



Kodak

Unified Workflow Solutions

PACKAGING SOLUTIONS

Drives reduced costs and increased
profitability in package printing

Automation that drives down your costs

Packaging printing just keeps getting more competitive. You know what your business needs: more productivity, less waste, higher levels of service, quality and automation. But how do you get there?

Kodak offers a single source for all your packaging workflow needs from file creation to final output. What makes **Kodak Unified Workflow Solutions** different? Truly customizable automation; seamless integration across business, production and customer systems; and the ability to match the right solutions to your objectives and current infrastructure.

Strengthen client relationships with leading-edge online solutions

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

Kodak InSite Prepress Portal automates critical package production procedures by importing client files directly into your **Kodak Prinergy Workflow** securely but with accessibility for authorized customers, staff and partners. Remotely and instantly submit jobs, track progress, proof, annotate and more, even on your **Apple iPad Tablet**.

Save time and money with an automated and integrated workflow

Kodak Prinergy Workflow drives exceptional efficiency through the entire packaging production process.

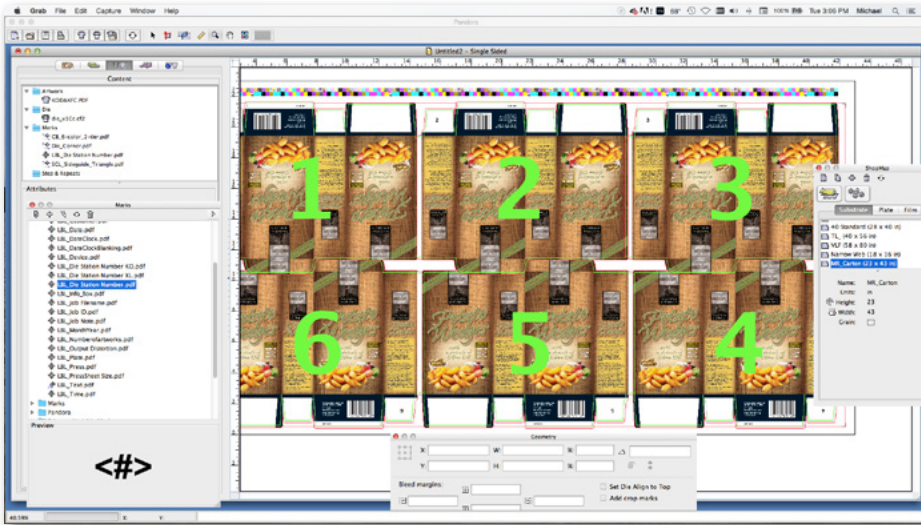
- Quickly and easily create final production layouts including all press marks with Packaging Layout Automation
- Use Rules-Based Automation to automate repetitive daily tasks, prevent errors and speed production
- Leverage fully integrated PDF processing and editing tools including preflight, color management, trapping, platebuilder and compare and merge
- Control processes, quality, costs and resources from a central interface
- Integrate with online and business systems with Business Link

Efficiently Create Print-Ready Packaging Layout

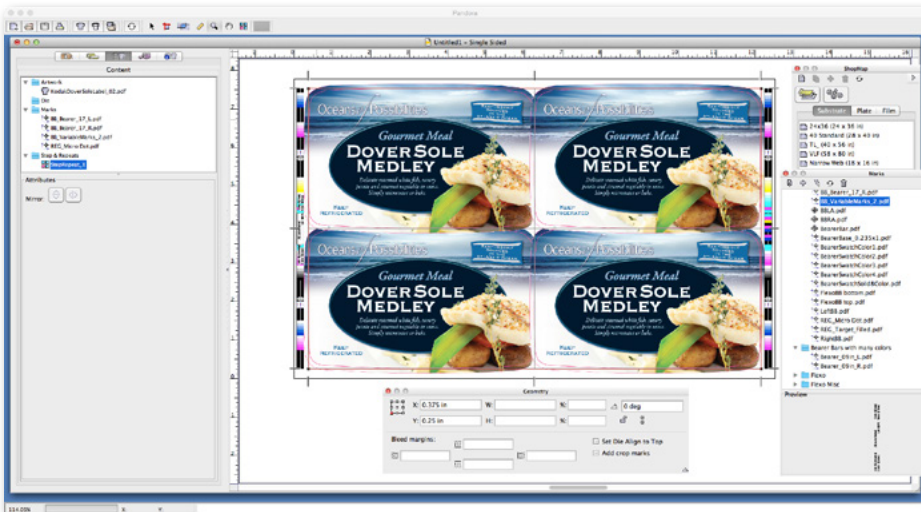
Kodak Pandora Software is a powerful, open-industry standard solution designed to efficiently create print-ready packaging layouts, including complex layouts.

