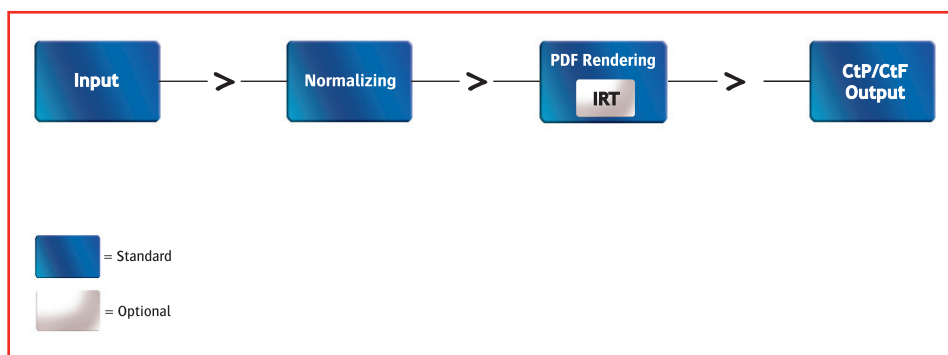


Apogee PREPRESS

Apogee Render



Quality Output at High Resolution

Apogee Render is a single platform ripping solution designed for simplified output on plate or film. Ease of use is key: Define the output engine you want to drive, select the right parameters and you're ready to go! Apogee Render is the most basic Apogee solution for quality output at high resolution.

Integrated Calibration

To guarantee the final output quality, Apogee Render comes with a user-friendly tool to create curves to linearize the output on film or plate. You can use the same tool to compensate for dot gain and other deviations on the printing press. Based on the process settings like resolution, screen ruling and paper type, automatically the right linearization and calibration curves are applied while rendering the files.



Output Integrity

The standard :Apogee Render solution includes a Normalizer to make sure that input documents, Postscript or PDF, can be processed correctly. The Normalizer not only converts Postscript to PDF, but will apply the right color management settings and recombine pre-separated input files to composite PDF's.

Advanced Color Separation Control

Input documents get separated into the four process colors. Or setup a printing queue (Hot Ticket) that informs you if the job contains spot colors, providing you control on the separations that will be output. You define the way you want to separate either in a production plan or from within your front-end layout application or Adobe Acrobat using the appropriate plug-in.

Complete Control

:Apogee's unique user interface lets you control the power of :Apogee Render. You can let jobs process without interruption or intervene at any time. Drag-and-drop tools let you interact in real-time, stop or start output, change output priority, view digital film before imaging to plate or remake a plate if required.

An Upgrade Path to Leverage Your Investments

As your production requirements change, Agfa Graphics can offer a simple upgrade path to :Apogee Control, extending the functionality with a set of tools that allow you to monitor and define the rendering process. If also preflighting, imposition, or more automation features are required, then you can also upgrade to :Apogee Manage or :Apogee Automate.



Features and Benefits

Hot folder, AppleTalk, Named Pipe, TCP/IP, LPR input channels:

Allow input from any Mac, PC, or Unix based applications.

Hot Tickets: Contain pre-defined Production Plans for fully automatic (hands-off) output of print jobs. They graphically describe all required processing steps and define the settings for a job to obtain the wanted output on CtF or CtP imaging devices.

Job Tracking & Controlling: Easy-to-use tools let you monitor the progress of a print job and interact with it to either, delete, change its priority, or perform remakes.

MSDE database: Logs all job related processing information and keeps track of all resources such as production files, fonts, ICC profiles, and halftone screens. Logging information can be easily shared with any ODBC compliant applications for cost calculation purposes.

Adobe PDF Print Engine: Renders PDF files natively to digital films, using the latest available technology. The Adobe PDF Print Engine eliminates the need to flatten transparent artwork upfront providing consistency of output.

Combined with Agfa Graphics' colour management and screening technology, the APPE enables a more efficient and reliable end-to-end PDF workflow.

In-Render Trapping (IRT) (enhancer): Provides automated hands-off trapping of pages or signatures. Influence trap-zones using the TrapSpotting plug-in for Adobe Acrobat.

Screening: Agfa Balanced Screening and :Sublima 200lpi.

Optional :CristalRaster FM Screening and :Sublima XM screening for screen rulings above 200lpi.

Soft Proofing: The default contone previewer enables viewing of Digital Film to check for correct separation, overprint, knockout, and trapping. The optional Raster Preview allows you to see the real dots the way they will image on film or plate.

Hardcopy Proofing (enhancer): Using the same Adobe based renderer that generates the digital film, quality proofs are generated from pages and signatures, providing 100% data integrity. Quality of the proofs can be enhanced even more if output is wanted to one of the many :Sherpa proofing devices, and its quality is managed using QmsX.

Five :Apogee Client Licenses: A native graphical application for Macintosh and PC, enables five operators to logon to :Apogee Render simultaneously to manage output devices and proofers, or manage the entire :Apogee Render. Options are available to extend the number of clients.



:APOGEE PREPRESS

:Apogee Render



Enhanced Quality and Connectivity

:Apogee Render

Enhancers

Quality Output at High Resolution

Adobe based Normalizer	•
:Sublima 200 lpi	•

Upgrades

Upgrade to :Apogee Control, :Apogee Manage or :Apogee Automate	o
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Quality Enhancer

Adobe PDF Print Engine	•
In-Render Trapping (IRT)	o
Raster Preview	o
:ABS Options Kit	o
:Sublima at line rulings above 200 lpi, depending on platesetter and plate technology	o

Proofing Enhancer

Raster Preview	o
Hardcopy Proofing	o
:ColorTune, inclusive :QmsX - quality management for colour contract proofing	o

Connectivity Link

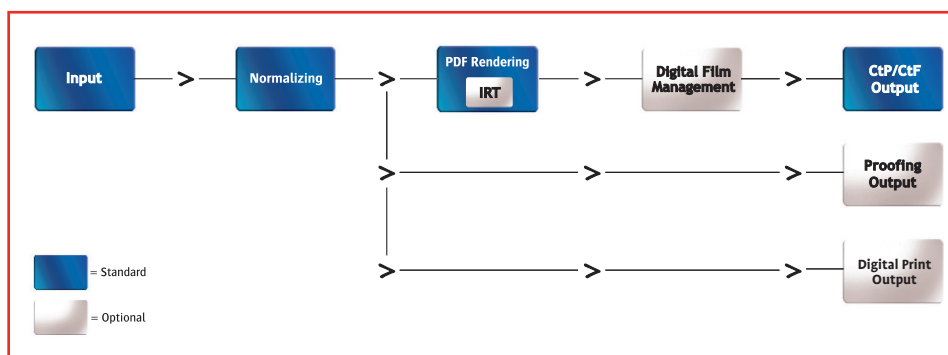
InkDrive - automatic CIP3 or CIP4 ink key setup generation	o
Non Agfa Output Link	o
:Apogee PlateMaker Link	•

• = standard
o = enhancer

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

:APOGEE PREPRESS

:Apogee Control



Complete Control over Output

:Apogee Control delivers control functionality over your film output, plate making, and proofing. With an intuitive graphical interface, it is easy to learn and use. Yet, it lets you control the power of :Apogee. You can let jobs process without interruption or intervene at any time. Drag-and-drop tools let you interact in real-time, stop or start output, change output priority, view digital film before imaging to plate or remake a plate if required. :Apogee Control can be configured in different ways to take on your output production needs.

