



**Kodak** Prinergy  
Workflow

let your prepress take flight

# Let Your Prepress Take Flight

**Kodak Prinergy** Workflow is the world's leading production workflow system. The trusted production hub for commercial, packaging and publishing printers, its open infrastructure integrates conventional and digital print production, automates and optimizes file processing and production management, drives proofers, computer-to-plate devices and presses, and connects Kodak and third-party systems.

Since its introduction in 1999, **Prinergy** Workflow has continued to grow in power and flexibility, with ever-increasing levels of automation that drive costs out of every core function.

**Prinergy** Workflow 7 raises the bar yet again, with Preflight+ now embedded and integrated. Preflight+ is the industry's most robust preflight technology, compliant with all significant industry standards. Now your files can be preflight-checked and corrected automatically, before entering the production workflow. And Layered PDF Versioning is significantly improved, making versioned printing more flexible, reliable and repeatable than ever.

**Prinergy** Workflow 7 means fewer manual checks, more time-saving efficiency, and more reasons to trust **Prinergy** Workflow as your production hub.

## **Automation begins at the customer's order**

**Prinergy** Workflow extends automation upstream to the moment the customer's order arrives, whether the print job arrives from your **Kodak InSite** Prepress Portal, MIS, online storefront, or manual entry from a sales rep. Options such as the job info sheet, XML or JDF can automatically define the job's components—for example, its sheet sizes, print stocks, color characteristics and more. This information can then be used to drive the planning, processing and production of the job, right through to finishing.

The **Prinergy** Workflow system integrates every key workflow function, such as the new Preflight+, **Kodak Preps** Imposition Software and **Kodak ColorFlow** Software, seamlessly, allowing an unprecedented level of operator control.

## **Quality assurance starts with Preflight+**

**Prinergy** Workflow 7 introduces Preflight+, incorporating the powerful preflight capabilities of callas pdfToolbox into your **Prinergy** Workflow. Preflight+ can analyze input files or refined PDF files, and fix problems in a single refine task, while generating creating reports in PDF, XML or text format. It makes preflight profiles available within the

**Prinerger Workflow**, so you can check for specific issues, or create profiles, which validate and create PDF files that conform to current PDF/X & GWG standards. Preflight+ increases quality control and reduces manual touch points, to drive costs down while improving consistency.

### **The prepress hub for digital and hybrid digital-offset production**

**Prinerger Workflow 7** enhances the centralized control over digital and conventional presses and equipment, for efficient, automated production of all job sizes and lengths, to a fleet of Kodak and third-party digital presses and CTP devices.

These digital printing enhancements advance the level of automation and management of production presses. With these new capabilities, **Prinerger Workflow** can completely control every job-ticketing parameter for multiple devices—manually or through Rules Based Automation (RBA). **Prinerger Workflow** also monitors and reports the status of each device: digital, presses, CTP devices and proofers.

### **Powerful PDF Versioning in Version 7: Layered PDF Versioning (LPV)**

Versioned printing—for multiple-language or regionally-priced publications or packages—is more flexible, reliable and repeatable than ever. Layered PDF Versioning (LPV) allows control over multiple layers

of files. Layers in input files can be mapped to layers in the mapping profile, allowing highly complex publication and packaging jobs to be automated.

### **Modular and extensible: customize your workflow to meet your growing needs**

**Prinerger Workflow Systems** are modular and extensible, and available in a range of configurations for any print production environment, from short runs to the largest jobs, for digital, conventional and

packaging printing. They can be custom tailored with the features and capabilities to meet the most unique and demanding production requirements. Kodak offers a comprehensive suite of licensable options to increase the power, improve the flexibility, and grow the revenue potential of your **Prinerger Workflow**. You can build the workflow you need today, with the confidence that you can expand its capabilities as your business grows into the future.



