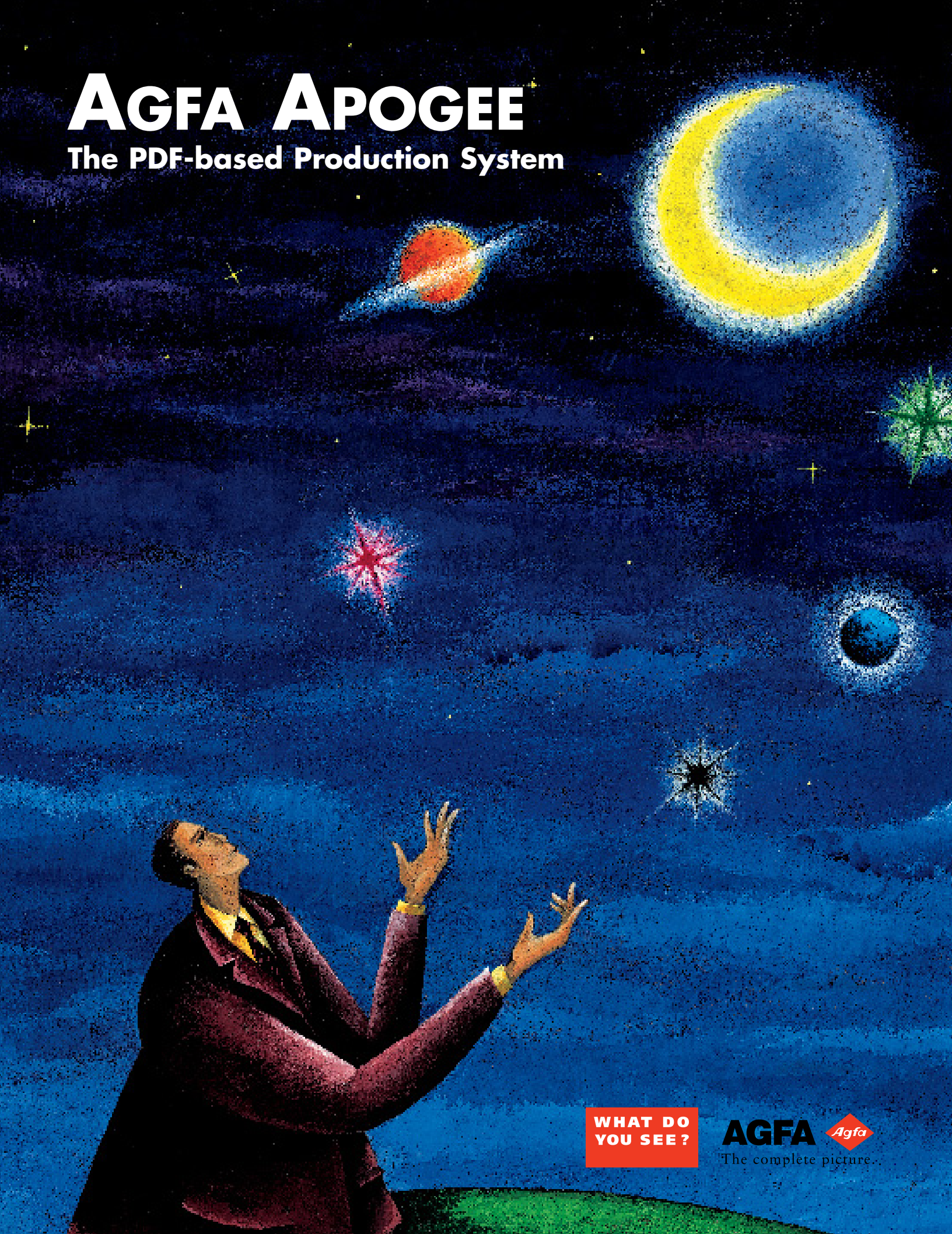
AGFA APOGEE

The PDF-based Production System



WHAT DO YOU SEE?