The Perfect Fit for Service Bureaus, Prepress Companies and Small Printers

:Apogee Control was designed for operations that rely on off-the-shelf applications to produce pages or fully imposed flats. Easily and reliably, it takes PS, EPS, and PDF files and renders them for output to Agfa's wide range of platesetters and filmsetters, using acclaimed screening- and the latest plate technologies and to proofing devices. With :Apogee Control, setup and configuration is simple. Whether you are a seasoned user or new to prepress workflow, the unique graphical user interface intuitively helps you manage and track print jobs, control output queues, request plate remakes, generate page and imposition proofs, or soft proof screened and trapped digital films.



Import and Process Legacy Files

:Apogee Control can be enhanced with import and conversion tools to enable simple integration with your legacy workflow. Resolution of imported files can be adjusted to match the resolution of the output device, or can be descreened, down-sampled and colour-managed for colour accurate output to a wide range of Agfa's :SherpaProof proofing solutions, or can be output as a screened proof using :SherpaDot.

A Scalable Solution for Expanded Functionality and Productivity

:Apogee Control is scalable, adapts easily to match your exact throughput requirements and expand productivity as needed. A flexible licensing system enables you to add production enhancers and scale from a single-platform solution to a multi-platform workhorse. Once scaled, built in Fault Tolerance features provide additional security and minimized down-time in the event a computer platform or hard disk fails.

An Upgrade Path to Leverage Your Investments

As your production requirements change, Agfa can offer a simple upgrade path to :Apogee Manage, extending the functionality with fully integrated preflighting, and imposition, or further enhance the functionality with various unique automation features by upgrading to :Apogee Automate.



Features and Benefits

Hot folder, AppleTalk, Named Pipe, TCP/IP, LPR input channels:

Allow input from any Mac, PC, or Unix based applications.

Hot Tickets: Customized Production Plans for fully automatic (hands-off) output of print jobs. They graphically describe all required processing steps for a job: from page proofing to content proofing, to final output on CtF or CtP imaging devices.

Job Tracking & Controlling: Easy-to-use tools let you monitor the progress of a print job and interact with it to either hold, resume, delete, change its priority, approve/reject, perform remakes, or archive to near- or offline backup solutions.

MSDE database: Logs all job related processing information and keeps track of all resources such as production files, fonts, ICC profiles, and halftone screens. Logging information can be easily shared with any ODBC compliant applications for cost calculation purposes.

Adobe PDF Print Engine: Renders PDF files natively to digital films, using the latest available technology. The Adobe PDF Print Engine eliminates the need to flatten transparent artwork upfront providing consistency of output. Combined with the Agfa Graphics' colour management and screening technology, the APPE enables a more efficient and reliable end-to-end PDF workflow.

In-Render Trapping (IRT) (enhancer): Provides automated hands-off trapping of pages or signatures. Influence trap-zones using the TrapSpotting plug-in for Adobe Acrobat.

Screening: Agfa Balanced Screening and :Sublima 200lpi.
Optional :CristalRaster FM screening and :Sublima XM screening for screen rulings above 200lpi.

Soft Proofing: The default contone previewer enables viewing of Digital Film to check for correct separation, overprint, knockout, and trapping. The optional Raster Preview allows you to see the real dots the way they will image on film or plate.

Hardcopy Proofing (enhancer): Using the same Adobe based renderer that generates the digital film, quality proofs are generated from pages and signatures, providing 100% data integrity. Quality of the proofs can be enhanced even more if output is wanted to one of the many :Sherpa proofing devices, and its quality is managed using QmsX.

:Apogee PlateMaker Link: Enables seamless integration with an :Apogee PlateMaker providing additional digital film management tools, redundant platemaking and connectivity to legacy workflows and engines.

Five :Apogee Client Licenses: A native graphical application for Macintosh and PC, enables five operators to logon to :Apogee Control simultaneously to create and submit Hot Tickets, manage and track print jobs, manage output devices and proofers, or manage the entire :Apogee Control. Options are available to extend the number of clients.



:APOGEE PREPRESS

:Apogee Control

Enhanced Quality and Connectivity

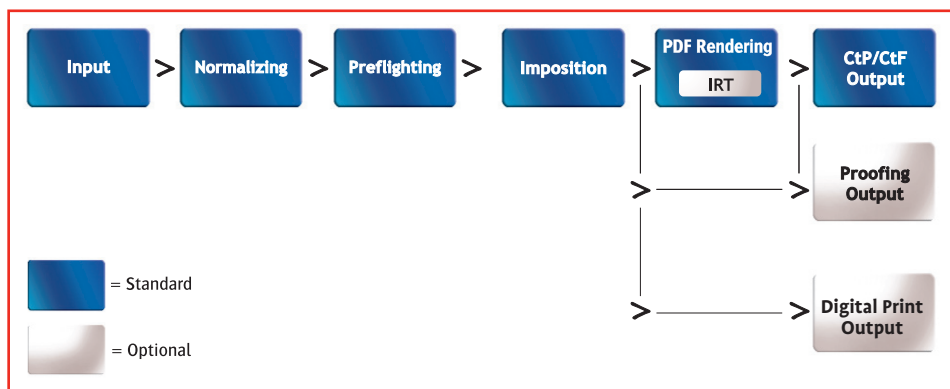
:Apogee Control	Enhancers
Complete Control over Output	
Multi-flow production plans	•
Production influencing actions such as archiving and notify	•
:Sublima 200 lpi	•
Upgrades	
Upgrade to :Apogee Manage or :Apogee Automate	0
Digital Film Manager & Raster Processing	
Digital Film Management/Room	0
Web Growth - compensation for paper stretching on web presses	0
Quality Enhancer	
Adobe PDF Print Engine	•
In-Render Trapping (IRT)	0
:ABS Options Kit	0
:CristalRaster	0
:Sublima at line rulings above 200 lpi, depending on platesetter and plate technology	0
Proofing Enhancer	
Raster Preview	0
Hardcopy Proofing	0
:ColorTune, inclusive :QmsX - quality management for colour contract proofing	0
Connectivity Link	
InkDrive - automatic CIP3 or CIP4 ink key setup generation	0
OpenConnect - import screened DCS and 1-bit TIFF	0
OpenConvert - import and convert (n)CT/(n)LW and TIFF-IT files	0
Non Agfa Output Link	0
:Apogee PlateMaker Link	•
Scalability	
Additional Output Capacity	0

• = standard
0 = enhancer

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

•APOGEE PREPRESS

•Apogee Manage



Prepress Tasks Made Simple

:Apogee Manage gives you exactly what you need to manage your complete prepress workflow simply and reliably. It comes with advanced tools to handle PDF creation, preflighting, page management, imposition, plate making and can also include proofing and trapping. Because it is so easy to learn and use, you'll benefit immediately from a streamlined and truly integrated prepress workflow.

The Most Cost-Effective Way to Manage Your Prepress Workflow

Designed for printing companies that produce a moderate volume of plates, :Apogee Manage provides a complete solution that runs on a single platform. It integrates powerful tools normally found only in high-priced production systems such as automatic trapping, preflighting, imposition and proofing. Its intuitive drag-and-drop user interface lets you graphically create a production plan. The resulting job ticket, will contain all necessary information to manage all different processes of prepress production reliably and efficiently.



