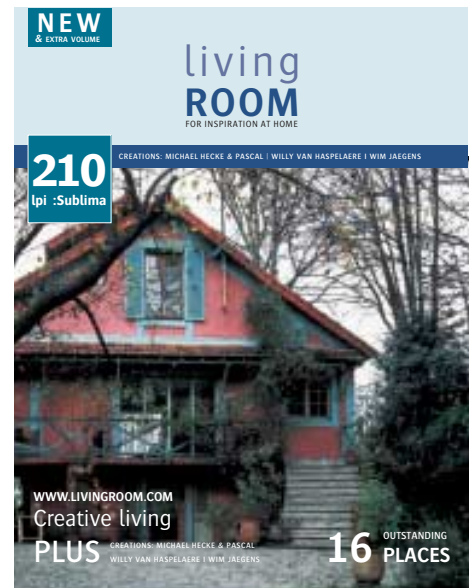
Spot-colour impact with only CMYK

As with the text you are reading, and its background colour, with :Sublima, you can build tints and type that simulate spot colours – using only 4-colour CMYK. This will improve your production efficiency and also your customers' bottom line.

:Sublima enables higher-quality results

Since :Sublima uses higher line frequencies, it significantly reduces the risk of subject moiré. Your customers will notice this enhanced detail and colour even without looking through a loupe.

:Sublima enables you to print with screen rulings up to 210 lpi (80 l/cm) with :Palladio and 340 lpi (140 l/cm) with :Galileo (green or violet), :Xcalibur 45 Elite and :Xcalibur VLF Elite. Standard models of :Xcalibur can use :Sublima up to 240 lpi (100 l/cm).



:Sublima is simple and easy to use

Every printer must evaluate new technology based on its impact on his current operation. In an era of tight margins and tough competition, new technology must enhance and streamline the current print production process. :Sublima enables you to achieve higher screen rulings without any extra effort. It's a simple, easy way to raise quality – without affecting your operation.

:Sublima is a cost-effective solution

:Sublima provides a cost-effective way to increase quality – without requiring a major investment. Instead, :Sublima is a modestly priced software option for your :ApogeeX or :Apogee PDF RIP. Bringing :Sublima into your operation doesn't require additional labor costs, and its incredible ease-of-use reduces the need for lengthy training or extensive changes in the pressroom.

:The Sublima difference

:Sublima's impact is even apparent in the subtle quarter tones. The overall photo below is screened at 340 lpi :Sublima; the top box shows our traditional 175 lpi ABS, and the bottom box uses 240 lpi :Sublima.



Choose the right screening solution for your needs

A wide range of options

In addition to Agfa's new :Sublima "XM" technology, our Agfa Balanced Screening "AM" solution has proven successful for printers that require reliable quality – job after job. And Agfa's :CristalRaster "FM" solution delivers rosette-free details for HiFi, Hexachrome, and other demanding applications.

Agfa Balanced Screening:

A trusted tool for a wide range of jobs

Agfa Balanced Screening is a reliable, proven AM screening technology that thousands of printers rely on every day. It is appropriate for many applications – brochures, newsletters, magazines, and more – that are prevalent at most printing operations. On press, Agfa Balanced Screening has gained a reputation for exceptional reliability and easy use.



210 :Sublima

340 :Sublima

:CristalRaster: winning awards since 1993

:CristalRaster is Agfa's award-winning FM screening technology that provides the exceptional quality required by many high-end printing applications. Customers enjoy its photorealistic look, rich colours, and the smooth rendering of the finest possible details. Since there are no rosettes or screen angles, :CristalRaster completely eliminates moiré.

Advantage	FM/CR	Sublima	AM/ABS
Finest detail	x	x	
Flat Tints		x	x
Responsiveness On Press		x	x
HiFi/Hexachrome	x	x	
Reduced Subject Moire	x	x	

:Sublima provides exceptional integration with all elements of the computer-to-plate process. Here are key areas where :Sublima integration truly excels:

Agfa's :Apogee

With :Apogee Series3 and :ApogeeX, :Sublima can be mixed with other screens (AM & FM). These screened dots can be previewed and verified with :Apogee's "digital film" feature. :Sublima operates seamlessly within :Apogee to meet today's increasing prepress demands.

Agfa's Platesetters

:Sublima works with each supported Agfa platesetter's imaging characteristics to build the right minimum reproducible dot. Depending on the imaging application, the smallest size of the dot on the plate may vary. :Sublima addresses these differences in the background so you can image with confidence.

Agfa's Plates

Agfa's digital plates such - as :Thermostat and :Lithostar - provide some of the highest resolutions available. :Sublima takes advantage of the broad imaging range (1 - 99 %) and high-quality graining and anodizing of Agfa digital plates. The result? Fast make-ready and excellent results on press.

Agfa's Colour Management and Proofing

With our :Sherpa family of proofers, Colour Management (CMS) and Quality Management (QMS), Agfa helps manage and maintain colour accuracy by providing the widest possible printable colour gamut and predictable result from proof-to-press.



175 ABS

21 CR

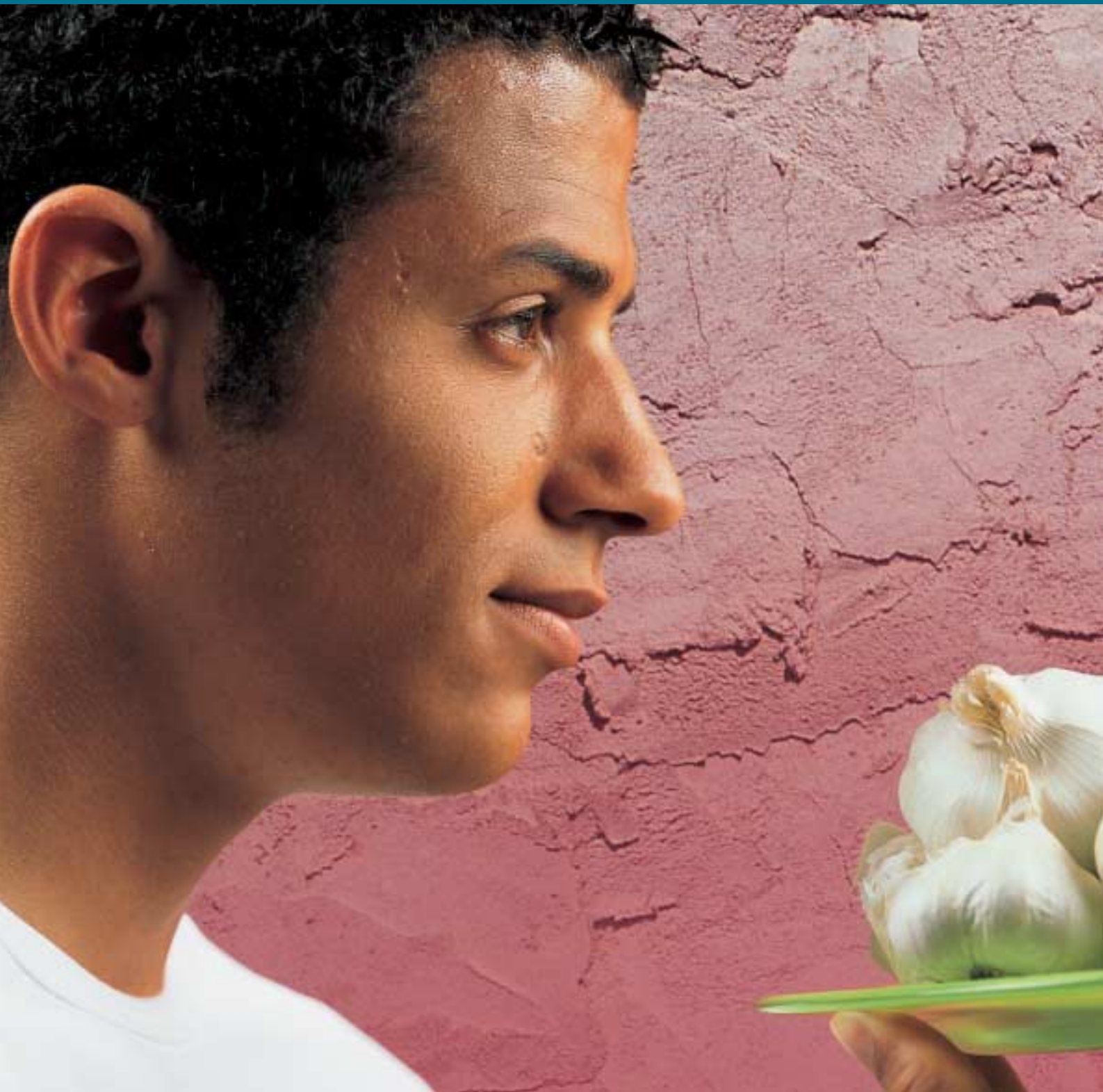


Great results on press... and around the world

When developing :Sublima, Agfa drew upon its broad customer base for advice about a next-generation screening solution. They told us that any solution had to be flexible enough to meet the needs of a wide range of applications. It had to provide the high-quality results that more and more customers demanded. And they said that the solution had to be extremely easy to use. :Sublima does just that. Here's what they said after they started using :Sublima:

"We like the quality of :Sublima screening. The results are amazing in flat tints, which are soft and smooth. They look as if they were printed in a spot colour. What's nice about the detail is small colored type, as well as knocked-out type (white on black). And, of course, images look great. Key shadow areas – such as under a person's chin – are not disturbed by rosettes."