AGFA

The complete picture.

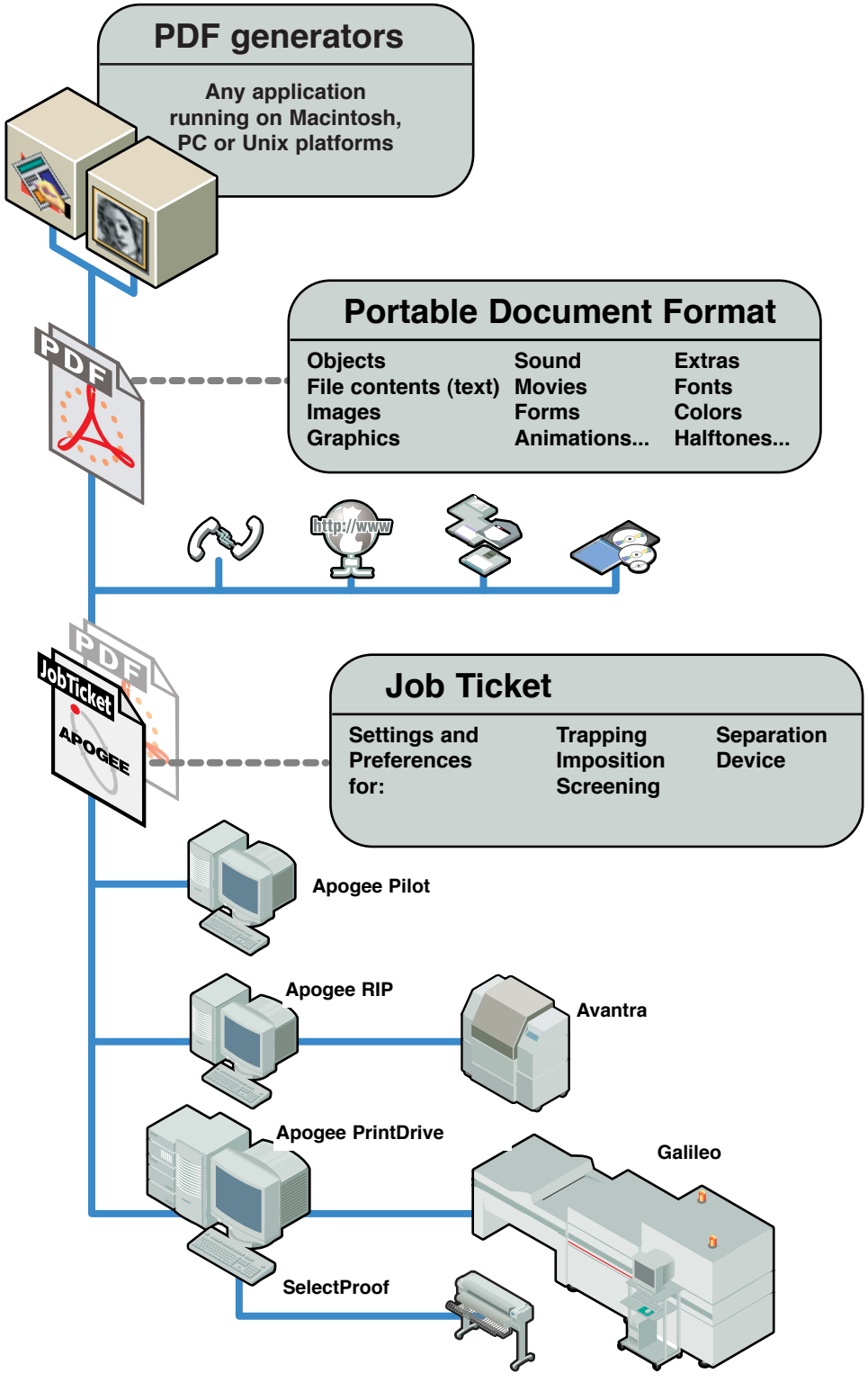
APOGEE

Presenting a Truly, Reliable Digital Master.