Efficient Delivery and Approval of Page Content

:Apogee Manage can be enhanced with the optional :Apogee WebApproval – providing web-based page-upload and approval services to print buyers. Email notifications inform the print buyer about pages that await approval. As an additional service, preflight reports are made available to inform the print buyer on errors in the delivered pages, and to allow corrective measures without unnecessary delays. The approval cycle is in real-time; removing the time it typically takes when approving hardcopy proofs. It also provides savings on shipping costs, since there is no hardcopy proof that needs to be send back-and-forth between you and the print buyer.

A Scalable Solution for Expanded Functionality and Productivity

As your business grows or your needs change, a simple upgrade from :Apogee Manage to :Apogee Automate will give you access to more powerful tools. To meet changing performance requirements :Apogee Manage can also be scaled to a multi-platform solution with Fault Tolerance functionality. If your business goals include diversification with digital print services, you can extend typical commercial offset workflow tasks to a hybrid workflow environment driving digital presses based on JDF/JMF. The re-use of prepress knowledge and workflow capabilities will increase efficiency by streamlining the production.

Features and Benefits

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

Hot Tickets: Contain Production Plans for fully automatic (hands-off) production of jobs.

Comprehensive Job Tickets - Production Plan - MultiFlow:

Provides a single job ticket that graphically describes all required processing steps for a job, from PDF creation, preflighting, to imposition and trapping; from page proofing to content proofing, to final output on any of the supported CtF or CtP imaging devices.

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

PDF Preflighting: Is based on the Enfocus PitStop Server technology providing automated preflighting and Certification of PDFs.

Page Management: Select and drop the required pages for the job on the right place holder. At a single glance view whether the document page size matches the defined page size of the imposition. Scale, rotate and offset the pages to obtain the perfect fit. Manage page revisions automatically .

Integrated Imposition: Provides automated imposition of PDF pages.

Adobe PDF Print Engine: Renders PDF files natively to digital films, using the latest available technology. The Adobe PDF Print Engine eliminates the need to flatten transparent artwork upfront providing consistency of output.

Combined with Agfa Graphics' colour management and screening technology, the APPE enables a more efficient and reliable end-to-end PDF workflow.

In-Render Trapping (enhancer): Provides automated hands-off trapping of pages or signatures. Influence trap-zones using the TrapSpotting plug-in for Adobe Acrobat.

Hardcopy Proofing (enhancer): Using the same Adobe based renderer that generates the digital film, quality proofs are generated from pages and signatures, providing 100% data integrity. Quality of the proofs can be enhanced even more if output is wanted to one of the many :Sherpa proofing devices, and its quality is managed using QmsX.

Screening: Agfa's Balanced Screening, :Sublima 200, and optional :CristalRaster FM Screening and :Sublima XM Screening at line rulings above 200 lpi.

Soft Proofing: The contone previewer enables viewing of Digital Film to check for correct separation, overprint, knockout, and trapping. The optional Raster Preview allows you to see the real dots the way they will image on film or plate.

Five :Apogee Client Licenses: A native graphical application for Macintosh and PC, enables five operators to logon to :Apogee Manage simultaneously to create and submit Job Tickets, manage jobs, track jobs, or manage the entire :Apogee Manage. Options are available to extend the number of clients.



:APOGEE PREPRESS

:Apogee Manage

Enhanced Quality and Connectivity

:Apogee Manage	Enhancers
Integrated Workflow Management	
Page Management (including offset, scaling, page revision handling)	•
Imposition based on PJTF and JDF	•
PDF based Plate Versioning	•
Upgrades	
Upgrade to :Apogee Automate	0
Digital Film Manager & Raster Processing	
Web Growth - compensation for paper stretching on web presses	0
Digital Film Management/ROOM	0
Proofing Enhancer	
Raster Preview	0
Hardcopy Proofing	0
Split for Proof	0
:ColorTune, inclusive :QmsX - quality management for colour contract proofing	0
:Apogee WebApproval	0
Quality Enhancer	
:ABS Options Kit	0
:Sublima at line rulings above 200 lpi, depending on platesetter and plate technology	0
In Rip Trapping (IRT)	0
Adobe PDF Print Engine	•
PDF Preflighting (default profiles)	•
:InkSave	0
Connectivity Link	
InkDrive - automatic CIP3 or CIP4 ink key setup generation	0
Non Agfa Output Link	0
:Apogee PlateMaker Link	•
Postpress Link	0
Digital Print Link	0
Scalability	
Additional Output Capacity	0
Additional PDF Processing Capacity	0

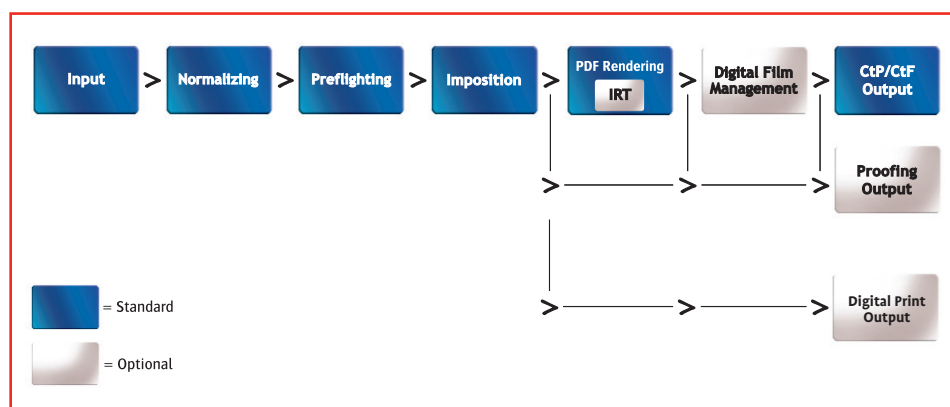
• = standard

0 = enhancer

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

:APOGEE PREPRESS

:Apogee Automate



Controlled Prepress Workflow Automation for Commercial Printers

:Apogee Automate is a fully integrated, prepress production system.

While automating prepress production, a graphical interface offers a complete and comprehensive overview of the actual processing and of the job status. It also includes an extensive array of tools to interact with jobs at any time and influence the automated processing. With :Apogee Automate, Agfa brings you the benefits of PDF, JDF, and Digital Film. It connects prepress production with business processes and other JDF aware applications for seamless, end-to-end workflow automation.

The Solution for integrated Printing plants

:Apogee Automate was designed to accommodate the production needs of medium and large commercial printing operations.

Using scripts, rules, or specific conditions, smart decisions are made on how jobs or job parts are to be processed. For maximum automation, communication through JDF is provided to connect :Apogee Automate with the :Apogee ProjectManager or to any JDF enabled MIS system.

Through JDF (Job Definition format) intake, prepress tasks are defined and jobs are automatically processed. To track job progress and calculate costs, JMF (Job Messaging format) can be added for real-time reporting of page revisions, number of proofs and plates made, incl. plate remakes, back into :Apogee Portal or the MIS system.



An Integrated Solution Completing all Prepress Tasks

:Apogee Automate provides integrated PDF creation, preflighting and imposition. It lets you manage and track jobs, control output queues, request plate remakes, generate page and imposition proofs, or soft proofs of screened and trapped digital films. And because of its intuitive graphical interface,

:Apogee Automate is easy to learn and use.