***Prinerger Workflow 7** protects your profit margins with new features that reduce human error, improve time to press, and enable faster, more informed business decisions.*

## Automation and Reporting

### Rules-Based Automation Software (RBA)

- Intelligent, cause-and-effect automation designed to eliminate human decisions and touch points, and drive down costs.
- Can be customized to create simple, powerful rules: if event X occurs, perform action Y, that run in the background, waiting for the specified event.
- Used to create automatic rules that replace nearly any manual event, business process, or step in a print-production workflow. Move files to and from the server, run scripts, send emails, schedule tasks, make decisions based on the Job Ticket—and much more.

### Packaging Layout Automation (PLA)

- Automates the creation of complex press sheet layouts. PLA validates the job intent with your shop's equipment and capabilities so that production layouts can be automatically generated upon receipt of XML data from MIS and ERP systems.
- Reduces operating costs through the re-use of existing templates or previously used production layouts. Maximizes media usage and drives accuracy and timesaving to new levels, eliminating redundant data entry.
- For advanced editing requirements, PLA creates layouts that are fully compatible with **Kodak Pandora** Step-and-Repeat Software

### Business Link

- Enables two-way communication between a **Prinergy** Workflow and qualified management information systems (MIS) using JDF.
- Allows automated job creation and set-up, via the exchange of product- and process-related JDF data between the MIS and Prinergy Workflow.
- Imposition information from an MIS can be automatically imported or used to create impositions for **Prinergy** Software. The material and status type information that is automatically gathered by Business Link during the production process can be sent to an MIS, allowing automated tracking of materials and distribution of status information from **Prinergy** Workflow and **Kodak InSite** Solutions in the MIS.
- Includes production reports that allow users to run several pre-configured reports from a web-based interface, independent of an MIS



## Color Management

**ColorFlow** Software accesses your facility's Resource Equipment and Materials database to automatically validate your color capabilities. Operators simply choose the print condition and run the job. **ColorFlow** Software now supports tonal curves for spot colors and has enhanced support for flexo, digital and inkjet presses. It features packaging-oriented enhancements such as easy-to-use bump curves for flexo printing and improved gray balance.

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### Kodak ColorFlow Software Pro

- Upgrade for **ColorFlow** Software Workflow Edition.
- Create and edit ICC device profiles and ICC DeviceLink profiles. Stores color tonal curves, DeviceLink profiles, and ICC profiles and aligns them for consistent color production.

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### Kodak Ink Optimizing Solution

- Upgrade for **ColorFlow** Software Pro.
- Saves ink, shortens make-readies and improves press stability by applying sophisticated color-conversion intelligence to measure color blends, then converts them to ink-reduced blends that create the same visual result on press.

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### Kodak Spotless Software

- 4-color
- n-color

- For replacing spot colors with process color recipes in digital, flexographic, and lithographic printing. Transforms a library of spot colors into easy-to-manage, digital libraries of process color recipes that are based on a print condition—typically an ink set, press, and substrate.
- Supports color blends of 4, 5, 6, or 7 process colors.

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## Imposition

### Preps Imposition Software

- Completely integrated in the **Prinergy** Workflow interface, **Preps** Imposition Software allows “on-the-fly” impositions and marks, offering a new level of template building and control, with new signature views and independent page handling.

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## Digital Printing

### Digital Press Management

- Centrally manage jobs to a variety of digital presses from **Kodak**, and other vendors including **Konica Minolta**, **Canon**, **Ricoh**, **Xerox** and **HP**. Includes:
  - » **Digital Submit:** drag-and-drop job interface that can be used with RBA to automate job creation, file processing, imposition and output to a digital press.
  - » **Digital Direct:** digital press and job management interface that simplifies the management of digital print work. Jobs can be filtered, sorted and queued to multiple presses. Job progress and press status can be viewed from one window.
  - » **One Managed Press Connection:** Connectivity to one digital front end (DFE) or controller device.