Perfectly tailored for the digital prepress environment, Agfa introduces Apogee, a set of workflow tools that utilizes the PDF data format as a truly, reliable digital master. With the Apogee technology, important printing information is carried along with the PDF file. The complete file can be viewed and manipulated on any platform during any stage of the process.

Designers, service bureaus, and printers can easily prepare and process production jobs for various output types, while still maintaining flexibility for last minutes changes and rerouting, all supported in PDF.

On top of this, its compact, streamlined format travels with ease throughout the production flow diminishing stress on the server and hardware configurations.



APOGEE PILOT

Essentials.

CopyDot File (Eskofot Scanned File)

The Apogee Pilot is the core operational center in the production process. At the beginning of the process, all files are converted and normalized. Job details are specified with the Job Ticket Editor. Job Tickets automate the workflow, specifying the process throughout the production flow. These processes cover imposition, separation, and trapping instructions. Using PDF Editing, changes can be implemented on page or flat level until the last minute prior to output. Apogee Pilot uses a three step approach to organize the workflow:

1. Normalizing the files into PDF
2. Creating the Job Ticket
3. Processing the PDF file as instructed in the Job Ticket.

After imposition and OPI, the Apogee RIP handles rasterizing and trapping onto the target output device.
For imagesetter and platesetter workflows, Apogee PrintDrive allows for raster file management.

APOGEE PDF RIP

PostScript 3 RIP architecture
This architecture supports a native PDF format and optimizes processing speeds. Image models support a 16-bit screen and smooth shading with Idiom recognition. It has an extended font set and also new drivers.

Performance
Multithreaded, the Apogee RIP takes full advantage of modern multiprocessor architecture. Performance can be further increased by adding more RAM using multiple fast disks.

Remote User Interface
The newest client/server technology allows the user to control the RIP over the network on MAC or PC systems. Users can check logs, preview screened files and approve them for production.

Unique Buffer and Preview
Files can be RIPped to disk for preview and approval. The user can preview single and multiple pages or multiple views of a single page at different resolutions. The user can opt to use tools to zoom into the smallest detail of any color combination displayed.

Full Compatibility
Support of Accuset, SelectSet, Avantra imagesetters and Galileo platesetters including PS Companion RIP tools to maintain engine calibration and other specific functions. Screening comprises CristalRaster, Agfa Balanced Screening, Flexo and Gravure screen options.

Flexibility
The Apogee RIP comes as a hardware bundle for best price performance or as a software version to run on an open Macintosh or PC platform configured to meet specific needs.

APOGEE PILOT

Job Ticket Editor for PDF Viewing, Editing and Processing.

Normalizing the files

Since the PDF format is the digital master in the Apogee Pilot, it is logical that all files must be normalized. Apogee supports PDF, created directly with Adobe Acrobat Distiller or PDFWriter, and PostScript files. Other compatible formats such as TIFF/IT-P1, CT/(N)LW and Crossfield formats can be converted into PDF using Apogee CEPSlink.