• GuidoMaes.PrintingDeluxe. Ghent (Belgium)



We installed :Sublima without any problems, and we loved it from the very first sheet. We ran some comparison tests with :Sublima and found that we have less start-up waste and more stability on press. We have since switched to :Sublima for all our 6 colour Hexachrome work. "

• VA Impresores, Madrid (Spain)

"Photos printed with :Sublima screening tend to look more like a continuous tone photograph than a printed image. With the higher line screens of :Sublima, we now avoid subject moiré in fabric, while maintaining a smoothness in flat tints."

• Premier Press, Portland, OR (US)

"After two commercial print runs, we decided to move to 340 lpi :Sublima screening right away and stay there for the whole production. With :Sublima, I can choose the level of quality I need – 340, 280 or 240 lpi. If I know the images are lower quality and would show weakly at 340, I can use 240 instead. In short, :Sublima can be used for all kinds of work."

• Collective Printing, Leeds (UK)



People have
different tastes.



DETAIL
DESIGN



Choose :Sublima Today

:Sublima is an innovative screening solution from Agfa that brings the best elements of two screening technologies together to achieve high-quality reproduction. The result? :Sublima brings strong benefits to your organization – higher quality, simple use, and greater competitiveness. With the higher screen rulings of :Sublima, you can bring new levels of quality to your customers – all without changing your current prepress workflow or pressroom. To achieve the highest quality results on press, start with the right screening solution – :Sublima.

Production notes

*Copyright 2003 by Agfa-Gevaert N.V. all rights reserved. Printed in Belgium (GuidoMaes.)
The screening in this brochure was Sublima 340 lpi except where noted. AGFA and the Agfa rhombus are registered trademarks of Agfa-Gevaert AG. Agfa Balanced Screening, Apogee, ColorTune, CristalRaster, Galileo, Lithostar, Palladio, Sublima, Thermostar and Xcalibur are trademarks of Agfa-Gevaert N.V. All other brand and productnames may be service marks, trademarks or registered trademarks of their respective owners.
All product specifications are subject to change without notice.

NF153 GB 00200305

Argentina (Paraguay and Uruguay)	Italy
+ 54 11 4958 5767	+ 39 02 3074 220
Australia	Japan
+ 61 3 9279 6300	+ 81 3 5704 3140
Austria	Korea
+ 43 1 89112 3290	+ 82 2 2262 4200
Belgium	Luxembourg
+ 32 3 450 9866	+ 352 442 0441
Belgium, Direct Export	Malaysia
+ 32 3 444 7120	+ 60 3 7953 5800
Brazil	Mexico
+ 55 11 5188 6444	+ 52 55 52 767600
Canada	Netherlands
+ 1 416 241 1110 4053	+ 31 70 413 1211
or	New Zealand
877 753 2431 toll free	+64 9 443 5500
Caribbean and Central America	Norway
+ 305 2135311	+ 47 67 06 88 00
Chile (Bolivia, Peru)	Poland
+ 56 2 360 7600	+ 48 22 572 3940
China, Hong Kong	Portugal
+ 852 2555 9421	+ 351 21 414 6700
Colombia (Ecuador)	Singapore
+ 57 1 425 2790	+ 65 6214 0110
Czech Republic	South Africa
+ 420 2 6610 1623	+ 27 11 921 5911
Denmark	Spain
+ 45 4326 6766	+ 34 93 476 7600
Finland	Sweden
+ 358 9 8878 319	+ 46 8 793 0100
France	Switzerland
+ 33 1 4732 6905	+ 41 1 823 7111
Germany	Taiwan
+ 49 221 57170	+ 886 2 2516 8899
Greece	UK
+ 30 1 570 6500	+ 44 20 8231 4929
Hungary	USA
+ 36 1 212 1540	800 227 2780 toll free
Ireland	Venezuela
+ 353 1 450 6733	+ 58 2 12 263 6344



AGFA 

| see more | do more |

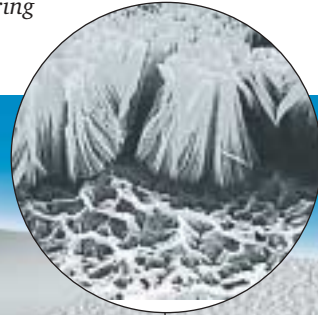
:Zenith-N61

General purpose plate for medium to long runs in commercial and newspaper printers

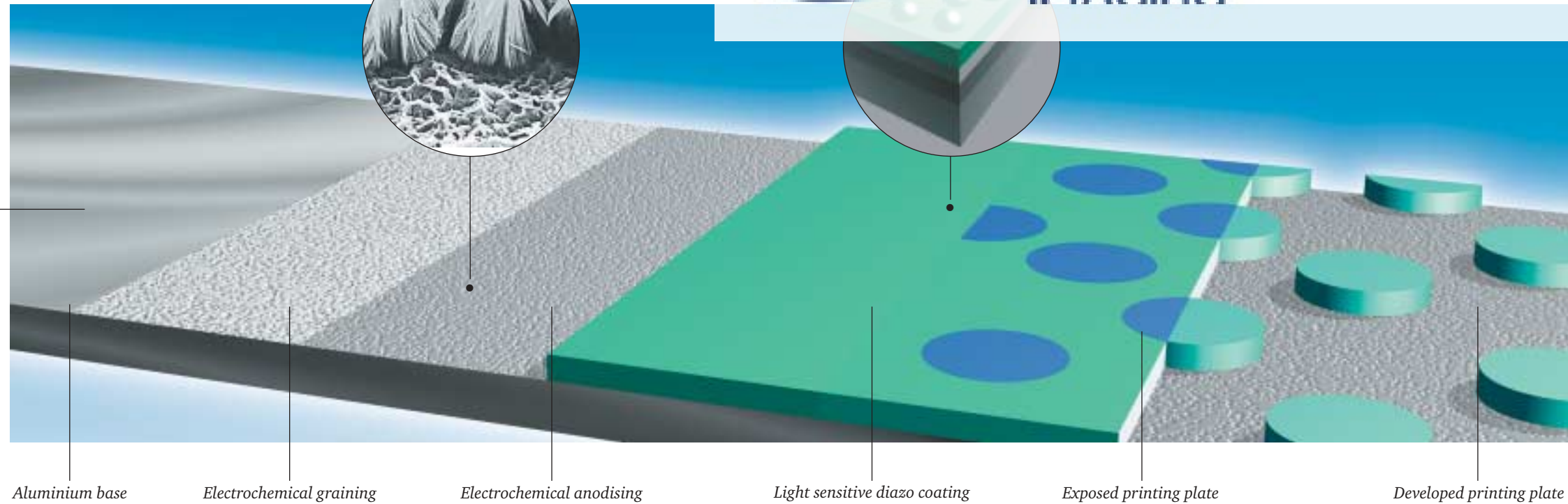
:Zenith-N61 plate delivers the high quality performance and reliability needed in todays demanding pressroom.

:Zenith-N61 uses proven electrochemically grained and anodised aluminium together with a durable, high resolution coating. The result is a high quality and predictable press performance, plate after plate.

Unique graining and anodising ensuring high quality results in the plateroom and the pressroom



Cross-section of :Zenith-N61 negative plate (computer generated)



:Zenith-N61

Newspaper	<input checked="" type="checkbox"/>
Commercial web	<input checked="" type="checkbox"/>
Commercial sheet	<input checked="" type="checkbox"/>
Packaging	<input checked="" type="checkbox"/>
Small offset	<input checked="" type="checkbox"/>
Forms	<input checked="" type="checkbox"/>

The :Zenith-N61 is a negative working analogue plate for all sheetfed and web offset applications.

Using the longest tradition together with the latest technology, Agfa has the complete range of analogue plates. Agfa's extensive experience in plate manufacturing ensures the highest quality in terms of both plate coating and substrate. The combination of advanced electrochemical graining, anodising and coating technology guarantees optimised performance in the plateroom and pressroom.

Micro-pigmentation technology is used in the coating to ensure rapid vacuum draw-down. Fast exposure, simple processing and rapid ink/water balance on press are just a few of the many benefits that come as standard.

:Zenith-N61 caters for all print applications from the smallest sheetfed printer to the largest commercial web house or newspaper. It's worth remembering that Agfa's analogue plates have been used successfully around the world in printers of all types and have a reputation for high quality performance. :Zenith-N61 has been designed to be the 'universal' analogue plate that has the latitude to handle a wide range of press conditions from continuous stationary to packaging, newspaper and metal printing. :Zenith-N61 delivers excellent print performance without compromise.

The unique graining structure of the :Zenith-N61 offers outstandingly quick clean-up properties, reducing paper waste whilst run lengths of 200,000 can easily be achieved.

