



# Xerox® IntegratedPLUS Finishing Solution

A New Chapter in Finishing Convenience and Flexibility



# Reduce cost and accelerate production with a streamlined, end-to-end finishing solution.

The Xerox® IntegratedPLUS Finishing Solution transforms your most challenging job stream into efficient, highly automated and predictable production with one-touch prepress and automatic finishing setup.



Jobs come in all shapes and sizes, and may include perfect-bound books, booklets, business cards, catalogues, greeting cards and more, each requiring unique prepress and finishing options. Skilled operators who understand prepress, job layout and finishing requirements dependent on sheet sizes must handle prepress tasks on a job-by-job basis to ensure these complex steps are completed accurately and quickly. As the number of jobs coming into the shop goes from a handful to dozens or even hundreds a day, you just can't afford to have manual labour handling each job.

With the Xerox® IntegratedPLUS Finishing Solution, job preparation and finishing setup are automatic. Xerox integrates a broad range of finishing options from world-class finishing partners to provide automation that keeps you productive while saving you time and reducing costly errors. This breakthrough solution enables end-to-end prepress and finishing automation that spans a variety of applications.

Conventional finishing can tie up valuable assets on your shop floor. It's also time consuming. The Xerox® IntegratedPLUS Finishing Solution supports inline, offline and the dual-mode finishing option with the Bourg Sheet Feeder (BSF) that combines the efficiency of inline finishing with the flexibility of offline finishing in a single solution. It's compatible with both the Xerox® FreeFlow® Print Server and EFI® Fiery® print server. Offline solutions can include integrity checking from the internal barcode scanner, so you can validate that the expected number of booklets is completed and that each includes the correct number of pages in the correct sequence. You'll find that the Xerox® IntegratedPLUS Finishing Solution is a smart and flexible way to dramatically increase your productivity, your customer satisfaction and your profitability.

**Get more work done faster, automatically.**

The Xerox® IntegratedPLUS Finishing Solution takes your job from input to finished output with virtually no operator involvement. Xerox® FreeFlow® Core enables simple and flexible integration with upstream order entry whether you receive jobs via a Web-to-Print solution, FTP, order entry or MIS. FreeFlow Core automates all job preparation, including prepress operations, and it also automates prepress operator decisions about how a given job should be processed. During prepress, job information is captured and communicated to your entire supported digital printing and finishing fleet – automatically.

By avoiding manual prepress and manual finisher setup, you’ve eliminated two major bottlenecks from your production print workflow. Jobs automatically print and finish to customer specifications. With no manual intervention, the next job is already underway. You can even feed covers into the run automatically. What once took up to 30 minutes or more with trained personnel, now takes just minutes. Incredible productivity increases of up to 30% or more can be yours by removing dozens of work steps from your end-to-end finishing process.

**Drive more booklet jobs through your shop with less cost and faster turnarounds.**

Process Step	Manual Finishing	IntegratedPLUS Finishing Solution
Prepress <ul style="list-style-type: none"> <li>• Preflight</li> <li>• Imposition</li> <li>• Paper stock</li> <li>• Set number of copies</li> <li>• Specify printer</li> <li>• Specify finisher</li> <li>• And more...</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled operator</li> <li>• Up to 20+ minutes</li> <li>• Manual entry</li> <li>• Prone to error</li> </ul>	<ul style="list-style-type: none"> <li>• One-touch prepress</li> <li>• 1 to 2 minutes</li> <li>• Improved job integrity</li> <li>• 24/7 operation</li> <li>• Consistent job processing decisions</li> </ul>
Setup <ul style="list-style-type: none"> <li>• Finished dimensions</li> <li>• Stitching</li> <li>• Bleeds</li> <li>• Slitting</li> <li>• Cover insertions</li> <li>• Folding</li> <li>• Binding</li> <li>• And more...</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled operator</li> <li>• Up to 10+ minutes</li> <li>• Manual entry</li> <li>• Prone to error</li> </ul>	<ul style="list-style-type: none"> <li>• Automatic setup</li> <li>• &lt; 1 minute</li> <li>• Little or no operator intervention</li> <li>• Accurate – utilising internal barcode integrity check for offline modes</li> <li>• Efficient                             <ul style="list-style-type: none"> <li>– Automatically group jobs with identical finishing requirements</li> <li>– Finish offline booklets with different requirements with no operator intervention</li> </ul> </li> </ul>