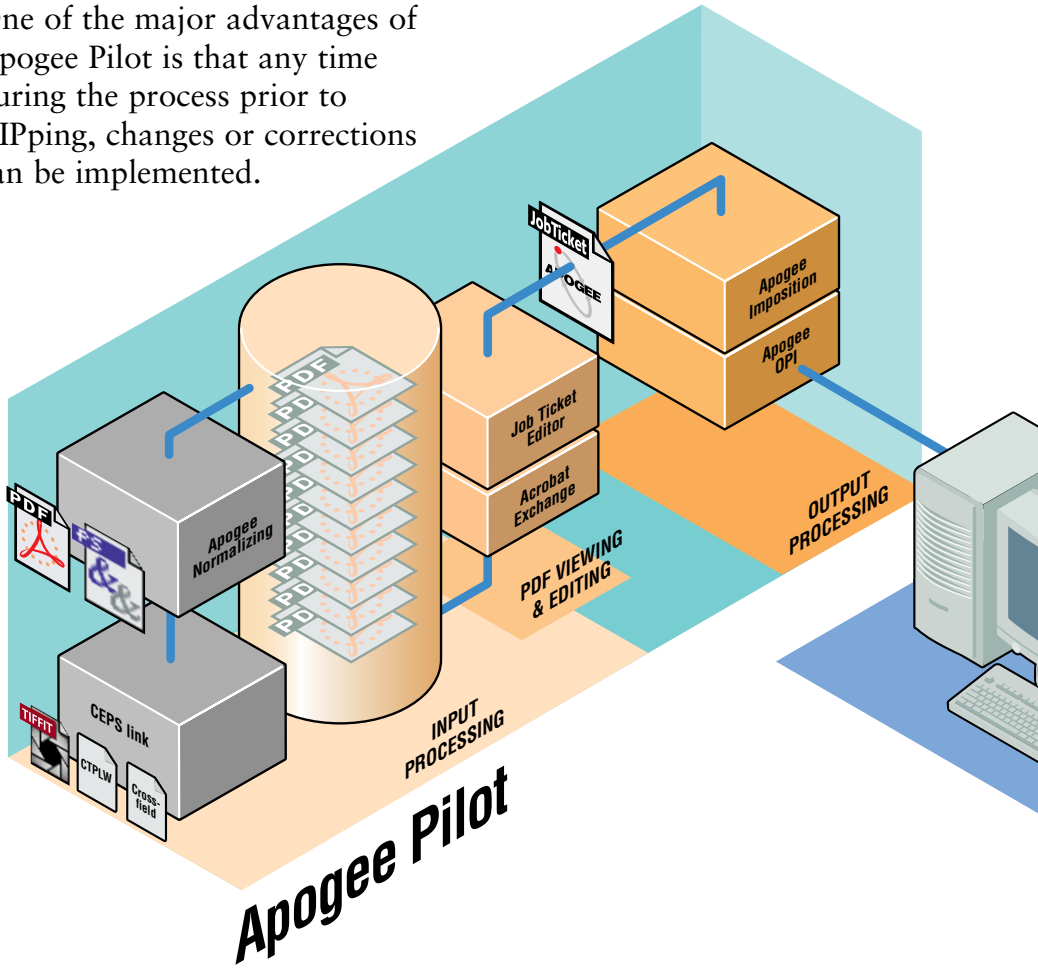
PDF Editing

One of the major advantages of Apogee Pilot is that any time during the process prior to RIPping, changes or corrections can be implemented.

Commercially available PDF editing applications or Adobe Acrobat Exchange plug-ins and extensions can conveniently edit content including text and layout changes directly in the document.

Establishing the Job Ticket

In the Apogee Pilot, Job Tickets provide detailed production instructions. This is simply accomplished using a comprehensive, straightforward approach.



The Job Ticket is independent of the PDF file and can be created, edited and saved independently. It can be reused with other PDF files, just as the files could be processed on a different Job Ticket. For example, if changes need to be implemented late in the production process or a setting changed for a different output device, a simple click of a button edits the Job Ticket.

Apogee Imposition

Imposition can be handled automatically by simply selecting one of the many predesigned imposition templates accessible from the Job Ticket Editor. As required, interactive imposition adjustment is possible prior to output.

Apogee OPI

The optional Apogee OPI component includes technology to specifically provide additional features such as high resolution image checking. Supporting the open platform concept, Apogee also works with non-Apogee OPI products. In this case, the files from the Apogee Pilot are rerouted to an outside OPI server queue and the low-resolution image is replaced prior to routing to the Apogee RIP.

Output Options

Early in the development process, Agfa realized that introducing a completely new PDF workflow would create legacy and closed system compatibility challenges for customers. Making the transition as easy as possible, the first version offers an adaptable PostScript solution for incorporating Apogee throughout the hardware chain and handling PostScript needs for legacy hardware.

