



## Workflow for publishers and in-plant, commercial, packaging, and newspaper printers

### Efficient prepress production with an integrated, automated workflow

The *Kodak Prinergy Evo* workflow system is a powerful solution for controlling prepress, plate and/or film production with outstanding performance and output quality. Built on proven *Prinergy* PDF processing technology, *Prinergy Evo* software features advanced preflighting, normalizing, color management, trapping, and optimizing. With an intuitive user interface, self-training, and support, *Prinergy Evo* workflow software provides easy, efficient operation with an ongoing low cost of ownership. Modular and scalable, it is a flexible workflow system that helps printers streamline processes and reduce the costs of production.

### Affordable prepress performance and efficiency

Workflow templates allow operators to define a sequence of processing steps to increase throughput with less manual effort. Dynamic process templates allow operators to change process parameters on-the-fly, increasing flexibility and control. All popular file formats are supported, and *Prinergy* PDF processing technology delivers high-speed, high-quality output to CTP, CTF, and proofing devices. The *Prinergy Evo* system imports imposition information, exports ink-key presetting data, and allows specification of digital print output in prepress via JDF.

### Highlights:

- End-to-end native PDF workflow built on proven *Prinergy* technology
- Advanced preflighting, normalizing, color management, trapping, optimizing, and screening
- Enhanced integration with *Kodak Preps* imposition software
- Easy-to-use, template-based workflow automation
- JDF support for imposition and ink settings
- Flexible connectivity to a variety of output devices

# Kodak Prinergy Evo Workflow System

## Prinergy Evo software benefits include:

- Flexible connectivity. Output to offset and flexographic CTP devices, direct imaging offset presses, popular proofing and CTF devices, and digital presses.
- Uncompromised quality. Supports all *Kodak* screening software including high-lpi AM, *Maxtone* hybrid screening software with *HyperFlex* resolution

enhancement software, and *Staccato* screening options.

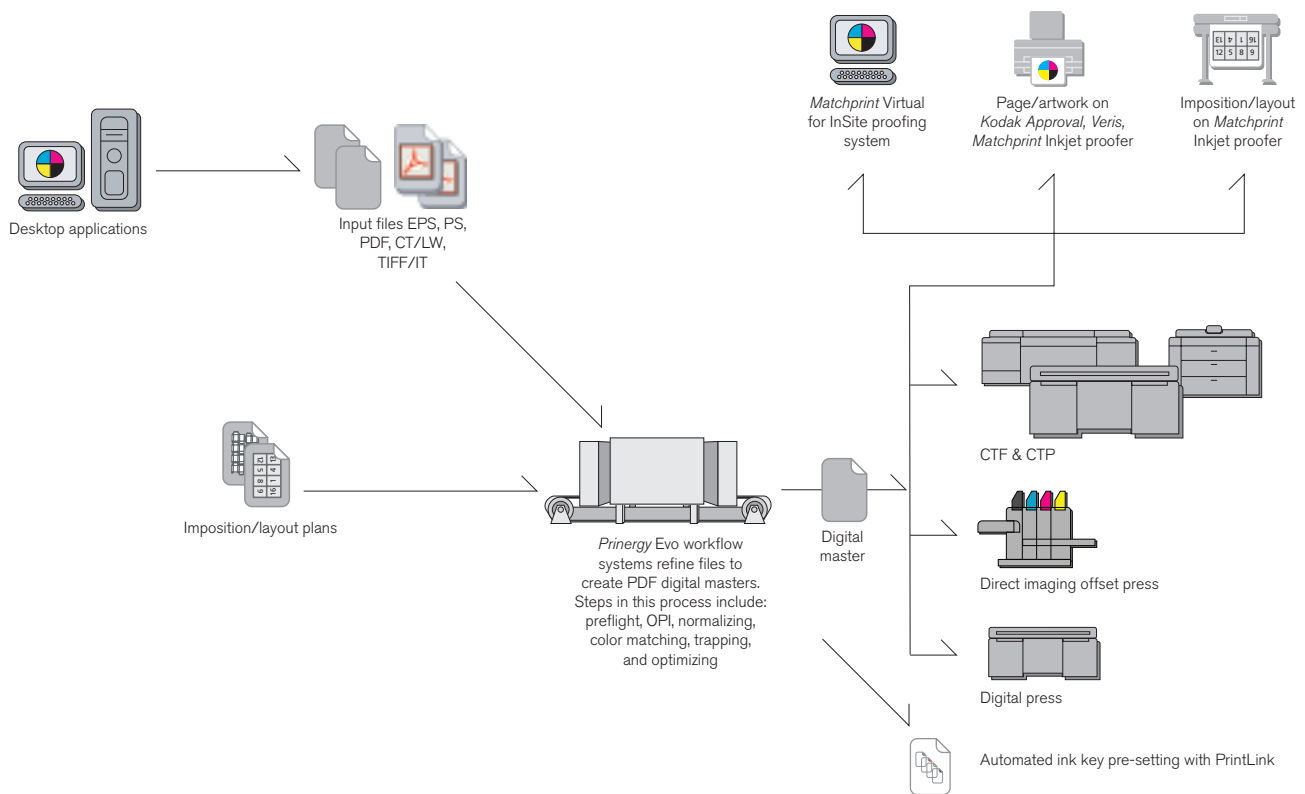
- End-to-end color consistency with accurate color management.
- Reliable high-speed processing. Proven *Prinergy* PDF processing technology is efficient, fast, and accurate.
- Greater uptime. The *Prinergy* Evo system provides automatic error reporting for prompt issue resolution.