**Xerox® IntegratedPLUS Finishing Solution can increase productivity up to 30% or more.**

# Take your jobs from “to do” to “done” more efficiently with the Xerox® IntegratedPLUS Finishing Solution.



No matter where the press sheets come from, you'll enjoy the time and labour savings of the Xerox® IntegratedPLUS Finishing Solution.

## Benefits

### Produce More Jobs

- Streamline prepress operations and remove production bottlenecks
- Manage a mix of jobs that includes diverse finishing requirements with shorter turnaround times
- Run finishing devices at rated production speeds

### Reduce Costs

- Reduce errors
- Reduce labour costs
- Some configurations combine convenience of inline finishing and the flexibility of offline finishing

### Grow Your Business

- Optimise asset utilisation even with diverse, short-run job streams
- Reassign skilled operators to perform higher-value tasks
- Increase revenue through growth and enhanced profitability

### Increase Quality and Efficiency

- Reduce errors and costly reprints – internal barcode scanner ensures every document has the right number of pages in the expected sequence for content produced offline
- Integrity also helps you keep track of booklets of varying page counts.
- Increase productivity by finishing multiple jobs in a single offline stack – finishing information for each job is retrieved without operator intervention
- Increase efficiency of multiple jobs with varied finishing requirements – intelligent batching capability will automatically sort the jobs into groups with identical finishing requirements to enable better productivity of the finisher

# Enjoy inline convenience and offline booklet-making flexibility in a single automated finishing solution.

Typically, you have a tough choice to make when it comes to booklet making: inline or offline. Inline means dedicating one booklet maker per print engine. Offline finishers can delay the process and are not as convenient as inline. With the Xerox® IntegratedPLUS Finishing Solution, you no longer have such tough choices.

## The Straight-line Convenience of Automatic Inline Finishing

With this option, one-touch prepress takes care of job setup during prepress. Press sheets pass directly from the

printer to the booklet maker, along with the Job Definition Format (JDF) data required for automatic finishing setup. Other than loading paper and unloading booklets, the operator is free to take care of other tasks and let the IntegratedPLUS Finishing Solution handle the details.



With the Dual-Mode Bourg Sheet Feeder option, you have end-to-end automation, inline and offline. Our labour-saving solution gives you three ways to take advantage of the automation: inline, offline or both.

**You can even incorporate non-Xerox printers into an IntegratedPLUS Finishing Solution workflow.**

# Maximise productivity with efficient inline and offline booklet finishing.

Your printer can be equipped with the Dual-Mode Bourg Sheet Feeder and send sheets directly to an inline finisher. In addition, when the attached printer is not using the finisher, stacks from other printers or offset presses can be fed into the Dual-Mode Sheet Feeder to use the inline booklet maker as an offline booklet maker.