:Apogee Automate can also integrate with existing legacy workflows or extend your input and output capabilities with various options.

A Scalable Solution for Expanded Functionality and Productivity

:Apogee Automate adapts easily and economically to match any of your functionality and throughput needs. Through flexible licensing, you can easily add options 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:

Enables file input from any Mac, PC, or even Unix based applications.

Comprehensive Job Tickets - MultiFlow Production Plans:

Provides automated "hands-off" processing of jobs through a single job ticket that graphically describes all required processing steps, from PDF creation, preflighting, to imposition; from page proofing to content proofing, to final output on CtF or CtP imaging devices.

Hot Tickets: Contain Production Plans for fully automatic (hands-off) production of repeat jobs.

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, perform remakes, or archive to near- or offline backup solutions.

Integrated Imposition: Provides automated imposition of PDF pages, using PJTF, JDF and optionally Preps Templates.

MSDE database: Logs all job related processing information and keeps track of all resources such as production files, fonts, ICC profiles, and halftone screens. Logging information can optionally be shared with any ODBC compliant applications for cost calculation purposes.



JDFAdmin: Enables integration with JDF enabled applications for automatic job setup and the communication of customer name and order id.

PDF Preflighting: Is based on the Enfocus PitStop Server technology providing automated preflighting, editing, and Certification of PDFs. The optional Enfocus PitStop Professional plug-in can be used to modify or create new custom preflight profiles and action lists.

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

Adobe PDF Print Engine: Renders PDF files natively to digital films, using the latest available technology. The Adobe PDF Print Engine eliminates the need to flatten transparent artwork upfront providing consistency of output. Combined with Agfa Graphics' colour management and screening technology, the APPE enables a more efficient and reliable end-to-end PDF workflow.

In-Render Trapping (IRT) (enhancer): Provides automated hands-off trapping of pages or signatures. Influence trap-zones using the TrapSpotting plugin for Adobe Acrobat.

Screening: Agfa's Balanced Screening and :Sublima 200 are standard. :CristalRaster FM screening and :Sublima XM screening at line rulings above 200 lpi can optionally added.

Soft Proofing: The standard contone previewer enables viewing of Digital Film to check for correct separation, overprint, knock-out, and trapping. The optional Raster Preview allows you to look at the real dots the way they will image on film or plate.

Hardcopy Proofing (enhancer): Using the same Adobe based renderer that generates the digital film, quality proofs are generated from pages and signatures, providing 100% data integrity. Quality of the proofs can be enhanced even more if output is wanted to one of the many :Sherpa proofing devices, and its quality is managed using the optional QmsX.

:Apogee PlateMaker Link: Enables seamless integration with an :Apogee PlateMaker providing additional digital film management tools, redundant platemaking and connectivity to legacy workflows and engines.

Export PDF, PDF/X-1, PDF/X-1a, and PDF/X-3 (enhancer): Provides reliable colour managed 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 simultaneously to create and submit Job Tickets, manage jobs, track jobs, or manage the entire :Apogee Automate. Options are available to extend the number of clients.

:APOGEE PREPRESS

:Apogee Automate



Enhanced Quality and Connectivity

:Apogee Automate	Enhancers
Controlled Workflow Automation	
Conditional processing specification	•
Naming conventions	•
Basic Job setup using JDF	•
Digital Film Manager & Raster Processing	
Digital Film Management/Room	0
Web Growth - compensation for paper stretching on web presses	0
Imposition	
Imposition Template Manager -importing & managing	
Preps templates - PDF based imposition	0
Digital QuickStrip (DQS) - raster based imposition	0
Split for Proof	0
:Autostrip - Converting MIS input to an imposition layout	o(1)
PDF-based Plate Versioning	•
Quality Enhancer	
In-Render Trapping (IRT)	0
:ABS Options Kit	0
:CristalRaster	0
:Sublima at line rulings above 200 lpi, depending on platesetter and plate technology	0
:InkSave	0
Adobe PDF Print Engine	•
Proofing Enhancer	
Raster Preview	0
Hardcopy Proofing	0
Inclusive :QmsX - quality management for colour contract proofing	0
:Apogee WebApproval	0
Connectivity Link	
InkDrive - automatic CIP3 or CIP4 ink key setup generation	0
JDF/JMF (MIS) Link	0
Non Agfa Output Link	0
:Apogee PlateMaker Link	•
Postpress link	0
Digital Print link	0
Scalability	
Additional Output Capacity	0
Additional PDF Processing Capacity	0

• = standard

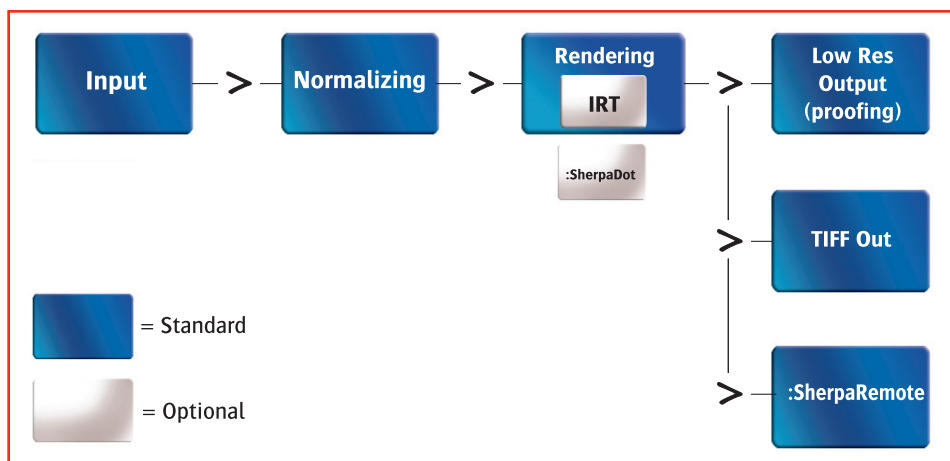
0 = enhancer

o(1) = requires JDF/JMF (MIS) Link

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

:APOGEE COLOR

:Apogee Proof



Integrated Quality Control for Absolute Proofing Accuracy

Agfa Graphics' proofing solutions work in tandem with Agfa Graphics' workflow solutions to guarantee digital file integrity throughout the workflow. Stand-alone or in a non-Agfa workflow, :Apogee Proof is the perfect solution. It provides reliable and predictable proofing, system wide. It is versatile and can be set-up as a simple RIP or as an advanced proofing workflow system. More than a RIP, it delivers prepress functionality for managing your proofing workflow. :Apogee Proof drives all :Sherpa and :SherpaProof systems as well as a range of 3rd party printers.

The client server technology puts you in control from anywhere in the network through an intuitive graphical user interface. With built-in colour management and output quality control, the :Apogee Proof delivers absolute proofing accuracy.



Expert Proofing for Ad Agencies, Service Bureaus, Prepress Companies and Printers

In a pre-press workflow the process only becomes more productive and cost-effective if less interventions are required. But at the same time in an automated environment you will need the right check points to be in control. :Apogee Proof was designed for operations that rely on multiple-vendor, off-the-shelf applications. It renders files for proofing in any PS, PDF non-Agfa workflow environment. The unique user interface helps you to manage and track proofing jobs. :Apogee Proof will facilitate on-site or remote hard copy proofing with your :Sherpa or :SherpaProof system.