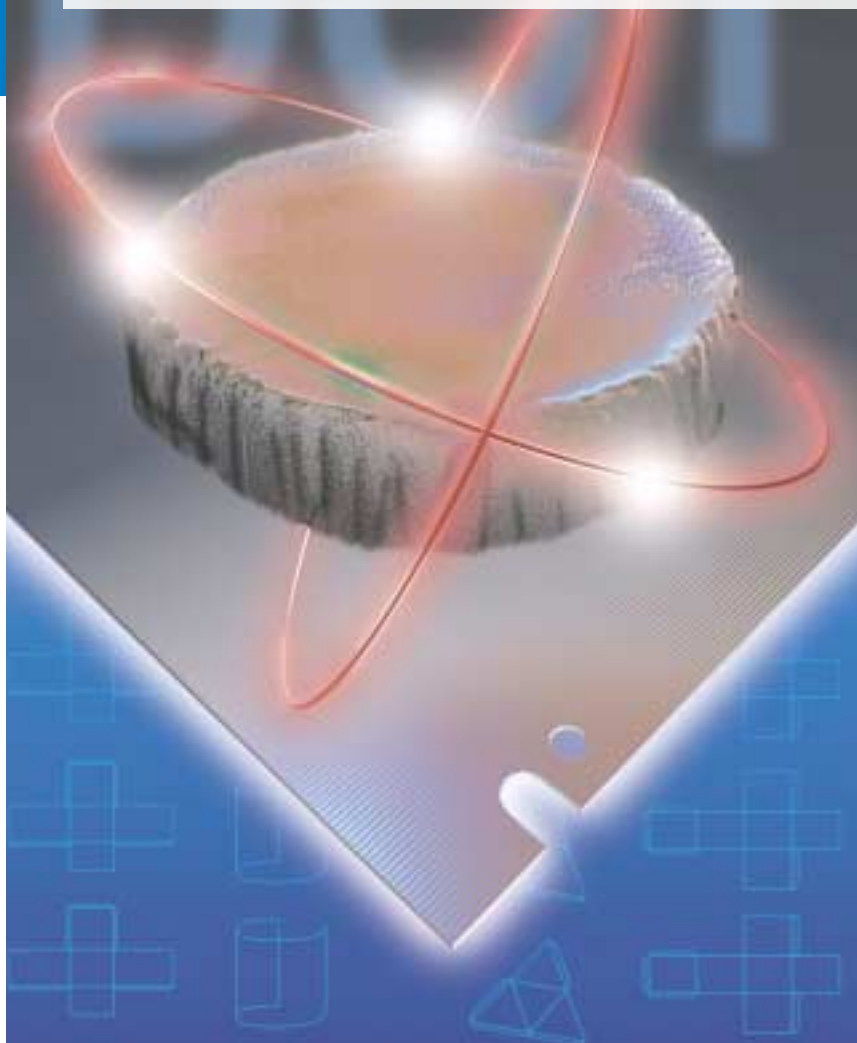
Key Benefits

- Medium to long run length capability
- Excellent halftone reproduction
- Short exposure time
- Low dot gain
- Very fast clean-up, reducing paper waste
- Fast ink/water balance
- Resistant to the majority of pressroom chemicals

:Zenith-N61

Function	Specification
Plate type	Electrochemically grained and anodized aluminium, with a diazo based coating
Gauges *	0.15, 0.20, 0.30, 0.35, 0.40 mm
Imaging Resolution	Approx. 2% - 98% at 150 lpi
Image Colour	Blue-green
Processor Type	All standard processors
Processing Chemicals	EN232, ND500
Run Length	Medium to long runs

* 0.25 mm gauge available on special order



Argentina, (Paraguay and Uruguay), Tel.: 54-11-4958-5767
Australia, Tel.: 03 9279 6300
Austria, Tel.: 43-1-89112-3290
Belgium, Tel.: 32-3-450-98-66
Belgium, Direct Export Tel.: 32-3-444-7120
Brazil, Tel.: 55-11-5188-6444
Canada, Tel.: 416-241-1110 Ext: 4053 or

877-753-2432 toll free
Caribbean and Central America, Tel.: 305-2135311
Chile, (Bolivia, Ecuador, Peru) Tel.: 56 2360 7600
China, Hong Kong Tel.: 852-2555-9421
Colombia, Tel.: 571 425 2790
Czech Republic, Tel.: 420-2-6610-1623
Denmark, Tel.: 45-4326-6766

Finland, Tel.: 358-9-8878-319
France, Tel.: 33-1 47 32-6905
Germany, Tel.: 49-221-5717-0
Greece, Tel.: 30-1-570-6500
Hungary, Tel.: 361-212-1540
Ireland, Tel.: 353-1-450-6733
Israel, Tel.: 972-3-9244301
Italy, Tel.: 39-02-3074-220
Japan, Tel.: 81-3-5704-3140

Korea, Tel.: 82-2-2262-4200
Luxembourg, Tel.: 352-44-20-441
Malaysia, Tel.: 603 7957 4200
Mexico, Tel.: 52-55-52-767600
Netherlands, Tel.: 31-70-413-1211
New Zealand, Tel.: 64-9-443-5500
Norway, Tel.: 47-67 06 88 00
Poland, Tel.: 48-22-572-3940
Portugal, Tel.: 351-21 414-6700

Singapore, Tel.: 65-6214-0110
South Africa, Tel.: 27-11-921-5911
Spain, Tel.: 34-93-476-7600
Sweden, Tel.: 46-8-793-0100
Switzerland, Tel.: 41-1-823-7111
Taiwan, Tel.: 886-2-2516-8899
UK, Tel.: 44 20 8231 4929
USA, Tel.: 800-227-2780
Venezuela, Tel.: 58 212 263 6344

© Subject to changes without prior notice.
 AGFA, the Agfa-rhombus, See more do more and :Zenith are trademarks of Agfa-Gevaert, Belgium and Germany.
 All other trademarks are property of their respective holders.
 Printed in Belgium.

NF1YQ GB 01200402

www.agfa.com

AGFA 

| see more | do more |

Dampakleen Plus

Specialities

Cloth damper cover cleaner

Pro 4 x 5 litres: Art.code PYNLP

Dampakleen Plus is an emulsion cleaner containing a blend of detergents and other cleaning additives which have been specifically formulated for manual or automatic cleaning of cloth damper covers. It removes ink, pigments, varnish, gum residues, paper lint etc., from heavily contaminated cloth damper covers quickly and efficiently. Regular use will extend the lifetime of damper covers by ensuring maximum cleanliness and keeping the textile fibres in good condition. It easily washes off with water without solvent residue, thus retarding the process of ink accumulation when the rollers are put back on the machine.

Working instructions

Recommended concentration

- Undiluted or a pre-mix up to 25% water (cold or hot).

Automatic damper washing equipment

- Follow the supplier's instructions.

Manual washing

- Scrub Dampakleen Plus undiluted into the damper material with a hard bristle nylon brush until it has penetrated fully into the fabric.
- Rinse clean with water and then remove excess water by squeezing in the direction of the nap.
- Thoroughly wash out with clean, preferably running water.

Remark

- After treatment with Dampakleen Plus it is important that the damper covers are thoroughly washed out with clean, preferably running water. As a general rule, the damper covers should be rinsed until only clean water comes off.
- It is important not to allow the solution to come in contact with the printing plate surface.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

Dampakleen Plus may NOT come in contact with the printing plate surface.

Main characteristics

- Cleaning cloth damper covers.
- Automatic or manual use.
- Quick and efficient cleaning: removes all deeply embedded dirt.

Properties

Chemical	Appearance	White emulsion
	Classification	A II
	Flashpoint	40°C
	Density (25°C)	0,805 kg/Litre
	pH (25°C)	8,5
	Conductivity	250 mS/cm
	Viscosity	900 CPS
	VOC content	71%
	Aromatic free	×
Press	Business forms web	×
	Coldset web	✓
	Heatset web	✓
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Slow
	Water miscible	✓
	Automatic wash	✓

Dampening System Cleaner

Specialities

Cleaner concentrate for dampening systems.

Pro 20 litres: Art.code OAP9A

System cleaner is a highly effective cleaning concentrate for all dampening systems. System Cleaner removes effectively ink residues, paper dust from pipes and pumps and avoids blocking of the dampening system. System Cleaner has a disinfecting function so algae and bacteria are removed swiftly and effectively. The use of System Cleaner is recommended on a regular basis to avoid pollution of the dampening system, which is important when printing alcohol reduced or alcohol-free.

Working instructions

Clean thoroughly the complete dampening circuit.

- Empty the complete dampening circuit and all reservoirs.
- Replace the filter when necessary.
- Fill up the cooling tank of the dampening circuit with Agfa's System Cleaner and 50% of water and circulate this mixture through the dampening circuit for 1 to 2 hours, depending on the contamination of the dampening system.
- Empty the dampening circuit and all reservoirs. Rinse the system twice with clean/fresh water for approx 10 minutes. Afterwards empty again the complete dampening circuit.
- Replace the filter when necessary.
- Rinse the system with a mixture of water and 4% of fountain solution additive for approx. 10 minutes.
- Refill the circuit with a mixture of standard water and your correct dosage of fountain solution additive
- Check pH and conductivity. When the two values are within the desired range, printing can resume.