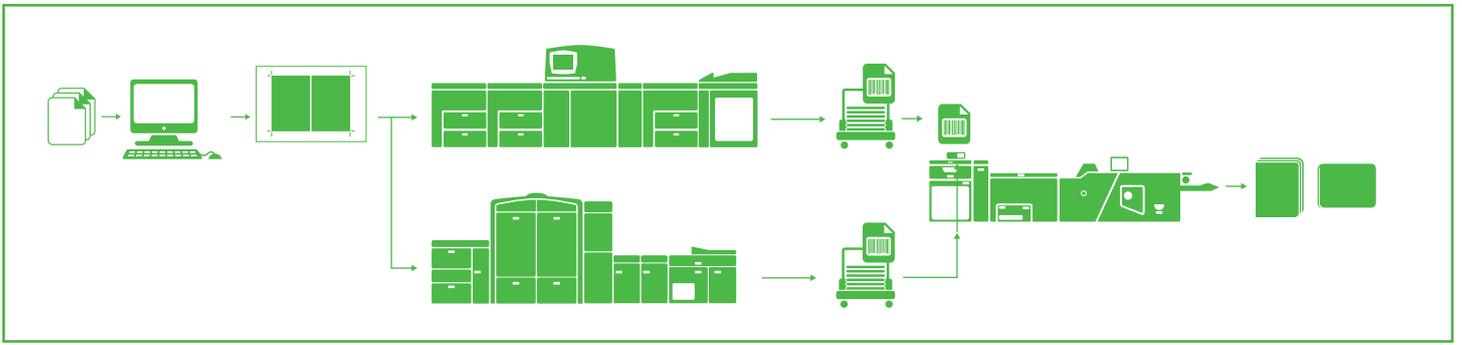


When the Dual-Mode Sheet Feeder is attached directly to a Xerox® production print engine and an inline finisher, you can automatically switch between inline or offline workflows – no operator intervention is required.

The Dual-Mode Bourg Sheet Feeder (BSF) can also be used as input to an offline booklet maker. A handheld scanner is used to read a barcode from a job-specific banner sheet that prints and travels with the printed stacks. The barcode is used to retrieve JDF information required for finishing. This ensures that the finisher is automatically configured correctly for every job.

The Dual-Mode BSF works with the entire Xerox® production fleet of engines. It combines the benefits of an inline booklet maker (as configurations permit) with the convenience and cost-effectiveness of a shared offline finisher.





### The Flexibility of Automatic Offline Finishing

With this option, you can use Xerox® FreeFlow® Core to distribute the time and labour savings of automatic setup among multiple print engines. Your printers output booklet jobs to stack carts as usual, with the addition of a barcoded banner sheet matched to each job.

At the finisher, an operator simply delivers a stack cart to the Dual-Mode BSF, scans the barcode with the handheld reader, presses “Start” and walks away to perform other tasks.

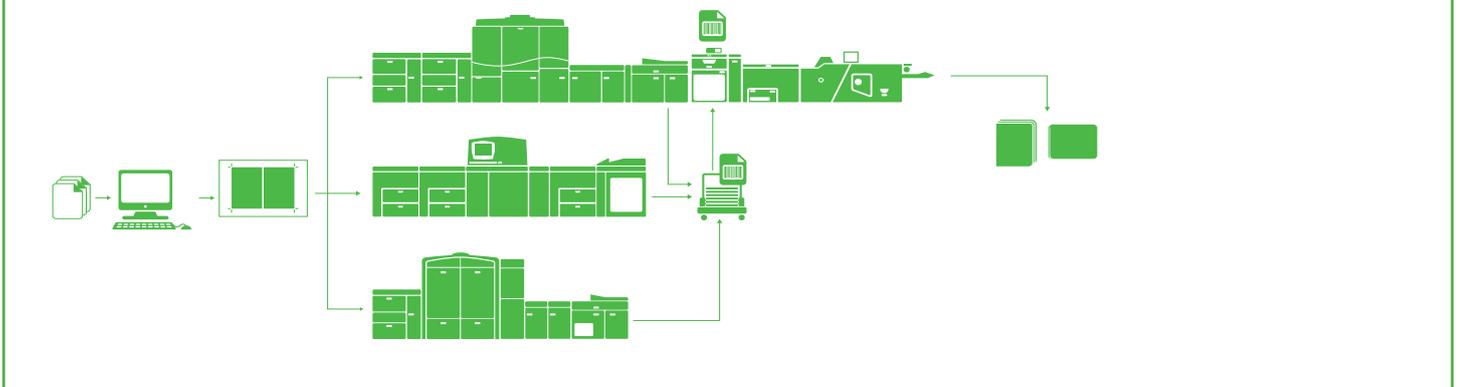
If the optional internal barcode reader is used, the operator can load the stack with multiple jobs, which may have different finishing requirements. Based on the JDF information, the sheet feeder will scan the banner page barcode, retrieve job information and finish the job all while feeding sheets from one or more trays. The internal barcode also enables finishing of variable length booklets that have been prepared with FreeFlow Core. The sheet feeder is even smart enough to suspend the job and alert an operator if covers are missing.