Together with :ColorTune, :Apogee Proof will provide you the comparable tools to render color exact soft proofs and validate them according to the standards.

For both on-site or remote proofing jobs you have all the tools to control output queues and monitor the proofing quality compared to industry standards.

Adhering to Standards with Integrated Colour Management (:ColorTune) and Quality Management System (:QmsX)

Adhering to industry standards is critical in today's production environment. It allows production partners to exchange files and be sure that they all will achieve the same quality result. Standards also bring consistency within an organisation.

Proofing will be used to communicate this quality reference throughout the workflow, even if this includes remote locations. Therefore proofs have to be made according to standard requirements.

Printing conditions are simulated with strict procedures for measuring colours. Feeding this trend is the need for quality accreditation by independent graphic institutes like fogra and SWOP.

• Colour Management

:ColorTune (colour management software) is designed for enterprise-wide colour control. It let's you integrate colour management in your workflow. :ColorTune is designed so :SherpaProof can reproduce the colour behaviour of specific types of printing presses, e.g. newspaper or commercial offset on the hard copy proof.

Agfa Graphics, being one of the founding members of the International Color Consortium (ICC), adheres the colour management system in :Apogee to the ICC colour standard. To define printing standards such as SWOP (web offset) or ISO 12647-2 (sheet fed offset), :ColorTune stores the printing device characteristics in ICC colour profiles. Using these ICC profiles or device links :ColorTune remaps the colour gamut of the proofers in the workflow to simulate the colour reproduced on press.

Dedicated utilities like :ColorTune Display will provide the necessary tools for accurate softproofing.





• **Quality Management**

Quality Management Software (:QmsX) is designed for prepress quality control. :Apogee Proof integrates Agfa Graphics' :QmsX to assist in the maintenance of a stable proofing environment. Colour profiling cannot work unless all systems throughout the organisation are calibrated to a consistent standard. With :QmsX every proofer in the workflow is calibrated using the same tonal target curve. As a result every proofer behaves identically and the same ICC colour profile can be used on all machines. :QmsX interfaces with all :Sherpa and :SherpaProof systems from anywhere in the network through a remote "client" workstation and works with a spectrophotometer.

:QmsX checks the calibration and the engine quality performance. Hence you can verify that the printing engine is stable over a period of time, but also that a number of proofers (local or remote) perform equally good compared to the reference proofing or printing standard. Colour Management and Quality control guarantee the repeatability you need from proof to proof over the whole system.

To label your controlled environment the system can even print a detailed report, so you can identify and eliminate recurring errors and in order to achieve continuous quality improvement. Agfa Graphics' implementation of those technologies simplifies calibration to printing standards and makes it part of your regular operating procedure.

Raster Proofing with :SherpaDot

Proofing 'digital film' can be compared to the halftone proof from film. Agfa Graphics offers the :SherpaDot option to :Apogee and :Apogee Proof which uses a 'Dot for Dot' screening technology for :SherpaProof systems: a halftone proof on an ink jet system. It uses the original dots of the digital film to make a colour accurate proof of the final printed sheet. Now you can evaluate the visual effect of screening on your printed result and even predict subject moiré.

The Digital Film Proof option which kind of goes together with :SherpaDot also features progressive separations to simulate the interaction (trapping, overprinting) between individual plates.

Communicating colour control with :SherpaRemote

All :Apogee systems including :Apogee Proof support integrated hard copy proofing on local and remote locations. Remote locations can be print buyers that you want to tie-in in the proof validation process, or maybe a remote printer site that will produce printed matter from your digital data. :SherpaRemote connects those 'remote' sites in the workflow in a straightforward way. :Apogee Proof generates the proofing data, colour and quality controlled - the hard copy is printed on the printer that has a remote connection. A simple to use queue based printer driver manages the remote output of the pages. To verify the quality of the remote print, measuring a proof check strip with a spectrophotometer will do the job. :ColorTune Measure will help you to manage these measurements and feed them back into the :Apogee for corrective calibrations. Optionally a 'proof quality label' can be printed so your (remote) proof is validated.

:SherpaRemote is more than an :Apogee feature, it is a cost and time savings tool. It makes the proofing cycle shorter and hence enhances the all-over productivity of your prepress and proofing workflow. And with :Apogee WebApproval, you can even extend this collaboration between your site and other parties involved. Where :SherpaRemote focuses on hard copy proofing, :Apogee WebApproval is targeted to soft proofing and file approval.

:SherpaProof Inkjet Media

For inkjet printing systems to meet the very strict requirements for contract proofing, properly coated media is crucially important. The interaction between ink and substrates determine the basic characteristics of the proofs so they can indeed match printed matter. Agfa Graphics' expertise on media guarantees the quality of a wide selection of exacting proofing bases to answer the needs of a variety of printing applications.

:Apogee Proof Matches Your Needs

:Apogee Proof comes with a five-client license - giving you full control to everyone in your entire network. :Apogee has no size limitation.



Features and Benefits

- :QmsX quality management system lets you match tonal behaviour among two or more :Sherpa systems. It verifies the accuracy of a proof over time and at remote locations.
- :ColorTune provides end-to-end colour management using industry standard ICC profiles to characterise all devices in the workflow for colour predictability from any workstation or proofer at any location.
- :SherpaDot makes colour exact halftone proofs to evaluate the visual effect of screening on the printed result.
- Hot folder, AppleTalk, Named Pipe, TCP/IP, LPR input channels: allow input from any Mac or PC applications
- Hot Tickets for consistent output and control
- Flattener automatically resolves transparent objects included in PDF1.4/PDF1.5/PDF1.6
- Adobe-based Renderer interprets PS or EPS, or renders PDF, with In-Render Trapping (optional) and colour management.
- SoftProofing enabled by contone previewer to check for correct separation, overprint, knock-out, and trapping
- MultiFlow Production Plans describe all required processing steps from input to final output on the proofer, local or remote
- One central resource database manages fonts, profiles, calibration data etc. for all connected proofers in the workflow to guarantee digital integrity. This ODCB compliant database will also log all job related processing information
- Direct drivers for the :Sherpa family and for a series of non-Agfa proofers (Epson and HP). It can also export a low res contone TIFF file to communicate proof files with other systems.
- :SherpaRemote included to enable integrated proofing on remote sites fully controlled by :Apogee Proof or :Apogee workflow systems (with the Hardcopy Proof option installed).
- Job Tracking and Queue Management for complete control of proofing output
- Five-client License: Enables five operators to log-on to the :Apogee Proof application simultaneously to perform quality control, manage and track job
- Supported engines

Direct drivers are supported for the following printers*:

- :SherpaProof certified : Epson Stylus Pro 7600, 9600, 4800, 7800, 9800, 4880, 7880, 9880, 11880 and HP DesignJet Z 3100.
- :Sherpa 24m, :Sherpa44m, :Sherpa 43i, :SherpaMatic, :Grand Sherpa 50, :Grand Sherpa 64, :Grand SherpaMatic
- Epson Stylus Pro 10000
- HP 750, 1050, 2500, 3500, 5500/42, 5500/60

*QmsX only supported on Agfa Graphics' :Sherpa and :SherpaProof certified engines

- Accreditation of :SherpaProof systems by independent graphic institutes like fogra and SWOP.