Remark

For a more in-depth personalised cleaning program please contact our service department.

Main characteristics

- Effective cleaner.
- Quick and easy application.
- Removes algae and bacteria.
- Controls the formation of foam in the dampening system.
- Suitable for all types of dampening system.
- Contains corrosion inhibitor.

Properties

Appearance	Green
Water miscible	Yes
Corrosion inhibitor	Yes
Odour	odourless

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

System Cleaner may NOT come in contact with the printing plate surface.

Decal Plus

Specialities

Calcium removing solution

Pro 6 x 1 litre: **Art.code** OAF3T

Decal Plus is an acidic cleaning solution designed to remove excessive calcium and magnesium residue from rollers and blankets. Decal Plus should be used regularly when printing with untreated hard water to prevent ink stripping and consequently poor ink transfer onto the blanket.

Working instructions

Rollers

- Wash the rollers using a conventional wash.
- Apply Decal Plus evenly across roller train and allow to run in for approx. 5 minutes.
- Wash off with water to remove any contamination.
- Revitalise the rollers by cleaning with a conventional wash.
- Assure that rollers are dry before starting the press.

Blanket

- Wash up using a conventional solvent.
- Use Decal Plus as a usual cleaning wash.
- Wash off with water to remove any contamination.
- Revitalise the blankets by cleaning with a conventional wash.
- Assure that the blanket surface is dry before starting the press.

Remark

Decal Plus may NOT come in contact with the printing plate surface.

Main characteristics

- Acidic cleaning solution.
- Removes calcium and magnesium residue.
- Optimised viscosity for easier application on rollers.

Properties

Chemical	Appearance	Green
	pH	2,2
	Density (25°C)	1,03 kg/Litre
	Odour	odourless
	Water miscible	✓
Application	Roller	✓
	Blanket	✓

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

Decal Plus may NOT come in contact with the printing plate surface.



AVALON B8-24 S/XT

Agfa Graphics' new breakthrough range of thermal platesetters is based on the reliable external drum Avalon N architecture and proven fibre-coupled laser technology, to breach all records of cost effectiveness.

The manual loading Avalon B8-24 S/XT is a robust output device with on- or offline processing. The Avalon B8-24 S/XT engine delivers unmatched imaging results in combination with Agfa Graphics' thermal plates and guarantees maximum plate production consistency. The seamless integration with industry-leading Apogee workflow will deliver affordable high quality plate production for your commercial, packaging and publishing printing business.

AGFA 

STAY AHEAD. WITH AGFA GRAPHICS.

IMAGER	B8-24 S Series	B8-24 XT Series
Models	64 beams	96 beams
Imaging System	64 channel Fiber coupled	96 channel Fiber coupled
Laser technology	830 nm Thermal Laser Diodes	
Recording system	External drum	
Resolution	1200/2400/2540 dpi	
PLATE SIZE		
Maximum plate (lead edge x wrap)	1060 mm x 830 mm (41,7" x 32,7")	
Minimum plate (lead edge x wrap) <i>* Small plate option: not available</i>	450 mm x 370 mm (17,7" x 14,6") *	
Thickness	Maximum: 0,3 mm (12 mil) Minimum: 0,15 mm (6 mil)	
Imaging size - max <i>* drum rotation limits up to 600 rpm</i>	1060 x 806 mm (grip 12/12mm) 1060 x 810 mm (grip 8/12mm) *	
PLATES		
Approved Agfa Graphics plates	Azura TS, Azura TU, Amigo TS Thermostar P970, Energy Elite, Energy Elite Pro, Energy Xtra	
PLATE HANDLING CONFIGURATIONS		
Plate loading		
Manual loading	Yes	
Automatic loading	No	
Single cassette Autoloader	No	
Multi cassette Autoloader	No	
Plate Unloading		
Manual unload	Yes	
On-line processor (OLP)	Yes	
TROUGHPUT *		
Energy Elite Pro 1030 x 800 mm plate, 2400 dpi	23 pph	30 pph
	* Throughput affected by plate sensitivity, screening and other factors. Contact your Agfa Graphics representative for more detail.	
INTERNAL PUNCHING		
Option	Not available	
PHYSICAL SPECIFICATIONS		
Dimensions (WxDxH) Including Built in bridge	2500 mm x 1820 mm x 1453 mm (98,4" x 71,7" x 57,2")	
Approx. Weight Including the Blower	945 kg (2083 lbs)	960 kg (2116 lbs)
ENVIRONMENT		
Temperature range - Recommended - Required	21° C to 25° C (70°F to 77°F) 18° C to 26° C (64°F to 79°F)	
Humidity range	40% to 70% RH (non-condensing)	
Power	1ϕ 200 - 240V 30A 4,0kW	

EN232

Developer

Chemical developer for CTCP and analogue negative plates

Pro 2x 200 Litres: **Art. code K4SBK**
Pro 20 Litres: **Art. code K2TKO**
Pro 10 Litres: **Art. code KGRQR**

General information

EN232 is a developer designed to work with Agfa Aluva N CTCP and N555 plates.
It's compatible with the most known negative CTCP and analogue plates sold in the market.
The developer does not requires chemical replenishment when you are working in top up mode.

Special Comments

Designed for analog and CTCP plates

Safety

Read MSDS before using this product.
<http://www.agfa.com/global/en/main/support/msds/>

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Main characteristics

- Mild alkaline solution
- No solvents
- Can be used in combination with replenisher

Physical properties

Appearance	Yellowish
Density	1,035 +/- 0.005
pH (25°C)	8.80 +/- 0.30
Conductivity (20°C)	25,4 +/- 3,3 mS/cm
Shelf life	24 months

Storage : transport

Permanently transportable to all destination
A temperature between +30°C and 40°C is permitted if the total transport is max.1 month.
A temperature between +40°C and 50°C is permitted for a limited time of 3 x 12 hours.
The temperature should always be higher than 20°C

Storage : warehouse

Average temp	+20°C
Max. temp.	+ 30°C
Min. temp.	+ 4°C
No adjustment of the relative humidity	
An increase of the temperature up to 30°C is permitted for a period of max 3 consecutive weeks per year.	

EN 232

DEVELOPER

/GOE1K2TK03

20

Liter
litres e

K 2 T K O

Ready to use
Gebrauchsfertige Lösung
Solution prête à l'emploi
Gebrauchsklare oplossing
Selección de trabajo
使用液

Negative Plate Developer

EN Warning
Caution serious eye irritation. Wear protective gloves/ protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/attention.

DE Achtung
Vorsicht schwere Augenreizung. Schutzhandschuhe/ Schutzkleidung/Augenschutz/Gesichtsschutz tragen. Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.

FR Avertissement
Prudence aux yeux: Irritation oculaire. Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. Si l'irritation oculaire persiste: consulter un médecin.

NL Waarschuwing
Voorzichtig ernstige oogirritatie. Beschermende handschoenen/beschermende kleding/bogescherming/ beschermingsbril dragen. Bij aanhoudende oogirritatie: een arts raadplegen.

ES Atención
Proceda con cuidado: Irritación ocular. Usar guantes/prendas/ gafas/lentes de protección. Si persiste la irritación ocular: Consultar a un médico.

PT Atenção
Proceda com cuidado: Irritação ocular. Use luvas de proteção/ vestuário de proteção/óculos ou proteção facial. Caso a irritação ocular persista: consulte um médico.

IT Attenzione
Proceda con attenzione: Irritazione oculare. Indossare guanti/ indumenti protettivi/Proteggere gli occhi/visi. Se l'irritazione degli occhi persiste, consultare un medico.

EL Προσοχή
Προσοχή σοβαρή ερεθιστική επίδραση. Να φορέσει προστατευτικό ενδυμασία/προστατευτικά οφθαλμικά/προστατευτικό κράνος/προστατευτικό κράνος. Εάν η ερεθιστική επίδραση των οφθαλμών συνεχιστεί: Συμβουλευθείτε/Επισκεφθείτε έναν γιατρό.

DA Advarsel
Forsigtig alvorlig irriteration. Bær beskyttende handsker/beskyttende tøj/beskyttende øjensikter/ beskyttelsesbrille. Ved vedvarende irriteration: Søg lægehjælp. Produktidentifikationsnummer (PIN): 16681979. TEL: 45 4547 7120.

SV Varning
Ovakalet allvarig irriteration. Använd skyddshandskar/ skyddsklädnad/ögonskydd/ansiktsbeskydd. Vid bestående irriteration: Sök läkare. Tel: +46 8 738 05 00.

FI Varoitus
Annettiin varoituskaikki ohjeet. Käytölle suojakäsineitä/

SK Pozor
Pozor! Povážlivé podráždenie očí. Nosiť ochrannú ochranu/ ochrannú odieľ/ ochrannú prilahu/ ochrannú prilahu. Ak podráždenie očí pretrváva: poradiť sa lekárom.

BG Внимание
Позор! Поважливо подраѓање на очите. Носете заштитно одевство/ заштитна одевност/ заштитна одевност/ заштитна одевност. Ако подраѓање на очите не престане: побарajte помош од лекар.