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### One Additional Digital Press Connection

- Upgrade for Digital Press Management.
  - Adds an additional digital press connection
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## Acrobat Plug-ins

### PDF Production Tools

- Five production tools are included:
  - » **PDF PlateBuilder:** Tools for selecting and isolating common elements of a job to quickly create varnish plates, white plates and bump plates.
  - » **PDF File Editor:** Tools that facilitate check-out, conversion and editing of files using **Adobe Illustrator** and **Adobe Photoshop** Software. Once editing is complete, the revised file is checked back into **Prinerigy** Workflow for processing.
  - » **PDF Trap Editor:** Interactive, vector-based trapping tools. Trap entire pages or selected objects; edit and add traps; set trap geometry; create keepaway traps; and view trapping. Unique packaging trapping tools for the flexo and offset markets.
  - » **PDF Compare:** Quickly determines the differences between revisions of PDF files. Using **Adobe Acrobat** layers, the common elements are separated from the changed elements for easy inspection.
  - » **PDF Merge:** Merges new or changed elements in a design file into the production-ready PDF file, preserving existing traps, **DotShop** settings, and overprint changes made previously to the production-ready file.

### DotShop Composer

- Access to **Prinerigy** Workflow screening options within **Adobe Acrobat** Software: operators can apply per object and per separation in **ColorFlow** Software setup, curve, custom dot shape, line ruling, dot size, angle set, and angle orientation.

## Kodak Screening Solutions

### Advanced Screening

- A system-wide license that includes four unique Kodak Screening Solutions:
  - » **Kodak Maxtone Screening Technology:** A hybrid of AM and FM screening technology. Useful for flexo packaging and other applications, to overcome highlight and shadow reproduction limitations. Comes in three variations for different printing conditions: Maxtone CX, Maxtone SX, and Maxtone FX.
  - » **Kodak HyperFlex Screening Technology:** Produces smaller, more stable dots on flexographic plates, allowing highlights to be reproduced more faithfully, with a less discernible transition in blends or vignettes.
  - » **Kodak DigiCap Screening:** Applies a user definable texture pattern to the surface of a flexo printing plate to improve ink transfer and the appearance of solid areas.
  - » **Raster Scaling:** Randomizes pixel removal and prevents visible artifacts when CopyDot images are contained in electronic artwork.

### Kodak Staccato NX Screening Technology

- Advanced, second-order FM screening technology that produces high-fidelity, continuous tone images with fine detail and an extended color gamut.
- A system-wide license for all **Staccato** Screening sizes and training kits.

## Web-to-Print Integration

### OPS/DSF Integration

- License and services required for integrating the EFI OPS or EFI DSF Web-to-Print Solutions with **Prinerger** Workflow. Via RBA, production files and order information are received (in cXML format) and processed in **Prinerger** Workflow when a new order is created.

## Preflight & Refining

### NEW Preflight+

**Prinerger** Workflow Version 7 now includes the preflight power of callas pdfToolbox. With Preflight+, files can be analyzed and/or repaired within a fully automated prepress, or problems can be reported for advanced repair. Preflight+ supports all common file types, including PDF/X-1a, PDF/X-3, PDF/X-4 and -4p, PDF/VT-1 and VT-2. It can validate PDF/X-5 files, and create layered PDF/X-4 OCCDs for multilingual/multi-version publication and packaging files. It supports major profile standards including GWG 2012, and supports ICC and DeviceLink profiles and color-conversion blends.

### Preflighting

- Profile-based preflighting helps identify and correct problems in input files. Includes a profile editor, so users can create their own profiles. Generates a preflight report that itemizes the results, with links to the objects in the PDF digital master.

### PDF Batch Trapping

- Additional PDF Batch Trapping engine to a **Prinerger** System.
- Automatically traps PDF pages during the refining process. Includes advanced features like enhanced trap corner geometry settings and keep away traps for packaging work.
- More trap engines can be added based on your production needs.

### Refining

- Additional Refine engine (or Job Ticket Processor, JTP) for a **Prinerger** System.
- Provides standard preflight, normalizing, color management, and optimizing of input PostScript, PDF, and other file formats into a PDF or PDF/X digital master.
- Expandable to meet customers' production needs.