:APOGEE COLOR

:Apogee Proof

Enhanced Quality and Connectivity

:APOGEE Proof

Enhancers

Upgrades

Upgrade to :Apogee PDF & Proof	0
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Quality Enhancer

In-Render Trapping (IRT)	0
Inclusive :QmsX - quality management for colour contract proofing	•

Proofing Enhancer

Hardcopy Proofing	•
SoftProofing by contone previewer	0
:ColorTune colour management	0
Additional Proofer TP connection	0

:SherpaRemote

Remote Proofing Controller (RPC)	•
Remote Proofing Receiver (comes with RPC)	•
ColorTune Measure	•/0

:SherpaDot

:SherpaDot (Dot for Dot including Digital Film Proof)	0
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Connectivity Link

OpenConnect - import screened DCS and 1 & 8-bit TIFF	0
OpenConvert - import and convert (n)CT/(n)LW and TIFF-IT files	0
Non Agfa Output Link (incl. TIFF-OUT)	0

Scalability

Adobe PDF Print Engine	•
Additional Output Capacity	0
Additional PDF Processing Capacity	0

0 = enhancer

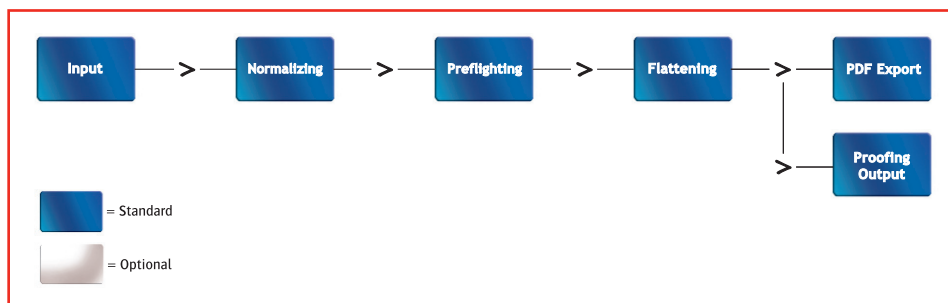
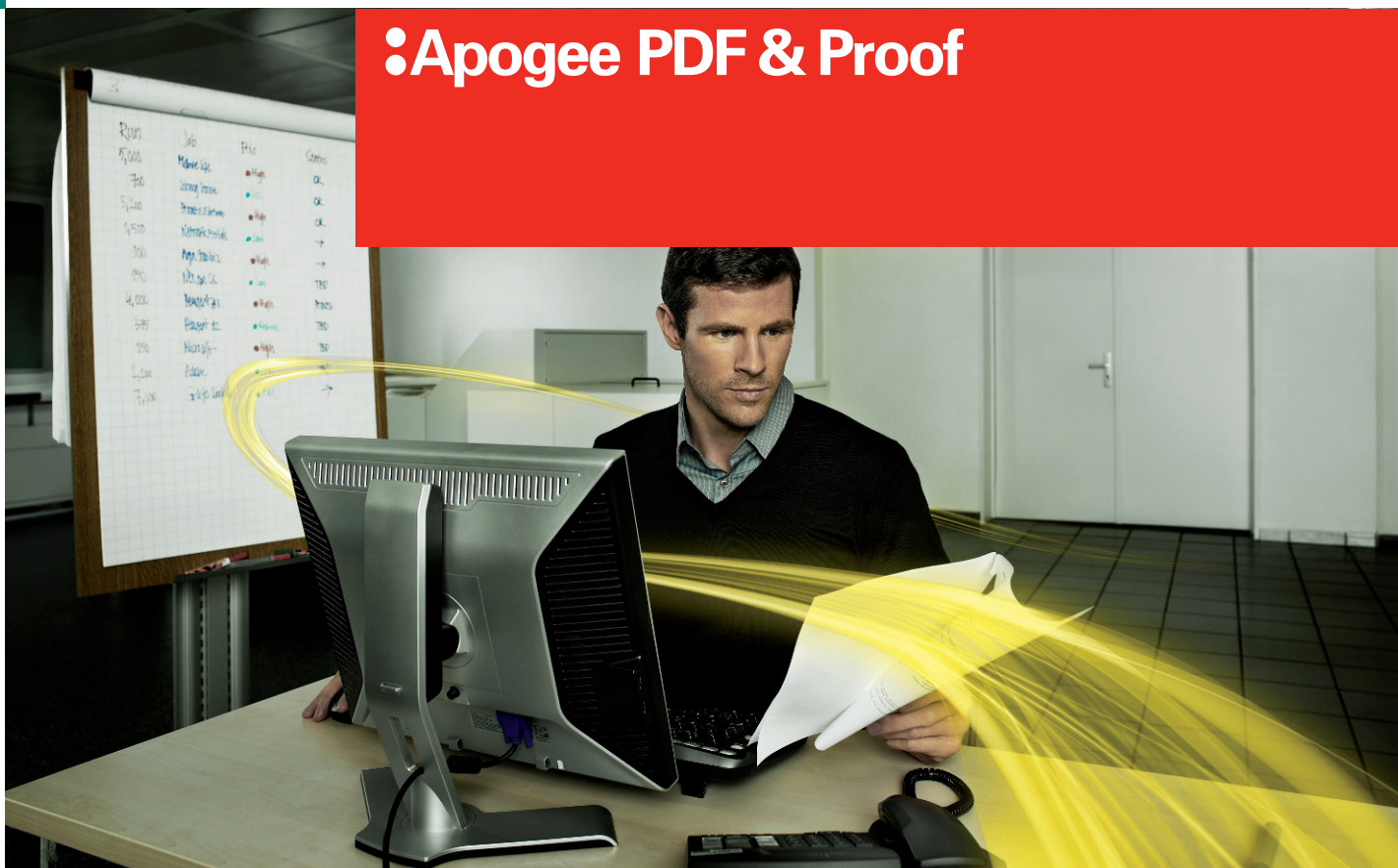
• = standard

•/0 = standard with optional report generation

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

•APOGEE COLOR

•Apogee PDF & Proof



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 helps you manage the PDF creation, preflighting, trapping, proofing, and the export of workflow-optimised 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 or PDF/X-3 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-optimised 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, flattening, and proofing to final export of (Certified) PDFs, and PDF/X files to remote sites.

PDF Preflighting: Is based on the Enfocus PitStop Server technology providing automated preflighting, editing, and Certification of PDFs. The optional Enfocus PitStop Professional plug-in can be used to modify or create new custom preflight profiles and action lists.

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

Hot Tickets: Contain Production Plans for fully automatic (handsoff) 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.

Flattener: Automatically resolve transparent objects included in PDF1.4/PDF1.5/PDF1.6.