Pandora Software gives operators control over artwork layout information, such as sizing and positioning, from original file to final output, maintaining accuracy and reliability.

- Dramatically reduce layout time and effort with automation and easy-to-use drag-and-drop functionality
- Improve accuracy with intelligent marks that position and size themselves on a layout
- The **Pandora ShopMap** library maintains press information, substrates used, and material usage to produce jobs
- Easily plan and prepare re-usable, automatable step-and-repeat templates and create CAD files from 1-up dies
- Support offset, flexo and gravure printing requirements
- Intelligent smart marks that automatically populate your layout
- Job templates are stored within Pandora to easily create new jobs
- Bleed editing tools to easily resolve your bleed overlaps
- Bar code creation
- Smart waste marks to identify waste regions



Folding Carton layouts are intelligently created.



Flexo layouts are dynamically created based on job intent.

Packaging Layout Automation Software (PLA)

PLA is an innovative solution that combines Prinergy Rules- Based Automation Software (RBA) with the advanced layout capabilities of **Kodak Pandora** Step-and-Repeat Software. With PLA, press sheet layouts can be automatically generated, from complex multi-job layouts to unpopulated layouts. PLA can save hours of operator time and support a fully-automated production process, while improving consistency and maximizing media use.

PLA creates layouts based on the job ticket data from the print provider's MIS/ERP system (Management Information System/Enterprise Resource Planner). Alternately, an operator can fill out a simple task screen. To prevent layout errors, the system validates the layout against predefined press sheet standards and the manufacturing specifications in the **Kodak Prinergy** Workflow's database.

Press sheets are automatically sized to fit the equipment on hand, which minimizes waste, and eliminates the need to manage the **Kodak ShopMap** database. Because optimized layouts can be generated automatically, there is no more need to create and maintain libraries of templates for standard jobs.

PLA Software employs the intelligence of **Pandora** Step-and-Repeat Software: when it's initially set up, it uses the resource data stored in the shop's **Pandora** Software, such as press sheet and plate dimensions, and standard marks. New layouts can be based on previous **Pandora** Step-and-Repeat Software layouts, and if a layout had manual edits, the edits can be directly imported into a layout.

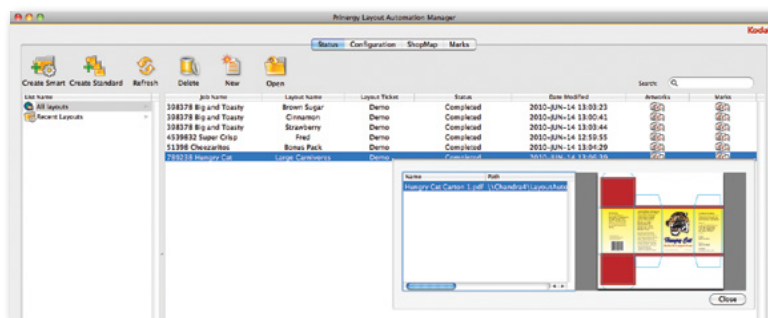
By streamlining and automating the production flow, PLA Software can improve the efficiency and profitability of packaging operations.

If you have been using **Pandora** in the past to create your layouts and now want to use PLA for automation. PLA can now import your **Pandora** jobs and automatically create new PLA jobs.