## Collaboration Tools

### Kodak InSite Prepress Portal

- Provides secure Web access to the **Prinerger** Workflow. Customers, prepress operators, and service representatives can upload files and create new jobs for automatic processing in **Prinerger** Workflow. They can also remotely track a job's progress from any Web-connected computer. Smart Review (a component of the **InSite** Portal) allows on-screen proofing with high-resolution zooming, panning and accurate measurements, and page-by-page approval, annotations, and change requests.
- iPad app support—the iPad app for **InSite** Portal provides mobile on-screen proofing, with high-resolution zooming, panning and accurate measurements, and page-by-page approval, annotations, and change requests.

### Kodak InSite Creative Workflow

- A powerful, yet intuitive web-based system for centrally organizing design files. Collaborate with partners and clients with flexible file sharing, task base review/approval workflow and an audit trail that tracks every action. The Asset Library, an **InSite** Creative Workflow component, stores all assets—images, fonts, project specification, etc. With the addition of metadata, all stakeholders can easily organize, access, use and reuse content across projects and libraries with consistency and accuracy.

## System Options

<b>Dashboard</b>	<ul style="list-style-type: none"><li>Consolidated web-based display of job status for an unlimited number of users.</li></ul>
<b>Archive</b>	<ul style="list-style-type: none"><li>Job archiving, retrieval and purging capabilities. Stores jobs and associated files, history and settings can be stored on nearline disk volumes for future retrieval and re-processing/output.</li></ul>
<b>Hot Standby Software</b>	<ul style="list-style-type: none"><li>Minimizes downtime: the database server is replicated on a secondary, so the system can continue to run with no data loss if primary fails. Also known as Emergency Platemaking or EPM+.</li></ul>
<b>Job Replication</b>	<ul style="list-style-type: none"><li>Protects job data by providing real-time backup of the RAID data storage to a second server with RAID. If the main RAID fails, production can be quickly reconfigured to use the replicated job data on the second server.</li></ul>

## Output Options

<b>Layered PDF Versioning (LPV)</b>	<ul style="list-style-type: none"><li>Versioned printing—for multiple languages or regional pricing—is more flexible, reliable and repeatable than ever. Multiple layers in input files can be mapped to multiple layers in the mapping profile, allowing highly complex publication and packaging jobs to be automated.</li></ul>
<b>PrintLink Ink Key Setting</b>	<ul style="list-style-type: none"><li>Generates JDF-compliant Print Production Format (PPF) files that define ink key settings for the plate.</li></ul>
<b>Web Growth Compensation</b>	<ul style="list-style-type: none"><li>Provides linear and non-linear distortion of individual plate separations to compensate for paper stretch in web press operations.</li></ul>
<b>Digital Blueline Proofing (Signature Booklet)</b>	<ul style="list-style-type: none"><li>Cuts and collates pages from an imposed flat and sends the pages to a printer in 1-up or 2-up reader order.</li></ul>
<b>Output Renderer</b>	<ul style="list-style-type: none"><li>Adds one additional high-resolution output engine (or Job Ticket Processor, JTP). Renders PDF files and populated imposition job tickets in JDF and PJTF formats.</li><li>Expandable to meet customers' production needs.</li></ul>

## Training

<b>Prinergy Workflow Training</b>	<ul style="list-style-type: none"><li>A variety of classroom, onsite and online training options are available for managers and prepress operators. Attendees learn to configure their system and gain insight into workflow optimization.</li></ul>
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## Kodak Service and Support

**Kodak** Unified Workflow Solutions are backed by **Kodak** Service and Support. Reduce downtime and optimize system performance, with product updates, scheduled system audits and expert maintenance. With coverage in 120 countries, Kodak's highly trained Technical Response Center personnel and Workflow Application Specialists can help diagnose and resolve issues quickly. Rely on **Kodak** Service and Support to help keep your system operating at peak performance.

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The Kodak logo is displayed in a bold, red, sans-serif font. It is positioned on the right side of the page, partially overlapping a large, stylized graphic element consisting of overlapping curved lines in shades of blue, green, and yellow.