Soft Proofing: View PDFs in Adobe Acrobat automatically launched from the :Apogee Client application. A dedicated plugin 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 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

Enhanced Quality and Connectivity

:APOGEE PDF & Proof	Enhancers
PDF & Proof Enhancer	
In Render Trapping (IRT)	0
Open Convert - import screened DCS and 1 bit Tiff	0
Open Convert - import and convert (n)CT/(n)LW and Tiff-IT files	0
Connectivity Link	
JDF/JMF (MIS) Link	o(1)
Web-based approval through :Apogee WebApproval	0
Scalability	
Additional Output Capacity	0
Additional PDF processing Capacity	0

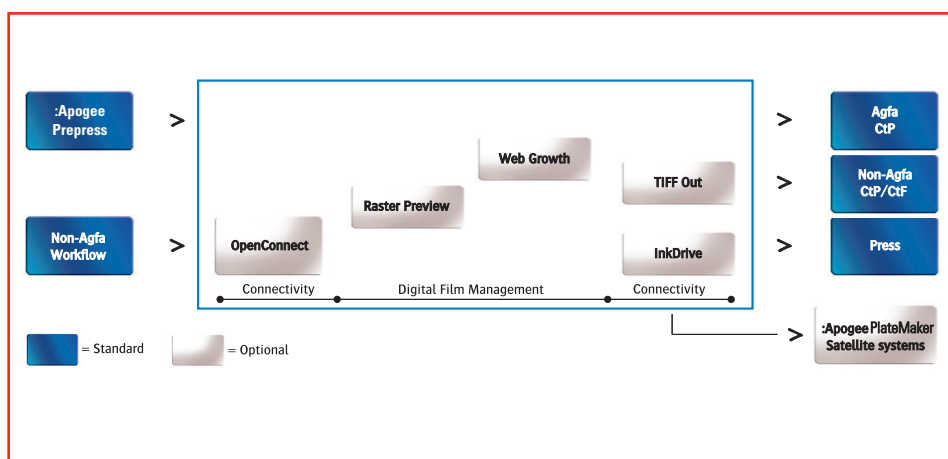
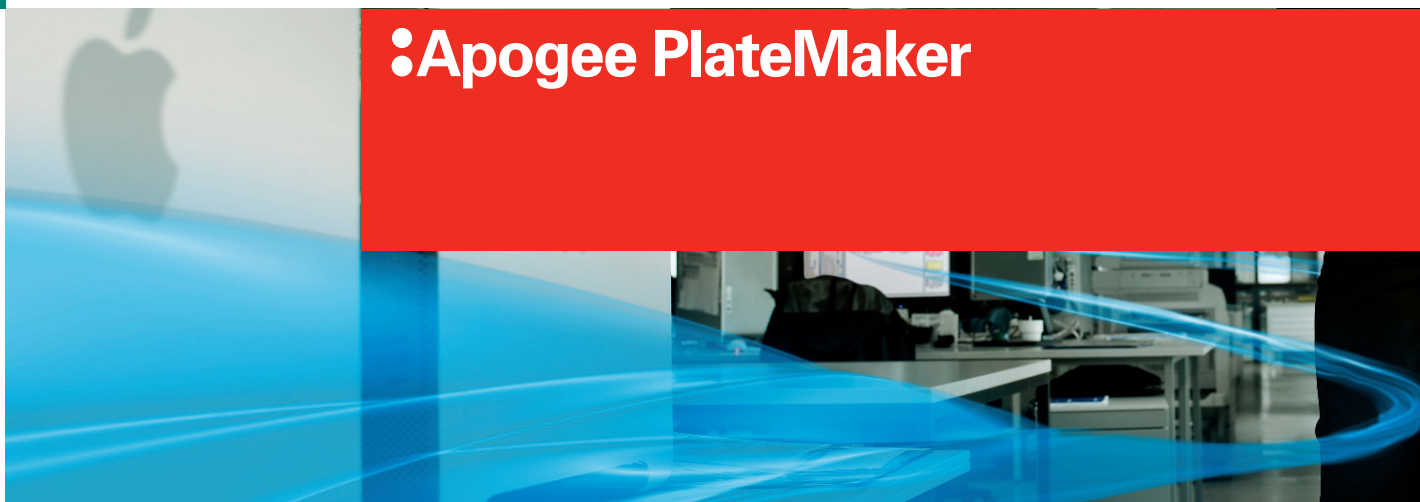
o = enhancer

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

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

:APOGEE PREPRESS

:Apogee PlateMaker



Powerful Digital Light Table to Control and Automate Output

:Apogee PlateMaker is a dedicated solution for plate output that guarantees efficient and continuous plate production. It acts as a buffer between the prepress department and the printing presses providing the pressroom with the necessary plates and ink key files. It is fully integrated in the prepress production workflow and all necessary production information is communicated with :Apogee Automate and even :Apogee Render based on JMF. As a digital film buffer, :Apogee PlateMaker can receive input through multiple input channels, but will load balance the jobs towards several CtP devices.

The easy-to-use graphical interface allows you to view the status of all jobs, as well as manipulate and manage the output timing and priorities. Press operators can also use :Apogee PlateMaker in case of a plate remake: a fully imposed plate preview and a quick search function allow fast plate identification and reduce press stand still significantly.



Advanced Connectivity and Workflow Optimisation

Because :Apogee PlateMaker is built on an open architecture, it works with any workflow to optimise your printing operation. It accepts input from both Agfa and non-Agfa workflows and it outputs to a wide array of devices. Through its OpenConnect Link :Apogee PlateMaker integrates Agfa output engines in non-Agfa workflows.

Whether you're using :Apogee Prepress solution, :Apogee Series3, a third party workflow, or no workflow software at all,

:Apogee PlateMaker makes you and your system more productive.

:Apogee PlateMaker's automatic load balancing feature will also keep your operation running smoothly and efficiently. It automatically analyses the workload and distributes work to the appropriate output devices so that you maximise your output productivity at all times.

Better Engine and Print File management

:Apogee PlateMaker monitors the CtP engines and permits redirection to different engines or media. If an engine is down, an alternate engine can be substituted without re-ripping jobs. Priorities can be set on a job-by-job basis or even changed if desired. Entire groups of jobs can be prepared in advance for 2nd and 3rd shift output.

Integration with Printing Presses

Because the workflow does not end with plate output,

:Apogee PlateMaker automates production even further downstream by integrating with the press via CIP3/CIP4 capabilities.

The :Apogee PlateMaker InkDrive Link enables you to set ink keys for a wide range of leading presses automatically. Press profiles let you match the specifications of popular presses and press control software resulting in reduced ink usage and paper waste, and shortening the time to be up to colour.





Compensating for Web Growth

Press miss-registration can have several causes. One of them is the physical distortion of paper when it's printed. The combination of paper stock, ink and water absorption, condition of blankets, type of press used, and the tension and pressure that are applied to the paper while being printed have a great influence on the printed end result. Many presses are fitted with necessary features to compensate for web growth, but often the applied corrections are not enough, or it just can't be done. :Apogee PlateMaker can overcome this problem by compensating for any miss-registration upfront and at the level of the digital film. Through Agfa Graphics patented digital dot etching and the use of its unique Web Growth compensation feature you can define reductions of different amounts in different areas by using web growth compensation profiles. These profiles contain the characteristics of the web growth for different presses and/or printing media. :Apogee PlateMaker will not apply these compensations to the original digital film, but instead automatically apply them on the fly when outputting to a platesetter or filmsetter. :Apogee PlateMaker Web Growth compensation can be used in any workflow, can be applied to any (imported) file, and then output to any output device without compromising preview job approval features.