Online troubleshooting and support are available to keep your prepress and pressroom running.

- Powerful, flexible template-based workflow automation.
- Open integration. *Prinergy* Evo workflow systems can import imposition information, specify digital print output, and export ink-key presetting data via JDF.

## Prinergy Evo workflow systems

The *Prinergy* Evo workflow system is a powerful, automated solution for controlling prepress, plate, and film production. It is a flexible, scalable component of *Kodak* commercial, publishing, newspaper, and packaging solutions.



## Protect your investment with a flexible upgrade path

As part of the *Prinergy* workflow software family, *Prinergy* Evo systems are designed to meet your evolving business requirements. *Prinergy* Evo software configurations can be upgraded for additional functionality.

# Kodak Prinergy Evo Workflow System

## Prinergy Evo System Base Configurations

### Software configurations

Refine, Trap, Proof, and Output	Provides comprehensive PDF processing and output to thermal CTP, CTF, and popular proofing devices
Refine and Output	Provides essential PDF processing and output to thermal CTP, CTF, and popular proofing devices
Output	Provides standalone, high-resolution rendering; drives thermal CTP and CTF devices, as well as popular proofing devices
Refine	Provides publishing of PDF digital masters
Workstation	Provides essential PDF processing and output. Includes a single, upgradeable client license, as well as proofing in high-resolution vector or raster PDF output

## Prinergy Evo System Specification Highlights

End-to-end native PDF processing	For standard, reliable portable files, small file size, easy previewing and easy editing with third-party tools. Based on <i>Adobe</i> PDF and CIP4 JDF.
Profile-based, automated preflight	Check and correct input files automatically during processing of customer input files. Supports standard profiles and profile creation. Report indicates what was checked and corrected, with hyperlinks to PDF file.
Screening	AM screening software <i>Staccato</i> screening software <i>Maxtone</i> hybrid screening software <i>HyperFlex</i> resolution enhancement software (for AM or hybrid screening)
Trapping	Automated PDF-to-PDF trapping Interactive trapping can be added with trap editor ( <i>Adobe Acrobat</i> plug-in)
Color matching and management	Converts RGB to CMYK. Maps spot colors to process colors. Supports custom ICC profiles for Refine and Output. <i>Pantone</i> library included. Advanced color management option supports customized ICC profiles for proofing. Allows color matching of overprinting elements.
Template-based automation	Template-driven automation allows easy operation from the desktop to initiate processing and monitor progress, errors and history
Workflow template automation	Define a sequence of processing steps to increase throughput with less manual effort. Sequences can be linear or parallel, and allows collection and hold/interaction/decision points.
Web-growth compensation	Compensates for linear and non-linear web growth (paper stretch on web presses) to maintain registration
Advanced administrator tools	Powerful administrator toolset for easy system management
Dynamic process templates	Change process parameters on-the-fly
<i>Harmony</i> calibration software	Allows users to create and manage tonal calibration curves to compensate for dot gain. <i>Prinergy</i> Evo software also allows page and sheet marks to remain uncalibrated, even when a calibration curve is applied to plate content.
PrintLink	Produces CIP3 and JDF-compliant files for automated ink-key setting on press. Allows specification and editing of certain PrintLink parameters.
Image replacement (OPI)	Automated OPI—supports image replacement into both <i>PostScript</i> and PDF files
Recombiner	Enables quick and easy creation of composite files from pre-separated PDF and <i>PostScript</i> files
Imposition/step and repeat	<i>Preps</i> software 4.2 or later required for creating impositions in JDF or PJTF job ticket format <i>Pandora</i> software 2.6 or later required for creating step-and-repeat layout
Create imposition	This template option simplifies and automates creation of populated JDF impositions
<i>DotShop</i> software support	Plug-in for <i>Adobe Acrobat</i> software that allows users to set and control screening options in PDF files
Advanced copydot handling	Optimize and reformat copydot data to accelerate rendering, change copydot resolution to match that of an output device, and apply tonal calibration to copydot files to eliminate moiré and image artifacts