### The Best of Both Worlds with Automatic Inline Finishing Combined with Automatic Offline Finishing

For the ultimate in convenience and flexibility, this option enables automation of both inline and offline jobs using the BSF in its dual-mode capacity. The printer to which the finisher is connected can print non-booklet jobs to its stack cart even while the booklet maker is producing booklets from other engines.

Suppose you receive booklet jobs such as provider directories or benefit booklets. The jobs will be automatically prepared for printing and sent to a printer directly attached to the booklet maker, where the booklets are created without operator intervention.

You could also receive a calendar job. The system understands the required prepress and layout procedures and performs them automatically. Once this process is complete, you can then send that job to a different printer where it will be printed to a stack cart, along with a barcoded banner sheet. You can simply wheel the stack cart over to the printer that hosts the booklet maker, scan the barcode and the calendars are finished. The dual-mode feature provides automation for inline or offline configurations and is compatible with FreeFlow® or EFI® Fiery® print servers. It’s the ultimate in asset utilisation.



# Efficient, On Demand Perfect Binding

When used as part of the Xerox® IntegratedPLUS Finishing Solution, book binding is as simple and error free as scanning a barcode. Barcode readers on perfect binders and trimmers enable streamlined and automated setup for optimised short-run book production. Finishers that are part of the Xerox® IntegratedPLUS Finishing Solution include the C.P. Bourg® 3002 Series of Perfect Binders with the Challenge® CMT trimmers and the Standard Horizon BQ Series of perfect binders with the HT Series of trimmers.

## Automated Job Preparation

The Xerox® IntegratedPLUS Finishing Solution can automate book production from prepress through finished product. During prepress, Xerox® FreeFlow® Core automates job preparation functions including imposition and the creation of matching banner sheets. The sheets contain Job ID barcodes that provide unique job setup information to the finishers. FreeFlow Core submits both covers and content pages for simultaneous printing, so covers and book blocks are efficiently stacked in the sequential order for proper matching from job to job. This effectively eliminates “work in process”. This level of automation is especially important when processing significant quantities of book orders per day, regardless of the quantities of books per order.

Xerox® FreeFlow Core, combined with our partners' solutions, will streamline perfect-bound book production to help you maximise productivity and profitability.



## Automation to Fit Your Needs

The C.P. Bourg 3002 Series of Perfect Binders (BB3002/BB3102/BB3202) offers customers a highly automated solution aimed at minimising the time and cost of book production, even for short runs. The flexibility of the Xerox® FreeFlow Core prepress automation software and the speed of these binders make it possible to produce a wide variety of soft-cover-bound books from digital print streams with minimal operator intervention.

At the heart of the solution is FreeFlow Core's ability to directly control automated finishing workflows. It seamlessly connects order-entry systems to simple automated prepress functions. FreeFlow Core also powers the sheet level integrity and cover/book block matching capabilities of the Bourg systems as well as automated trimmer setup with the Challenge CMT 130/330. When configured with the Challenge CMT 130 or 330 trimmers, the Xerox® IntegratedPLUS Finishing Solution delivers a highly automated full-bleed workflow – with reduced touchpoints from sheet to book. For the first time, cut-sheet stacks from the BSF can be matched with preprinted colour covers with little or no operator intervention.

Xerox and our partners have collaborated to create a powerful offline perfect-bound book solution featuring minimal operator involvement, increased efficiencies and incredible user-friendliness.

## Flexible Perfect Binding

The Standard Horizon BQ-270V single-clamp binder offers high-quality production perfect binding with fully automated operation, push-button simplicity and on-demand production of variable thickness books. It's flexible, so it can handle a wide variety of stocks and coatings. It's efficient, so a single operator can produce up to 500 books per hour.