APOGEE PRINTDRIVE

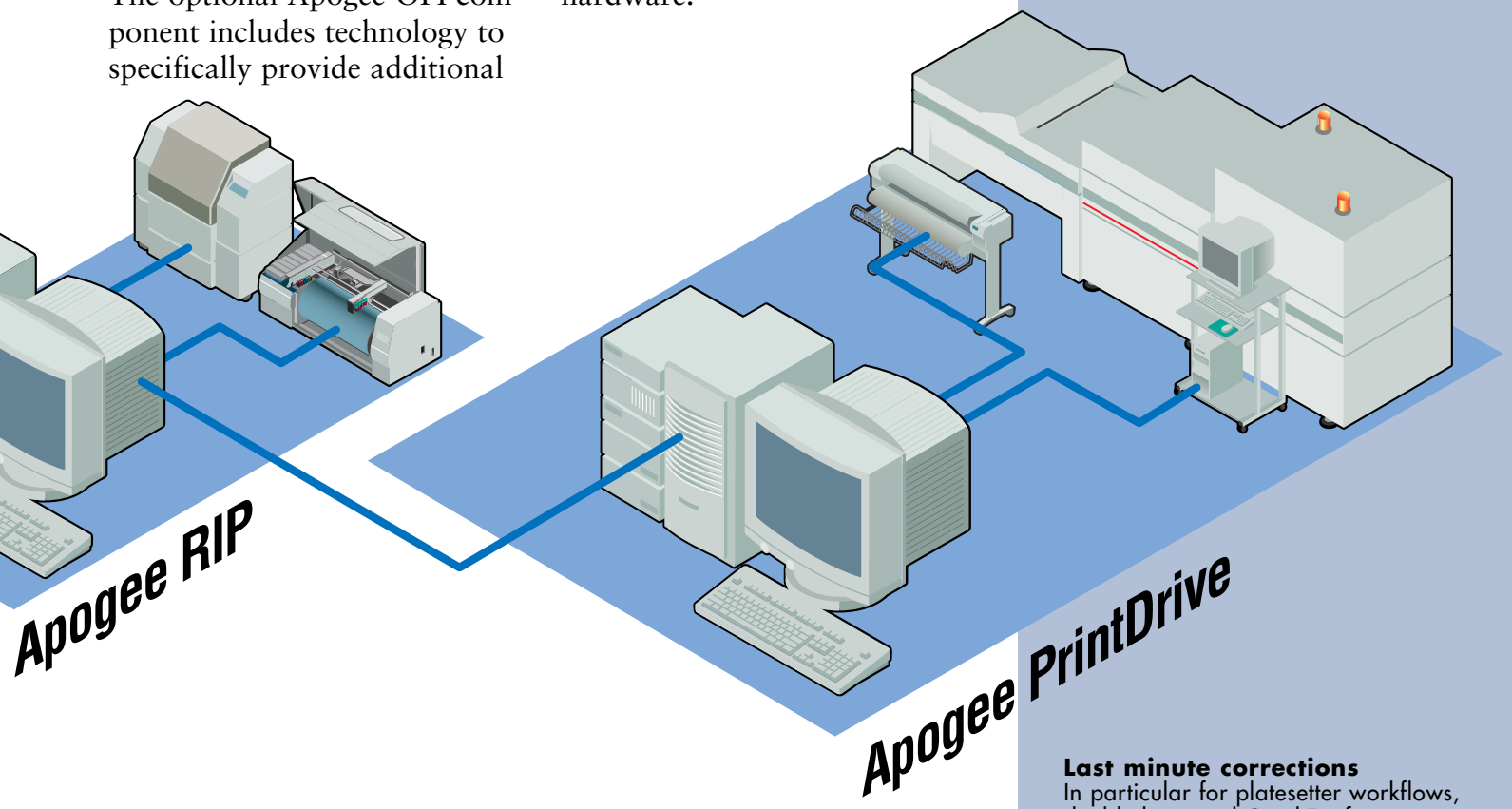
Performance and Productivity
Over the network, any number of RIPS can directly output jobs to Apogee PrintDrive, fully loading the imagesetter or platesetter. Using on-the-fly compression technology reduces network traffic.