# Kodak Prinergy Evo Workflow System

<b>Prinergy Evo System Specification Highlights cont.</b>	
PDF Compare and PDF Merge	<i>Adobe Acrobat</i> plug-ins that allow prepress operators to compare two files, extract any revisions done and merge all of those elements into the revised production file.
Input file types	Includes PDF (1.2, 1.3, 1.4, 1.5), <i>PostScript</i> files level 2 and 3, EPS, TIFF/IT-P1, 1-bit TIFF, DCS1, DCS2, CT/LW
Raster scaling	Compensate for physical distortions by scaling raster data during output
Output file types	<b>Vector formats:</b> PDF (1.3), PDF/X-1a, PDF/X-3, EPS, DCS, <i>PostScript</i> files level 2 and 3 <b>Raster formats:</b> TIFF, CT/LW, TIFF/IT, RGB JPEG, EPS, DCS, VPS, and others for proofer connectivity
TIFF downloader	Output third-party, bi-level TIFF files
Spread splitting	Automatically convert reader spreads into two separate PDF pages
Proofing	<b>Monitor proofing:</b> PDFs can be proofed on-screen using <i>Adobe Acrobat</i> , <i>Kodak InSite</i> , or <i>Kodak MatchPrint</i> Virtual for InSite software. <i>Kodak Approval</i> halftone proofer, <i>Veris</i> digital proofer, and <i>Matchprint</i> Inkjet proofing solutions <b>Hard copy proofing:</b> <i>Kodak Approval</i> halftone proofer, <i>Veris</i> digital proofer, and <i>Matchprint</i> Inkjet proofing solutions <b>Digital blueline proofing:</b> For complete imposition checks by producing folded construction proofs
Flat rotation	Small-angle rotation of the output image to overcome artifacts (ghosting) on press
Direct imaging offset press	<i>Kodak DirectPress</i> DI system
CTP	<b>Thermal CTP:</b> <i>Lotem</i> , <i>Trendsetter</i> , and <i>Magnus</i> devices <b>Flexo CTP:</b> <i>ThermoFlex</i> devices
CTF	8-up <i>Dolev</i> devices
Digital print integration	Send jobs to a digital print controller and high-quality digital press with ease, ensuring reliable digital print repeatability in a production environment. Allows the specification of digital print output preferences from <i>Prinergy</i> Evo workflows using JDF.
Plate and proofs remake	Allows quick and easy production of an individual plate or proof in the event that it is damaged
Localization support	Intuitive, easy-to-learn <i>Prinergy</i> Evo system interface available in <i>Macintosh</i> and <i>Windows</i> OS versions in English, German, French, Italian, Russian, Spanish, Japanese and Chinese. Third-party, low-resolution Chinese, Japanese and Korean font support for output up to 1200 dpi.

<b>Server Options</b>		
	<b>Performance workflow server</b>	<b>Premium workflow server</b>
Performance	40 pages per hour	120 pages per hour
Redundancy		Mirrored system discs Hot-swap discs Redundant power supplies
Expandability		RAID 5 to 650 GB

## Client OS options

- *Macintosh:* Mac OS 10.2 or later
- *Windows:* *Windows Server* 2000 or 2003, *Windows* 2000 Professional, *Windows XP* Professional OS

# Kodak Prinergy Evo Workflow System

## **Prinergy Evo workflow systems for packaging**

*Prinergy* Evo workflow systems can be customized to suit the unique requirements of packaging trade shops, printers, and converters. Advanced flexographic screening options including *Maxtone* hybrid screening software, *HyperFlex* resolution enhancement software, *DigiCap* screening software, and *DotShop* software, as well as *Pandora* step-and-repeat software and advanced trapping are designed to provide packaging professionals the flexibility, functionality, and performance they need.

## **Prinergy Evo workflow systems for publishing**

*Prinergy* Evo workflow systems can be designed to suit the unique requirements of publishers and agencies. A *Prinergy* Evo software Refine configuration provides enhanced control over content preparation with powerful, streamlined trapping, color management, and proofing. A proven, affordable page processing system, *Prinergy* Evo software allows publishers to create reliable, production-ready files including PDF, PDF/x-1a, PDF/X-3, DCS2, and *PostScript* files.

## **Prinergy Evo workflow systems for newspapers**

*Prinergy* Evo workflow systems provide the automation, speed, control, and flexibility that allows newspapers to extend close times, easily handle last-minute changes, and output large numbers of pages faster than ever before.

*Prinergy* Evo systems for newspapers are available in two basic configurations: Output, and Refine and Output. Both provide high-resolution rendering of PDF files from upstream applications like *Kodak* NewsManager software, and can render them directly to a *Trendsetter* NEWS platesetter via Print Console, or to a TIFF file for compatibility with third-party and legacy systems.

**To learn more about solutions from Kodak:**  
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