RO Avertisje
Proceda cu atentie: greevã iritare la ochii. Purtați mãnuși de protecție/îmbrăcăminte de protecție/echipament de

UK Advarsel
Proceda con cuidado: Irritación ocular. Usar guantes/prendas/ gafas/lentes de protección. Si persiste la irritación ocular: Consultar a un médico.

PL Uwaga
Powodzą poważne podrażnienie oczu. Stosować ochronę ochronną/ochronną odzież/ochronną odzież/ochronną odzież. W przypadku irytacji oczu: skontaktować się z lekarzem. Jeśli podrażnienie oczu nie ustanie: zasięgnij pomocy lekarskiej.

Wymagania
Wymagania w postaci roztworu do płyt off-setowych

SK Pozor
Pozor! Povážlivé podráždenie očí. Nosiť ochrannú ochranu/ ochrannú odieľ/ ochrannú prilahu/ ochrannú prilahu. Ak podráždenie očí pretrváva: poradiť sa lekárom.

BG Внимание
Позор! Поважливо подраѓање на очите. Носете заштитно одевство/ заштитна одевност/ заштитна одевност/ заштитна одевност. Ако подраѓање на очите не престане: побарajte помош од лекар.

RO Avertisje
Proceda cu atentie: greevã iritare la ochii. Purtați mãnuși de protecție/îmbrăcăminte de protecție/echipament de



STAY AHEAD. WITH AGFA GRAPHICS.

The information given in this leaflet is considered to be reliable and is provided in good faith but without guarantee. Specifications subjects to change without notice.
AGFA, the Agfa-Rhombus are trademarks of Agfa-Gevaert, Belgium. - www.agfagraphics.com
©2015 Agfa-Graphics N.V., B-2640 Mortsel, Belgium
January 26, 2015

Energy Elite Deletion Pen

Deletion Pen

Deletion pen for :Energy Elite plates. This pen is available with medium and broad tip.

Medium tip: case of 3 pens **Art. code** P8G24
Broad tip: case of 3 pens **Art. code** P7JK3

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate. Be careful that you don't wipe the correction liquid residue in the image area.
- Wipe the plate dry and re-gum the plate with the gum in use.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate. Be careful that you don't wipe the correction liquid residue in the image area.
- After cleaning with a wet cotton path, clean the plate with the dedicated plate cleaner to restore the desensitising capacity of the plate.
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	: Energy Elite	: Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✗	✗	✗	n/a	✗	n/a	✓	n/a	✓	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	n/a	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✗	n/a	✗	✗	n/a	✗

:Energy Elite Pro

Next generation no-bake positive thermal plate

Agfa Graphics' newest thermal positive no-bake plate.

:Energy Elite Pro offers printers a plate, developed for consistent quality printing with high productivity, lower chemistry consumption and higher run length with UV inks.

:Energy Elite Pro is a robust plate, suitable for a wide range of commercial and packaging applications. :Energy Elite Pro can achieve runs of up to 400,000 and in harsh environments (e.g. UV and metallic inks) up to 150,000 copies without baking⁽³⁾.

For even longer runs, :Energy Elite Pro can be baked.



:Energy Elite Pro's chemical resistance makes the use of fountain solutions for alcohol-free and alcohol reduced printing, as well as UV inks, easy, even without baking.

Compatible with all major thermal platesetters, the improved sensitivity of :Energy Elite Pro ensures maximum productivity, even on the newest high speed platesetters.

The THD200 developer and THR200 replenisher, specifically designed for this next generation plate, ensures longer bath life and lower chemistry consumption. The low-maintenance processor rarely needs cleaning. When it does, standard tap water can be used, making the whole cleaning process extremely easy.

Agfa's no-bake technology

Agfa's innovative double-layer coating technology gives :Energy Elite Pro its robust properties.

The unique composition of the second layer, ensures high chemical resistance. As a result, :Energy Elite Pro performs flawlessly in high-speed platesetters and is compatible with UV and metallic inks, even without baking.

The plate's robust characteristics offer advantages on press as well. :Energy Elite Pro ensures fast start-up, low dampening levels, stable ink/water balance and excellent lithographic performance on press, including fast re-start after press stops.

:Energy Elite Pro



Durable high-quality imaging

:Energy Elite Pro is office light-safe. This next-generation positive thermal plate provides durable, high-quality imaging. At 200 lpi, the innovative double-layer technology delivers 1-99% dot resolution. With FM or :Sublima high-screen ruling, Energy Elite Pro always delivers exceptional quality. The new double-coating formula ensures a sharp dot throughout the run.

Long run, no-bake thermal plate

:Energy Elite Pro performs consistently and dependably on press under a wide range of aggressive press conditions, without the need to post-bake.

With Energy Elite Pro, AGFA continues to bring environmental benefits to new technology. With the elimination of the pre-heat and post-bake requirements of the previous generation thermal plates, combined with a reduced chemistry consumption, :Energy Elite Pro significantly reduces costs and energy consumption.

Compared to :Energy Elite, new generation :Energy Elite Pro offers even more advantages:

- Speed increase of 20%, depending on plate setters
- Improved run length for UV inks
- Lower chemistry use (-20%)
- No dot loss

Plate Specifications

Sensitivity	100mJ/cm ²
Resolution	1-99% at 200 lpi. FM and :Sublima 340 lpi capable ⁽¹⁾
Developer/Replenisher	THD200 Developer & THR200 Replenisher
Replenishment rate ⁽²⁾	50-70ml/m ² for THD200 and 40-70 ml/hour for THR200
Substrate	High quality grained and anodised aluminium
Run length ⁽³⁾ unbaked	Up to 400,000 and up to 150,000 (UV ink) Baking will improve the runlength under specific circumstances
Processors	Compatible with all major thermal plate processors

⁽¹⁾ depending on platesetter

⁽²⁾ depending on used processor and daily throughput

⁽³⁾ depending on press conditions and job content

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Plate Cleaner	:ANTURA CtP Plate Cleaner
Washout Gum	:ANTURA CleanGum
Machine Finisher	:RC795, :Unifin
Baking Gum	:RC510
Desensitizing Agent	:Plate Etch Plus
Fountain Solution	:Energy Elite Pro is compatible with all Agfa fountain solutions
Roller and blanket washes	:Energy Elite Pro is compatible with all Agfa roller & blanket washes

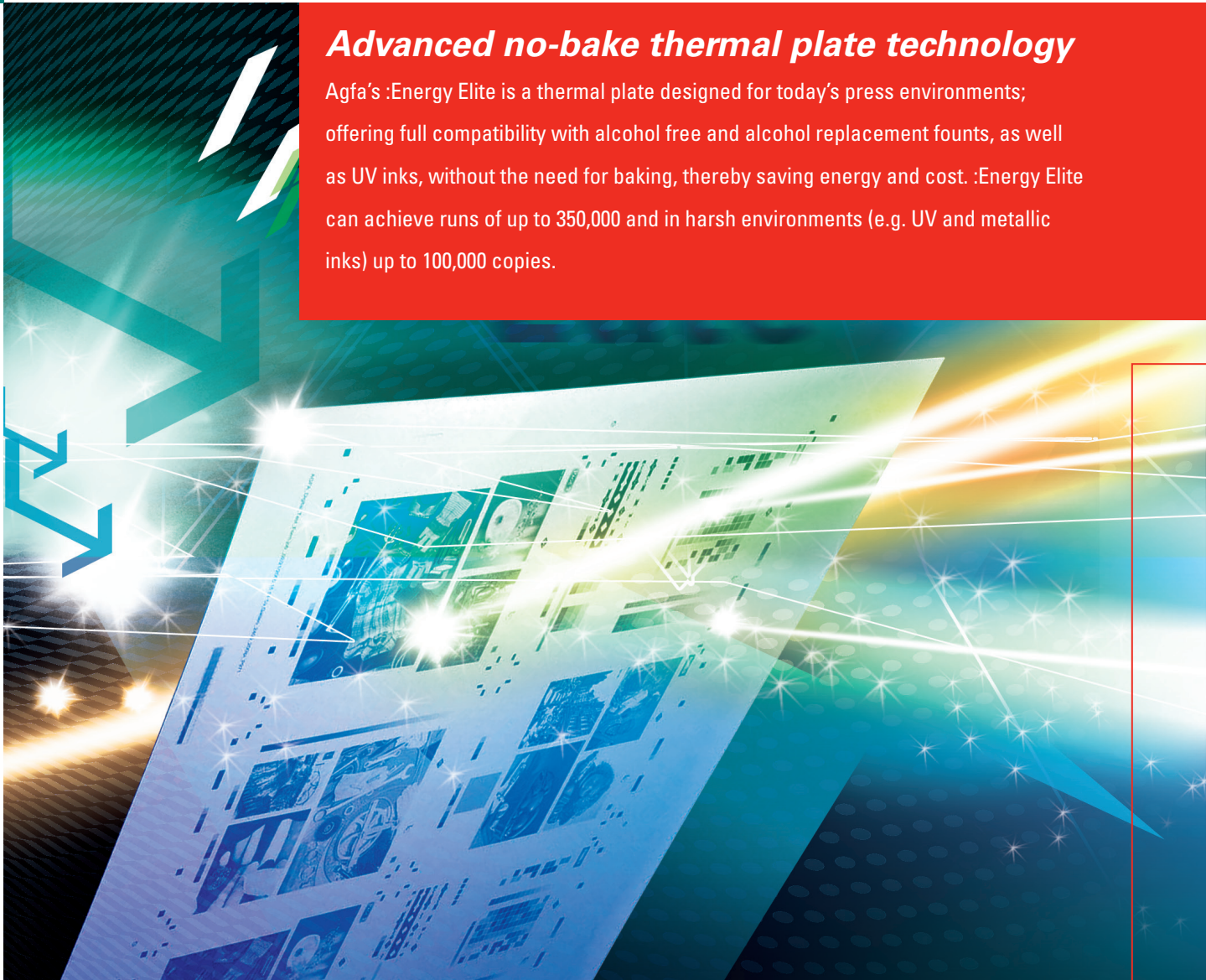
A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.