Plate Pairing and Dual Plate Loading For Enhanced Productivity and Output Efficiency

The :Apogee PlateMaker Dual Plate Loading feature works in tandem with a specified set of Agfa Graphics' :Avalon-N engine and enables the loading and imaging of two individual plates side by side and in a single motion. For maximum throughput and output efficiency, support is provided for manual and auto loader configurations.

Other Features and Benefits

Automatic load balancing for platesetter output - using :Apogee PlateMaker Satellites multiple identical output devices can be configured for automated load balancing and last minute redirection. Maximizing engine productivity at all times.

Engine and print file management - :Apogee PlateMaker tracks available media and permits redirection of jobs to different engines or media. Entire groups of jobs can be prepared in advance for second and third shift output. Job tracking ID features ensure that a file is identified quickly for re-imaging, if necessary.

Immediate support for plate re-makes - If a plate is lost, breaks or wears out, the convenient :Apogee PlateMaker user interface makes it easy to locate the appropriate digital film and remake the plate in the shortest time possible.

Reporting of plate consumption - When :Apogee PlateMaker integrates with a JDF/JMF enabled :Apogee Prepress system such as :Apogee Manage or :Apogee Automate, it can report the number of plates imaged. This important info can be communicated to JDF enabled MIS systems for reporting and cost calculation purposes.



:APOGEE PREPRESS

:Apogee PlateMaker

Enhanced Quality and Connectivity

:Apogee PlateMaker

Enhancers

Digital Film Management

Job tracking & Management	•
Digital Film Management including fast plate remake	•
Raster Preview	0
Web Growth - compensation for paper stretching on web presses	0
Dual Plate - two plates side by side (Only for Agfa CtP that include this function)	•

Connectivity

Connectivity with Agfa CtP devices	•
OpenConnect - screened DCS or 1-bit TIFF input	0
InkDrive - automatic CIP3/CIP4 PPF ink key generation	0
Connectivity with non-Agfa CtF/CtP devices	0

Quality and Productivity

Additional Output Capacity	0
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- = Standard
0 = Enhancer

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

:APOGEE PREPRESS

:Apogee DigitalPrint Link

:Apogee DigitalPrint Link establishes the integration of 3rd party digital presses with :Apogee Prepress workflow solutions.

:Apogee DigitalPrint Link creates a unified hybrid prepress workflow solution which manages prepress workflow for traditional offset litho print production and as well automates on-demand print jobs on digital presses. Efficiency and consistency is achieved by streamlining the production through one workflow concept with the same intuitive user interface. The quality of content and color defined and controlled by the prepress department that can share the use of processing components and resources (like Normalizer, Renderer, ICC-profiles, fonts, ...) for all output devices. The integration of the digital presses is based on the JDF/JMF (Job Definition Format/Job Messaging Format) standard. This allows automated integration in production process through exchange of standardized job tickets. The contone TIFF files sent to the digital press are rendered and imposed by prepress and accompanied by information like customer data, single/double sided, paper type/size, screening and finishing info.



KEY BENEFITS:

Driving CtP and digital print devices from one single workflow

- Use the same workflow concept
 - Easy of use: intuitive interface
 - Prepress department to prepare and control
 - Press operators print and monitor output quality
 - Ease of job setup: Imposition control

- Providing a consolidated point of workflow control

Achieving efficiency by streamlining the production

- Save time and cost
- Re-use of resources to serve a wide range of needs
- Advanced job management capabilities

- End-to-end color management

- Automation of output with control

Controlled : Use of Actions

Reporting: Job and device tracking

-Link to :APOGEE PORTAL and MIS systems

- Late decision possibilities

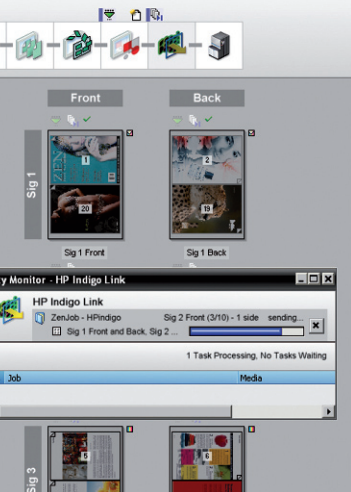
-Switch between litho offset and digital print

-Based on Cost & Quality

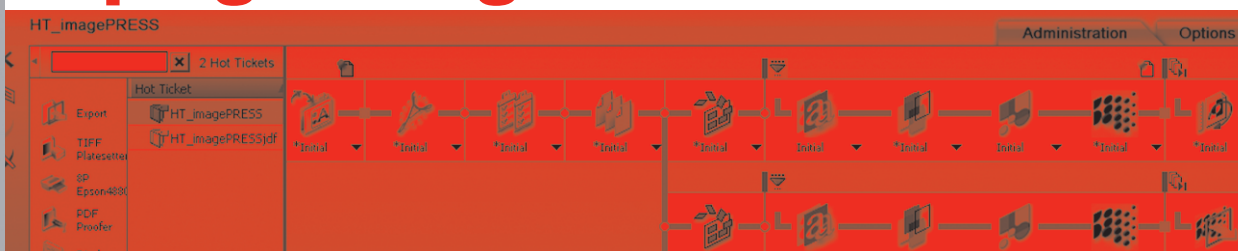
- Re-use training investments

Use of the same resources and proven processing components:

- ICC-profiles, fonts, ...
- Adobe Normalizer and Adobe PDF Print Engine



:Apogee DigitalPrint Link



FEATURES:

Unified hybrid prepress workflow solution

- Manage prepress workflows for offset litho print production and automate on-demand print jobs on digital presses using one workflow system
- Quality of content and color defined and controlled by prepress workflow
- Common use of processing components and resources
 - Normalizer, Renderer, ICC-profiles, fonts, ...
- Identical workflow
 - Common processing adds consistency to prepress
 - Link to :APOGEE PORTAL and MIS systems

Integration of the digital presses based on JDF (Job Definition Format)

- JDF to communicate production parameters
- Automated integration in production process through exchanging job tickets
 - JMF (Job Messaging Format) communication
 - Automation of prepress tasks and output
 - Job tracking and updating
 - Production follow-up
 - Real-time reporting to MIS for accounting & cost calculation

- Files sent to the digital press are rendered by prepress and ready for digital output

Supporting a range of digital presses

- JDF-link with HP Indigo 3500 (requires HP Production Flow server) and HP Indigo 5000 and 5500 digital presses
- JDF-link with Canon imagePRESS range of digital presses expected end of 2008
- Integration with CreoPODS in preparation
- Other digital presses
 - :APOGEE PREPRESS provides input based on PDF files
 - No direct JDF communication link available

SPECIFICATIONS:

- :Apogee DigitalPrint Link is an option to :APOGEE PREPRESS
- Targeted to commercial printers with a hybrid workflow looking for an integrated prepress workflow system to drive digital as well as conventional presses
- Tools for variable data printing not to be provided by Agfa as the majority of the hybrid printers do not have the knowledge or knowhow to print variable data.
- Requires minimum :APOGEE PREPRESS 5.0
- Integration with a range of digital presses
 - JDF-link with HP Indigo 3500 (requires HP Production Manager server) and HP Indigo 5000 and 5500 digital presses
 - JDF-link with Canon imagePRESS range of digital presses expected end of 2008
 - Integration with CreoPODS in preparation
 - Other digital presses
 - :APOGEE PREPRESS provides input based on PDF files
 - No direct JDF communication link available