Remote User Interface
Users can check logs, preview screened files and approve them for production over the network.

Unique Buffer and Preview
The user can preview single and multiple pages or multiple views of a single page at different resolutions. The user can opt to use tools to zoom into the smallest detail of any color combination displayed.

File Management
Raster file management is based on hardware compressed data. Users can view RIPped jobs and control output according to time and priority.

Page and Imposition Proofing
Buffered page or compressed files can be proofed with SelectProof and full ICC color management for excellent color fidelity. The buffered files can be imaged any time after approval.



Last minute corrections
In particular for platesetter workflows, double burn and QuickFix features allow for fast last minute corrections.

AGFA GALILEO

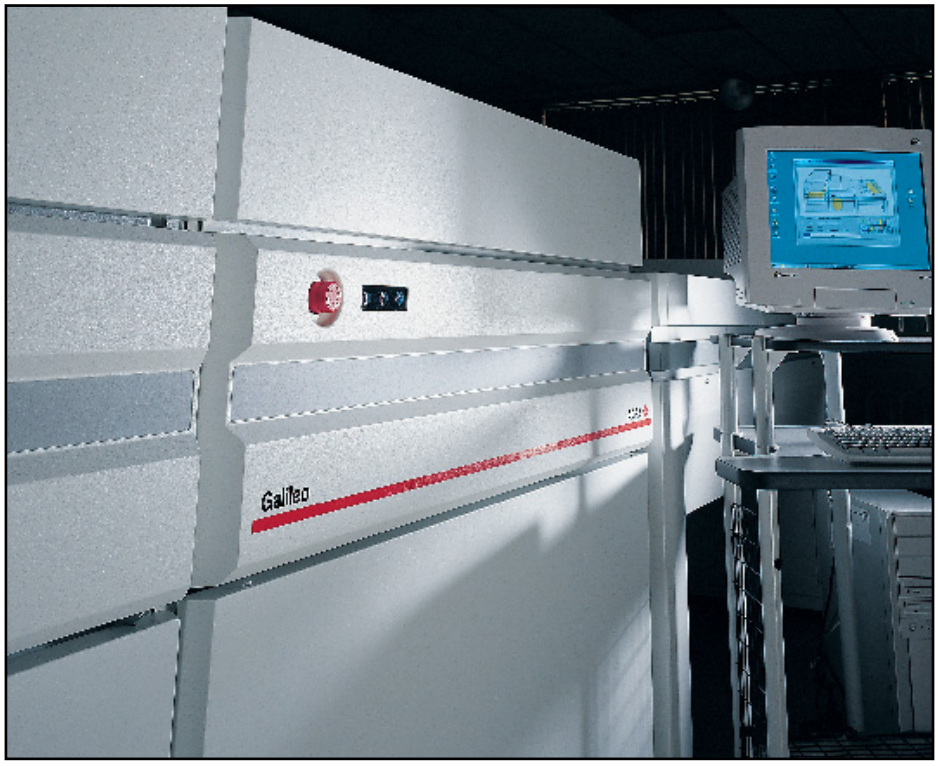
A New World of Platesetting.

Discover a New World of Platesetting

Agfa Galileo™ helps you achieve the full potential of digital platesetting by raising quality, automating workflows, responding more quickly to customers, and increasing profitability.

When designing Galileo, Agfa met with printers around the world to find out more about what they needed in a plate manufacturing system. Agfa engineers apprenticed at printing plants to learn firsthand about real-world production requirements. And we examined existing platesetting systems to identify opportunities for improvement.