Not all plates are available in every region. Contact your local Agfa representative for more information.

:Energy Elite

Advanced no-bake thermal plate technology

Agfa's :Energy Elite is a thermal plate designed for today's press environments; offering full compatibility with alcohol free and alcohol replacement founts, as well as UV inks, without the need for baking, thereby saving energy and cost. :Energy Elite can achieve runs of up to 350,000 and in harsh environments (e.g. UV and metallic inks) up to 100,000 copies.



The plate is fully compatible with all the major 830nm thermal platesetters and its very high sensitivity enables maximum productivity thus supporting very high plate throughput and, in some situations, extending thermal laser life. The plate system uses its own dedicated :Energy Elite Improved developer, which, along with its replenisher, ensures a long bath life, low chemistry consumption and clean processing.

:Energy Elite no-bake technology

:Energy Elite's durable, long run press performance is due to its double-layer coating technology. The use of the highly chemical-resistant second layer enables long run performance without the need for post baking.

It is compatible with UV and metallic inks and performs well with alcohol substitute founts. However, it can be baked to further increase its run length by 50 – 100%. Therefore, :Energy Elite is a robust plate, suitable for a wide range of commercial and packaging applications.

:Energy Elite. High quality imaging

:Energy Elite is a positive working plate with very high image contrast and is daylight-safe. Agfa's advanced double-layer coating technology gives :Energy Elite a 1-99% imaging capability at 200 lpi. It is also capable of FM and :Sublima 280 imaging to deliver printed results of stunning quality.

:Energy Elite



:Energy Elite. No compromise on press

The use of Agfa's Flat Substrate Technology guarantees the widest latitude on press without compromising performance. This ensures fast start-up, low dampening levels, stable ink/water balance and excellent lithographic performance on press, including fast re-start after press stop-downs.

:Energy Elite. Long run, no-bake thermal plate

:Energy Elite gives a robust, dependable press performance under a wide range of aggressive press conditions, without the need to post-bake. By eliminating the pre-heat and post-bake requirements of the 1st Generation thermal plates, :Energy Elite significantly reduces costs and energy consumption.

The highly sensitive plate emulsion gives consistent, high quality imaging and will tolerate variations in exposure and processing conditions without significant changes to the printed result. The :Energy Elite Developer system assures long chemistry bath life and reduces processor cleaning.

Plate Specifications

Sensitivity	120mJ/cm ²
Resolution	1-99% at 200 lpi. FM and :Sublima 280 lpi capable ⁽¹⁾
Developer	:Energy Improved Developer & Replenisher
Replenishment rate	80-100ml/m ² and 50-90 ml/hour for new :Energy Improved Developer
Substrate	High quality grained and anodised aluminium using Agfa's Flat Substrate Technology
Run length ⁽²⁾ unbaked	Up to 350,000 and up to 100,000 (UV ink) Baking can double the runlength under specific circumstances
Processors	Compatible with all major thermal plate processors

⁽¹⁾ depending on platesetter

⁽²⁾ depending on press conditions and job content

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Plate Cleaner	:ANTURA CtP Plate Cleaner
Washout Gum	:ANTURA CleanGum
Machine Finisher	:RC795, :Unifin
Baking Gum	:RC510
Desensitizing Agent	:Plate Etch Plus
Fountain Solution	:Energy Elite is compatible with all Agfa fountain solutions
Roller and blanket washes	:Energy Elite is compatible with all Agfa roller and blanket washes

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.

Not all plates are available in every region. Contact your local Agfa representative for more information.

2007
INTERTECH
TECHNOLOGY
AWARDS



FOR INNOVATIVE EXCELLENCE™
:Energy Elite won the 2007 PIA/GATF InterTech™ Technology Award.

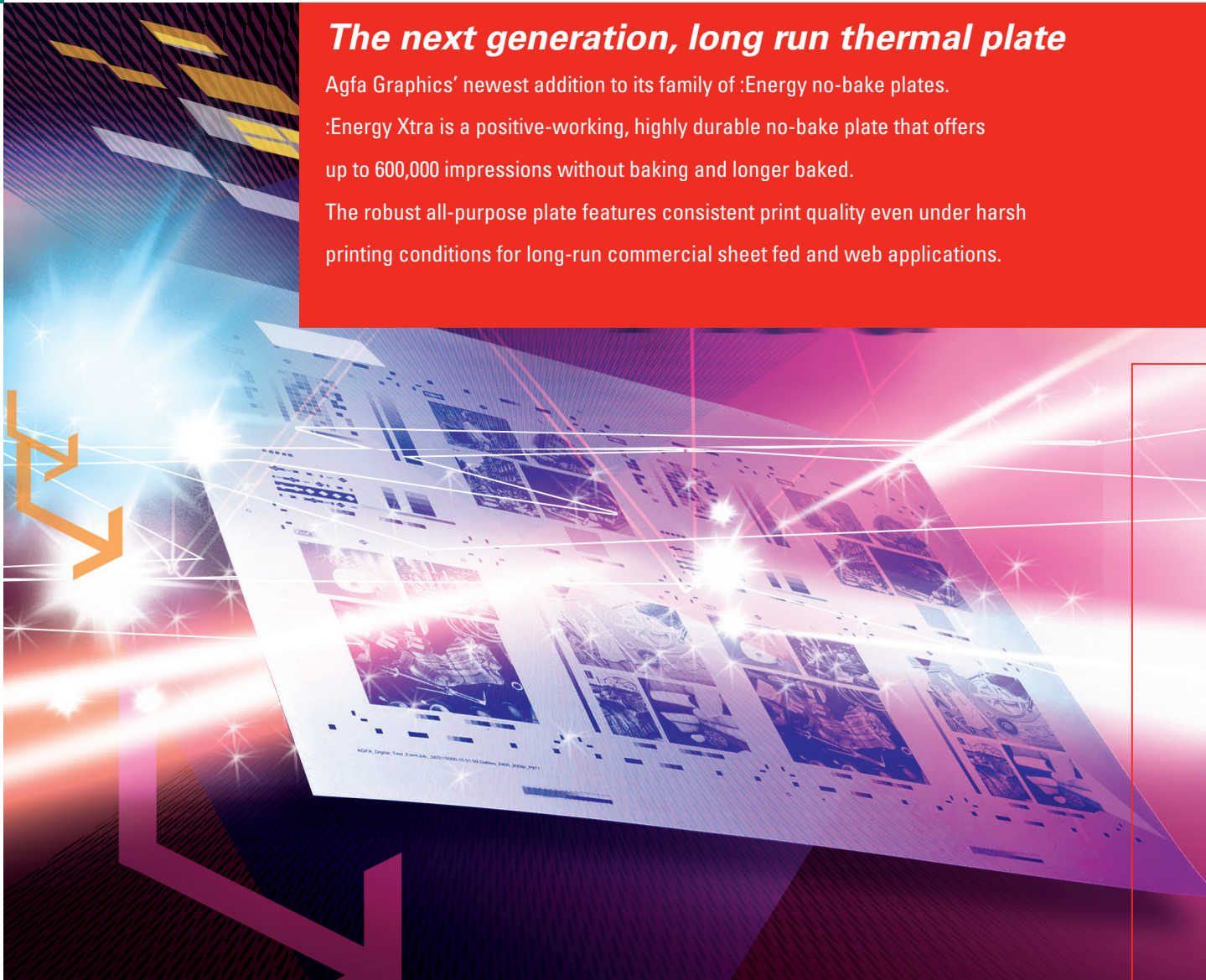
:Energy Xtra

The next generation, long run thermal plate

Agfa Graphics' newest addition to its family of :Energy no-bake plates.

:Energy Xtra is a positive-working, highly durable no-bake plate that offers up to 600,000 impressions without baking and longer baked.

The robust all-purpose plate features consistent print quality even under harsh printing conditions for long-run commercial sheet fed and web applications.



Long run, no-bake aluminum plate technology

Agfa Graphics continues to respond to market needs by investing in R&D to bring new and improved solutions to market. :Energy Xtra is an example of this continued effort. Its robust coating composition and high grade aluminum substrate demonstrate superior mechanical resistance to harsh print environments without the need for post baking. For even longer runs and UV applications, a post bake at low temperature is all that's required reducing energy costs. Agfa's unique graining technology delivers the widest latitude on press ensuring fast roll-up, low dampening levels, stable ink-water balance and excellent lithographic performance, including fast re-start after press stops. This makes :Energy Xtra very suitable for demanding commercial sheet fed and web applications.