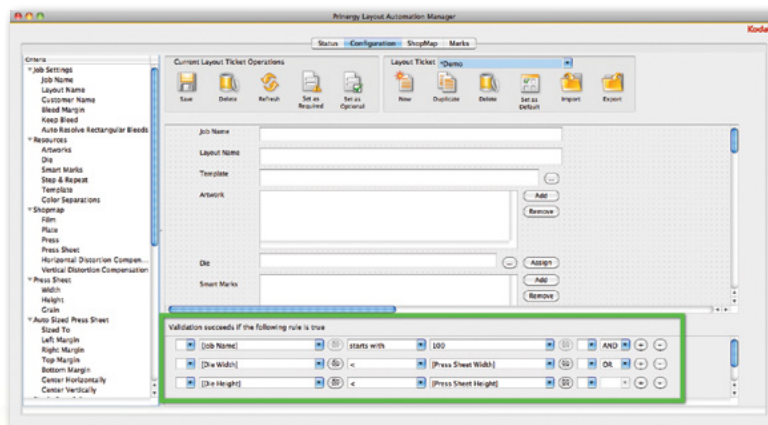
Spot color value without spot color inks

Kodak Spotless Software is an intuitive, easy-to-use solution for replacing spot colors with accurate recipes for 4, 5, 6 and 7-color process printing. With **Spotless** Software, printers can reduce press downtime and increase efficiency, while designers and print buyers can specify a greater variety of spot colors to enhance creative projects.

The **Kodak Spotless** Flexographic Solution extends this innovative and market-proven software solution to flexographic printing. Developed specifically for flexo processes and an ideal companion to the **Kodak Flexcel NX** System, the **Spotless** Flexographic Solution enables cost savings and efficiency improvements without sacrificing visual impact.



Monitor the status of jobs and preview artworks and marks with the **Layout Automation Manager Dashboard**.

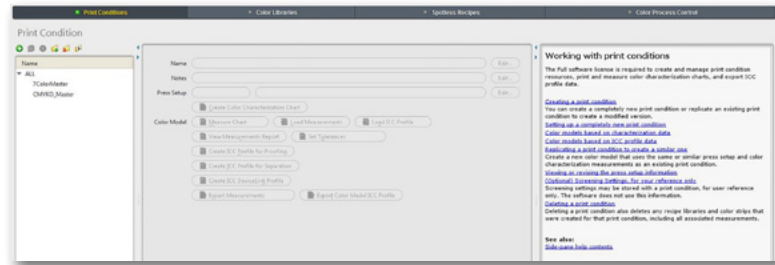


Validation criteria ensures that submitted data is complete and correct.

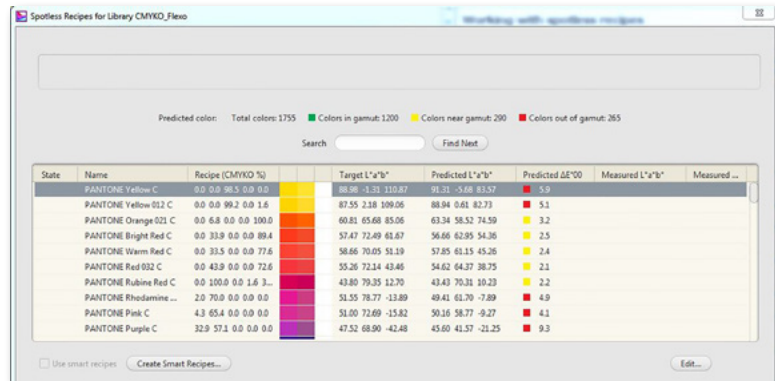
What's new in Spotless Software version 2?

Spotless Software 2.0 is a new and improved solution that will replace the legacy **Spotless Color Toolkit** and expand the flexo functionality from 4-color to n-color process printing. Key features include:

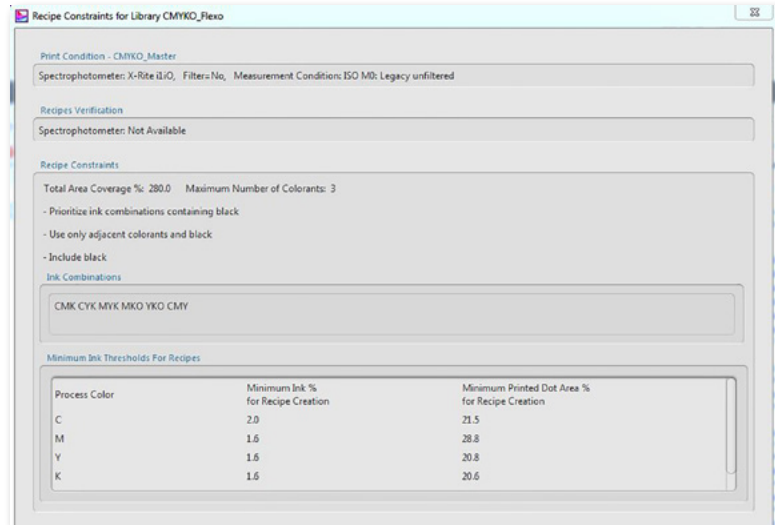
- Up to 7-color process modeling (n-color) for BOTH flexo and offset
- Flexible ink combination controls to tailor how the software chooses recipes
- Press-side process control system where custom-created color strips can be used to measure and monitor color on press
- Database with web reports for tracking and analyzing results over time
- Flexible software licensing options for various site scenarios



Kodak **Spotless** software allows you to create numerous print conditions to meet your production needs from Flexo to Offset to Digital. ICC profiles are created intelligently based on print conditions



Spotless recipes are created based on print and user defined conditions. Recipes then created are identified in easily to read color coded identifiers.



Recipe conditions have numerous constraints to insure accurate spot color reproduction.

Kodak Screening Solutions for Packaging

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. **Maxtone** comes in three variations, each of which can be used in various printing conditions:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Maxtone AM Screening	Standard AM Screen—wide choice of rulings, angles, and dot shapes.	√	√	√	√
Maxtone CX Screening	Hybrid screen with user configurable highlight and shadow dots. Highlights and shadows dots on AM grid.	√	√	√	√
Maxtone SX Screening	An innovative hybrid screening technology with smoother highlights that improve overall image quality. Supports eliminating visible transitions on a wide range of minimum dot sizes.	√	√	√	√
Maxtone FX Screening	Hybrid Screen with user configurable highlight and shadow dots. Highlight and shadows dots are FM. Transition from FM to AM is fast.	√	√	√	√

Staccato Screening Technology: Advanced, second-order FM screening technology that produces high-fidelity, continuous tone images with fine detail and an extended color gamut:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Staccato Screening	Staccato screening produces high-fidelity, continuous tone images that exhibit fine detail and an extended color gamut, creating a photographic experience free of visible printing artifacts, such as subject moiré and rosettes.	√			
Staccato NX	Kodak Staccato NX Screening offers a configurable second-order screening algorithm for use with the Kodak Flexcel NX to maximize reproduction of artwork for flexographic printing.			√	

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:

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Kodak HyperFlex Imaging Software	User defined minimum dots sizes to fill highlight AM grid points. (minimum dots are limited to halftone frequency)		√	√	
Kodak HyperFlex Advanced	User defined minimum sized dots at device resolution placed around dots. (Added pixels are not limited to halftone frequency, i.e. can be added between dots.)		√		
Kodak HyperFlex NX Imaging Software	High definition 5x10micron light valves added around highlight dots for improved dot stability and consistency.			√	

Kodak DigiCap Imaging Technology: Applies a user definable texture pattern to the surface of a flexo printing plate to improve ink transfer and the appearance of solid areas.

Product Name	Description	Offset	Flexo LAM	Flexo NX	Flexo Direct
Kodak DigiCap Imaging Software	User configurable pattern applied over halftone pattern. Pattern is at device resolution.		√		
Kodak DigiCap NX Patterning	<p>Patterning applied to screened 1-bit files. The patterns impart texturization to the plate surface enabling improved ink laydown.</p> <p>Six different patterns are supported. Each pattern is optimized for different print applications.</p>			√	