The result is Galileo—a fully integrated platesetter with a wide range of patented innovations that make it the most advanced solution on the market today. For maximum quality and productivity in an extremely flexible platesetting solution, Galileo is the answer.



The only supplier of a complete, integrated platesetting solution

Agfa's expertise in electronics, optics, workflow, and digital plate technologies results in a plate manufacturing system that is ideally suited for printers. Agfa is the only supplier to bring all the pieces together. Galileo features an innovative, productivity-enhancing PlateManager,™ a reliable imaging engine, a convenient on-line processor, and a full range of high-quality silver halide and photopolymer plates. The entire system is optimized for the highest quality, reliability, and performance today—and provides for easy upgrades in the future. Galileo's integrated design fits in well with any prepress operation. The system can be implemented with Agfa's PostScript Level 2 RIPs and servers, and with the introduction of Agfa's PostScript 3 RIPs, will fit seamlessly into emerging PDF workflows. And since Galileo is completely modular, you can buy the components that suit your needs and budget today—and expand in the future.

Platesetting occurs at a crucial juncture in the prepress process, so the highest quality must be achieved with remarkable reliability and consistency. Galileo's innovative internal drum design establishes a stable, precision-engineered foundation for reli-

AGFA GALILEO

A Platesetter Designed for Reliable Quality, Maximum Flexibility, and Higher Productivity.

able platesetting.
This unique vacuum-chambered drum holds all size plates securely throughout the imaging process. A patented 3-point registration system allows you to adjust Galileo's registration pins to match your current notching and bending system. The plate transport system utilizes electro mechanical stops to maintain the gripper edge, while an electronic sensor detects the outside edge of the plate, for superior image registration through the production process to the printed sheet.

Galileo is the right choice for a wide range of applications

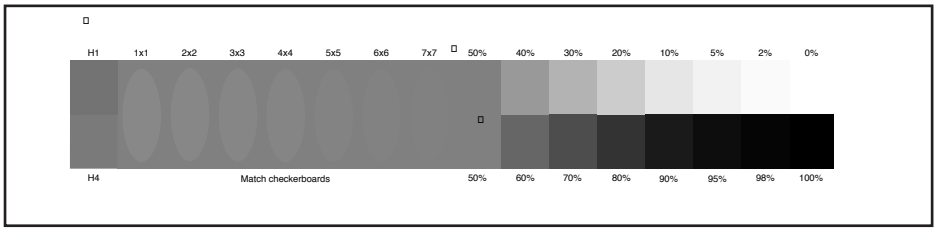
Galileo's generous format—44.5 x 32.29" (1130 x 820 mm) —is ideal for fully imposed 8-up plate production. Resolutions from 1200 to 3600 dots per inch support applications from black and white technical documentation, textbooks, and datasheets to high-end color catalogs, brochures, and art books with CristalRaster screening.

A high-productivity platesetting solution

Galileo is designed for high productivity from the start. Agfa's unique daylight plate packaging lets you load plates in daylight for quick preparation. The patented PlateManager can hold up to 400 plates online with cassettes holding four different sizes or thicknesses. The system features a multi-stage production pipeline, a concept designed to keep plates moving through the system as efficiently as possible.

An optical system precision-engineered for flexibility and quality

At the heart of Galileo's optical system is a doubled Nd:YAG laser chosen for its precision and stability. Galileo's unique modular imaging carriage provides an opportunity to upgrade with advances in imaging and plate technology, such as thermal and red sensitive media. A laser shroud maintains dot integrity and eliminates fogging, so spot size is optimized for the highest quality. The sophisticated optical transport system is based on second-generation enhancements to IntelliTrack,™ Agfa's proven slide mechanism. This self-propelled direct drive carriage brings you precision exposure all along the transport path—resulting in repeatable, consistent, output quality.



The Agfa Wedge is a special test tool that lets you monitor the accuracy of every plate—ensuring consistency and repeatability.