High quality imaging and productivity

:Energy Xtra is a positive working plate with high image contrast and is daylight safe. :Energy Xtra is compatible with all major thermal platesetters, and is available in VLF sizes up to 96 page for web presses. The sensitivity of :Energy Xtra ensures high productivity and high resolution (1-99% @ 200 lpi ABS, :Sublima 280 XM screening; 20 micron FM screening) ensuring superior image quality. Its dark blue plate contrast allows for easy plate inspection and plate treatment in the entire print production chain for added convenience.

:Energy Xtra

Processing

The :Energy Xtra Developer and Replenisher are specifically designed ensuring long bath life and low chemistry consumption for economy and ecology. For further ecological savings, the rinse section on Agfa Graphics' :Elantrix SX processor can be put in water save mode, considerably reducing water consumption.

Agfa Graphics offers a complete portfolio of advanced, integrated solutions and services to help you succeed. From state of the art workflow to CtP equipment to the largest portfolio of thermal and violet digital plates, Agfa Graphics provides you with the products, knowledge and support that will keep you competitive and help you prosper.



Plate Specifications

Technology	Positive working thermal
Substrate	High grade aluminum
Gauges	0.20 - 0.30 - 0.40 mm
Platesetter compatibility	Compatible with major thermal 830 nm platesetters
Laser energy ⁽¹⁾	130 - 160 mJ/cm ²
Resolution ⁽¹⁾	1-99% at 200 lpi ABS; :Sublima 280 XM Screening; 20 micron FM Screening
Light stability	White light safe
Processor	Compatible with major thermal dip tank processors Both brush and no-brush configurations supported
Developer/Replenisher	:Energy Xtra Developer :Energy Xtra Replenisher
Replenishment rate ⁽²⁾	70ml/m ² with :Energy Xtra Replenisher
Bath life ⁽²⁾	Up to 5,000 m ²
Run length ⁽³⁾	Up to 600,000 impressions unbaked, longer baked UV ink compatible after post-bake

⁽¹⁾ depending on platesetter

⁽²⁾ depending on processor and daily throughput

⁽³⁾ depending on press conditions and job content

Agfa Graphics' Optimized Gums and Pressroom Chemicals

Plate Cleaner	:ANTURA CtP Plate Cleaner
Washout Gum	:ANTURA CleanGum
Machine Finisher	:RC795, :Unifin
Baking Gum	:RC510
Desensitizing Agent	:Plate Etch Plus

**A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.
Not all plates are available in every region. Contact your local Agfa representative for more information.**

www.agfagraphics.com

© Copyright 2012 by Agfa Graphics N.V. All rights reserved.
AGFA and the Agfa rhombus are registered trademarks of Agfa-Gevaert NV & Co KG.
:Energy and :Sublima are trademarks of Agfa Graphics N.V.
All product specifications are subject to change without notice.
05558 GB 00201209

AGFA 

STAY AHEAD. WITH AGFA GRAPHICS.



•Eversify

Reaching users of mobile devices with messages is a necessity for many publishing houses nowadays. Eversify makes it easy for you to diversify content and maintain your customers' loyalty in the long term.

With this cloud-based solution by Agfa Graphics you can automatically incorporate the data of your layout and content management systems and seamlessly publish them on a large selection of tablets and smartphones as an HTML5-based newspaper or magazine.

•Eversify

For Eversify, we used our experience in workflow automation to develop a system that automatically records content, formats it for several devices and operating systems in a responsive way, updates it and also allows you to edit and publish it – all the while retaining the look and feel of your brand. And the best is that you can achieve all this with minimum investment.

FLEXIBLE CONNECTIVITY

Do you work with Adobe InDesign, with one of the widespread commercial or newspaper editorial systems or with PDF files? We are familiar with the complexity of workflows and understand how to generate enhanced e-paper, HTML5-based app or web-edition solutions from these data. That is why we equipped Eversify with unlimited flexibility. This translates into a high degree of compatibility with several data sources and CMS systems based on an XML structure, omitting the necessity for costly technological equipment.

MAXIMUM AUTOMATION

With Eversify, data are analysed and automatically processed by the intelligent content mapping and design specifications technology of Agfa Graphics. An issue based on your desired publishing schedules is generated for several devices.

The cloud-based server with Eversify makes tasks very easy for you. You can see an issue preview, change content and receive a final preview for approval. And you will see exactly how the content will look on all of the desired devices, such as tablets or smartphones.



UNIQUE VERSATILITY

Eversify uses the publishing house's existing processes for content creation – for both print and online materials – which is why the required additional efforts are minimal. No other mobile publishing solution offers simultaneous, absolute automation of content and layout for all mobile devices and their various operating systems.

READER EXPERIENCE

Eversify gives your readers the reading experience that they expect from mobile devices. Young consumers in particular expect a high level of entertainment. Integration with social media such as Facebook and Twitter enables your readers to promote your brand. The integrated Disqus platform allows you to have interactive discussions with your readers about current articles. RSS feeds equip your app with the latest headlines. The integrated auto-hyphenation function in Eversify delivers maximum comfort and excellent reader aesthetics.

Bottom line: A classy reading experience that ensures enduring interest among readers.

BRAND INTEGRITY

Automation does not need to be accompanied by loss of identity. With Eversify you can protect all the components of your brand that make it unique: logos, fonts, colour schemes, animations as well as layout and design. Predesigned templates can be easily changed and customized with Eversify. This way your mobile apps can increase your brand awareness and give your brand an innovative flair.

INCREASED PROFITS

Find new digital readers or bundle the digital offer with traditional printed issues and offer advertisers attractive digital ads or combination packages with printed issues. Combine various products into one digital kiosk and use it as a very attractive sales platform. The final result is a continuous stream of new sources of income. With the integrated Eversify Deluxe usage analysis you are perfectly informed about your customers' consumer behaviour at all times and can therefore optimize your offer on an ongoing basis. In real-time your editorial will be able to watch what your readers like and appreciate in your digital products.



COST-EFFECTIVE

With Eversify you only need a web browser for your daily work. Costly investments in new devices or other infrastructures are not necessary. Automation of the entire process ensures an even greater decrease of your costs. With Eversify you do not need any additional personnel for creating or managing your mobile content. And, very importantly, you are not dependent on the respective stores. It is very easy to connect your existing subscription server with Eversify.

PROVEN RELIABILITY

When developing Eversify, we are able to fall back on a comprehensive treasure trove of experiences in cloud-based infrastructure solutions for medical applications and hospital networks from our colleagues at Agfa HealthCare. These include comprehensive experiences in working with sensitive and secured data. So your publication is in the best of hands.

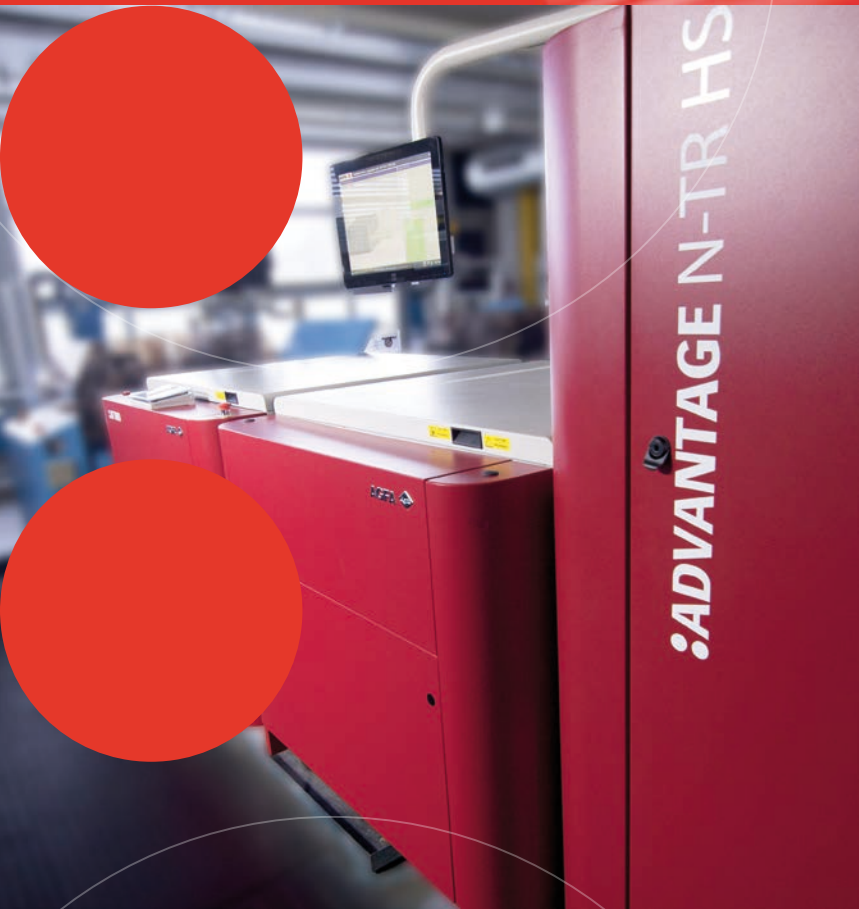
SERVICES BY EXPERTS

You will get more than technology from Agfa Graphics. You will also get the know-how of a company that has a proven success rate as well as a wide range of innovations in the publishing sector. Our consulting and training services are aimed at keeping your business productive and profitable. We offer you professional services such as data transfer, integration, monetary valuation in app stores and template designs.