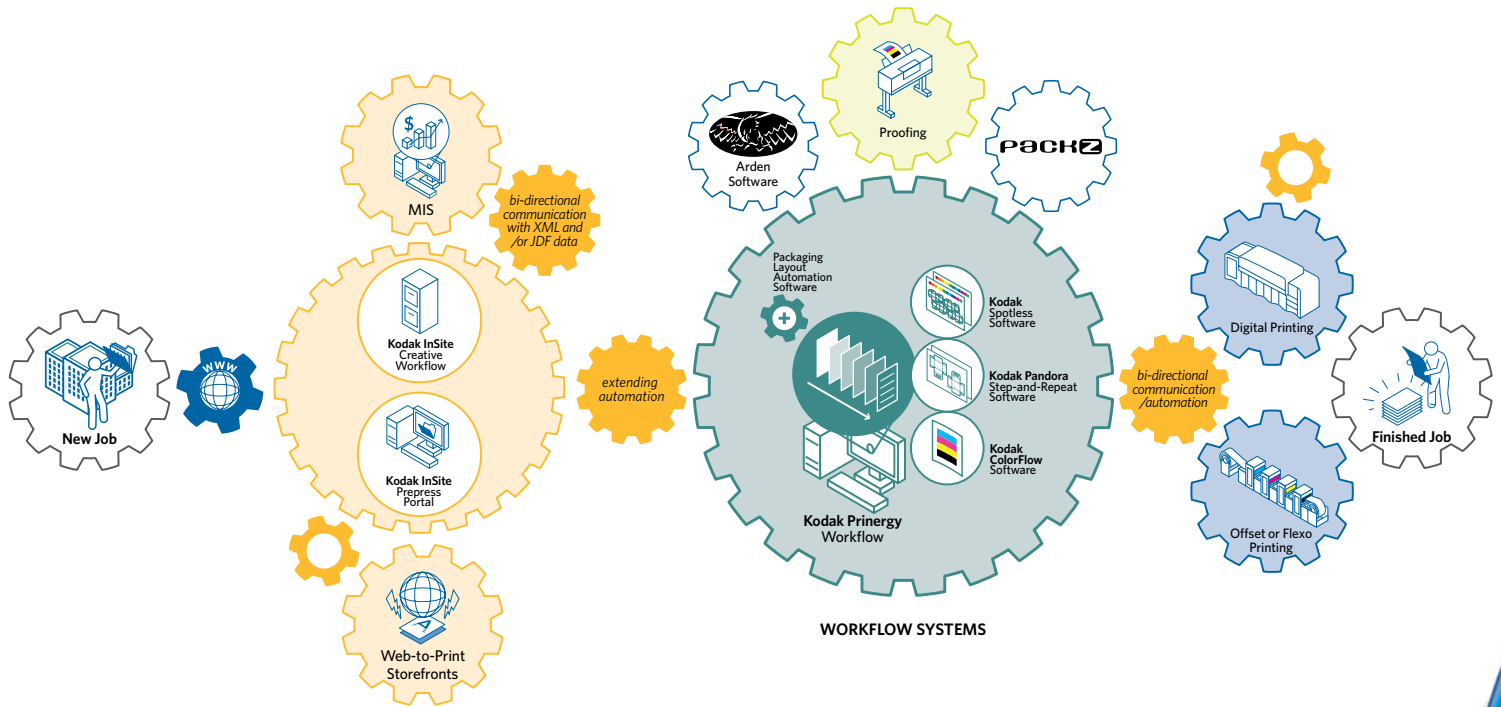


Solutions for any packaging application

Kodak Unified Workflow Solutions can provide maximum impact at a minimized cost for all packaging applications. By applying Rules Based Automation within your workflow; mistakes, cycle time, and overall job costs are reduced and/or eliminated.

- Manage your overall color with Kodak's color management tool: **ColorFlow** Software

- Job management and tracking are web based using the **Prinerity** Workflow dashboard
- Kodak offers a complete set of tools to trap, screen and build white and spot color plates within your desktop application
- Easily manage artwork revisions using Kodak's innovative compare and merge technology
- Produce eye catching flexible packaging consistently and accurately using our **Maxtone** Screening Technology
- **Pandora** Step and Repeat Software easily handles the flaps, creases and corners of folding cartons automatically
- Ensure quick ordering, job submission and turnaround times for tags and labels when using **InSite** Portal Solutions
- Streamline the complexities of corrugated cardboard



From start to finish, UWS Packaging Solutions give you a completely integrated and automated workflow that delivers exceptional efficiency throughout the entire production process.

Produced using Kodak Technologies.

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