ARGUMENTS THAT WILL LEAD YOU TO SUCCESS

- Solution independent of the editorial systems for commercial and newspaper production;
- Experienced, international software manufacturer with more than 7,000 workflow installations under its belt;
- In-house R&D, headquartered in California;
- Varied application areas due to various Eversify app versions, from enhanced digital copy (enhanced PDF) to an interactive HTML5 app or web-edition;
- Support of established output devices and operating systems with responsive design;
- Maximum value and profit creation through the use of in-house subscription structures;
- Pure automation – Eversify app creation without manual intervention;
- Professional project management for integration, communication and design.





Expert Services

When it comes to your business, you're the expert. You know every nuance of your operation. At the same time you have major issues to deal with such as market fluctuations and finding newer, more varied ways to grow your business. Yet you also know that having a streamlined, highly productive operation is key to achieving your goals. What do you do?

Turn to another set of experts: Agfa Graphics Expert Services.

Expert

Agfa Graphics' know-how at your service.

You'll have peace of mind knowing that your operation is running at peak performance. Our IQA—ISO Quality Assist—will see to it that your quality assurance procedures meet the most stringent industry standards. Our advanced CtP installation and integration services will allow you to achieve maximum production efficiency with few to zero errors.

We'll bring your staff up to speed with expert training and cross training so that your entire workflow never skips a beat. And your employees feel more valued. There is always more you can do to make your business more profitable. Our consultancy team will help you find every opportunity—from the first client contact to the final delivery—to make sure that more of what you earn goes directly to the bottom line.

Talk to us. Let us provide our Expert service so you can spend more time using yours.

Quality Control

Agfa Graphics Expert Services' IQA (ISO Quality Assist) ensures that you are operating under strict ISO industry standards. You'll have total quality control. IQA gives you and your customers the guarantee that the output quality is fully under control and that your quality can be repeated consistently.

IQA's modular design takes the needs of different organizations into account. These modules address imaging quality, plate uniformity and tone curve, system setup, daily quality control, RIP profiling, color space, dot loss on press, water analysis, Agfa Press Room Solutions compatibility and Agfa fountain curve.

Pre-Press IQA guarantees a standardized and reproducible CtP system output quality in accordance with ISO 12647-3. It verifies your CtP output quality. While this program is performed during standard installation, it can also be used to verify the quality of older or previously installed CtP systems.

Pre-Press Plus IQA manages quality perception based on Pre-Press IQA. The Pre-Press Plus IQA is facilitated at the Advantage N production site with your engines and your operators and specialists. It follows the Pre-Press IQA CtP output quality verification process. In addition it gives you the additional benefit that you can witness where and how your engine is being assembled and audited.

Pre-Press IQA 4You is your in-house version of Pre-Press IQA program. It is designed for the daily control of your CtP output quality.

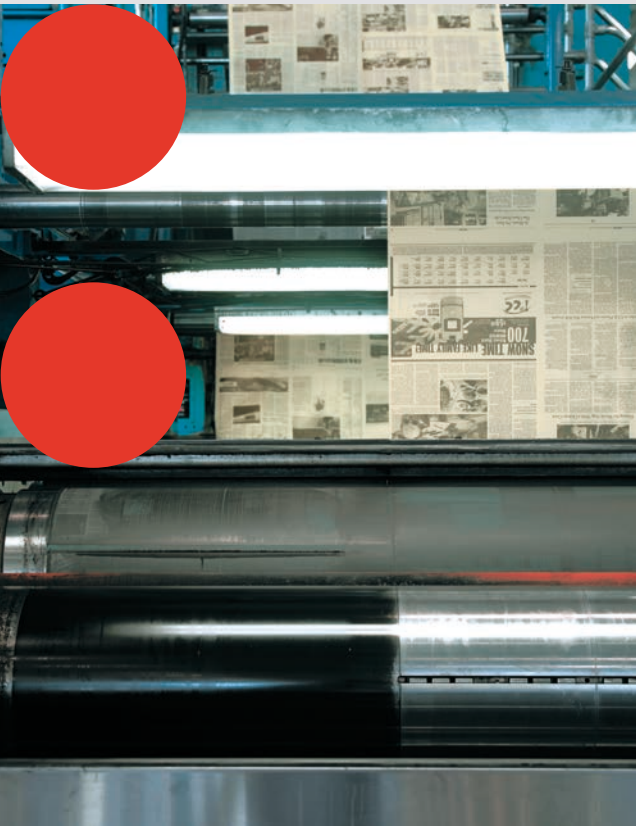
Press IQA assesses and adjusts print quality for consistent, predictable output and this in conformity with ISO 12647-3.

Press Plus IQA is an extended version of the Press IQA that includes RIP profiling for print-quality optimization.

Fountain IQA assesses the water quality and the water setup curve and its conformity with ISO 12647-3. After the analysis, recommendations will be given for dosing of fountain additive and buffer capacity.

Fountain Plus IQA is an extension of the Fountain IQA module. It includes water setup curves for the Agfa Press Room Solutions. This to guarantee optimum printing results with Agfa fountain additives.

Fountain IQA 4You sets up a procedure for daily quality control of your process water and fountain solution.





Consultancy

Maybe you produce a constant flow of high-volume work. Maybe you specialize in fast-turnaround short runs. Or maybe you produce high quality jobs. Your business is unique and so are your issues. That's why you need knowledge and assistance that's tailored to your organization.

Agfa's consultative and educational services give your organization the expertise it needs to be productive, profitable and knowledgeable about the latest technological advancements and industry trends. Let Agfa experts examine your current workflow, pinpoint inefficiencies and give you recommendations that help you reach your production goals. Our Expert Services include strategic implementation of workflow technology, color management, ink saving solutions, project management, as well as employee interaction to help assess issues.

Workflow analysis identifies the best technology for your operation. It looks at automatic exchange of data between the different stages of the workflow to eliminate errors, lessen manual interventions and provide better monitoring, reporting and overall control. It considers the use of Cloud Services, MIS, CMS, Press Control Systems, Tracking & Reporting Systems, Planning & Scheduling Systems and Agfa production systems.

Color Systems analysis determines which technology would best accomplish your goals with predictable colorimetric results. A strategic approach to color technology uses industry standards for more efficient and predictable results.

Ink Saving Solutions provide higher ink savings and a reduced risk of print-through on thinner substrates. You'll learn how to shorten the time it takes for the first print OK, correct neutral balance and reduce the risk of set-off for cleaner prints with fewer handling problems.

Project Management. Agfa Graphic's highly trained consultants will guide you how to deliver a project in a timely and cost-effective manner, by project budgeting, planning, monitoring, steering and performing change control and risk management.



CtP Advanced Installation and Integration

We make CtP easy. We also give you more. Our advanced program goes beyond standard installation to give you more of what you need for optimal plate production. Choose from five advanced installation modules.

All Agfa CtP systems are calibrated in accordance with Agfa's unique IQA. However, if you have multiple engines with different capabilities it is best to have **Multiple Engine Matching**. This provides image consistency when you are using different CtP systems to produce a single job. It also gives you the flexibility of choosing whichever platesetter is free when you need plates quickly or to split one job over more than one CtP engine when deadlines are running short.

Punch Bender & Plate Alignment not only integrates the bender with the platemaker but also adds image adjustment and objects such as cross marks to secure optimal plate processing. The result: optimal process flow with minimal plate waste.

Additional plate formats (for Advantage N-DL or TR systems) adds different page-size formats and FlexTrays to give you the flexibility to produce a wider variety of print projects.

The additional resolutions installation module gives you — in addition to your default imaging resolution — the possibility to install any additional resolution between 900 and 2540 dpi. This “seamless” choice gives you full control of the quality you are aiming for and let you produce a greater variety at work.

Increase your efficiency and productivity by integrating your plate sorter into the Agfa workflow with the CtP system. That's what you get with Expert Services **Plate Sorter Integration**.

Training

You're in a demanding, high pressure business. You can't afford a single glitch. Even when you use the most reliable products, things happen. To prevent or minimize downtime you need a highly skilled and trained staff.

Academy provides your team with the knowledge and expertise it takes to create efficient, quality-controlled processes that allow you to deliver top-quality products to your customers.

Operator training extends training for the Advantage N to additional groups of five—beyond the five you receive during standard installation.

Customer Service Training prepares your team to handle first-line service interventions to considerably shorten correction time and cost should an equipment problem occur. It also provides insight into engine mechanics, pneumatics and electronics—a valuable knowledge base for your staff.

Advanced Customer Service Training takes your team beyond the first line to learn advanced maintenance & service on your Agfa Graphics' newspaper CtP equipment.