The Standard Horizon BQ-470 fully automated four-clamp perfect binder is easy to operate, with minimal operator training required. It produces up to 1,350 perfect-bound books per hour. The BQ-470 can bind books up to 65mm thick and can support both EVA and PUR adhesives. This production-class binder is designed for short to medium run-lengths. Its automated features enable fast changeover between setups.

The optional trimmers include the offline HT-30C Three-Side Trimmer featuring automated job setups and quick changeovers and the HT-80 Three-Knife Trimmer that can be used inline with the Standard BQ-470 perfect binder or offline with either perfect binder.

With the Standard Horizon binders, FreeFlow® Core delivers a JDF description of the job to Ultimate Bindery. Ultimate Bindery validates the JDF description against the binder's requirements and generates finishing instructions that are used by pXnet-lite to automatically configure the perfect binder and the trimmer.

## The pXnet-lite bindery control system for digital production printing offers enhanced automated offline workflows for Xerox® FreeFlow® devices.

As part of FreeFlow Core, the new pXnet-lite features simple, automated setup of your JDF-enabled Horizon finishers. Finishing instructions for each job are automatically converted to JDF, stored and then retrieved at the finisher by scanning the barcode on the banner sheet that accompanies the print job. pXnet-lite can support multiple JDF-enabled finishing devices.

Customers can grow with the solution to the full-featured pXnet as needed. Horizon pXnet-lite delivers the automated finishing setups you need today for profitable short-run production, integrated within your existing Xerox® workflow.



# When Inline Booklet Making Pays for Itself

## The Convenience of Inline Finishing

As run sizes get closer to one, inline finishing can be the most cost-effective option. The IntegratedPLUS Finishing solution's enhanced automation makes a true one-touch workflow possible. The solution uses job ticketing and JDF control supported by a wide range of Xerox® production printers and finishers. During prepress, FreeFlow® Core takes care of job

imposition and preflight tasks. It even sends a complete job-ticketed, ready-to-print PDF file to the print server without any operator intervention. Press sheets then pass directly from the printer to the booklet maker, along with the JDF data required for automatic finishing setup. Other than loading paper and unloading booklets, the operator is free to take care of other tasks and let the IntegratedPLUS Finishing Solution handle the details.

## Horizon ColourWorks PRO/PRO Plus

The Horizon ColourWorks PRO and the Horizon ColourWorks PRO Plus are compact multifunctional finishers that perform booklet making, creasing, bleed trimming, folding, stitching and stacking. This finishing system performs corner, side and centre stapling along with booklet folding and face trimming. Finished booklets are delivered to a motorised integrated vertical stacker.

## Plockmatic Pro 50/35 Booklet Makers

The Plockmatic Pro 50 or Pro 35 Booklet Maker is the production inline option for professional users who require booklets of highest quality at rated speed – including the option to add colour covers. The Pro 50/35's compact design allows customers to choose only the modules they need based on their applications. It can also be used as a walk-up device in offline mode. A small footprint saves floor space and enables a smooth workflow environment delivering booklets with a professional look and feel at an affordable cost.

## C.P. Bourg® BDF-e and BM-e Booklet Makers

Now you can stitch, fold and trim while producing booklets and other finished documents faster, at full press size and with guaranteed set integrity for zero waste. With the award-winning C.P. Bourg E-Series Booklet Makers on your line, creating anything from CD jackets to oversized stitch-fold-trim booklets and calendars in quantities of one to thousands, on demand, is achieved automatically.



# Eliminate manual slitting, cutting and creasing setup when finishing a wide variety of full-bleed applications with the Duplo<sup>®</sup> DC-646 and 645

Effortlessly produce a wide variety of applications such as brochures, flyers, greeting cards, postcards and business cards when using the JDF-enabled Duplo DC-646/645 Offline cutter/slitter/creaser with the Xerox<sup>®</sup> IntegratedPLUS Finishing Solution. The DC-646/645 provides unparalleled versatility to slit, cut and crease documents in a single pass at 26 sheets per minute.

## Ease of Operation

The Xerox<sup>®</sup> IntegratedPLUS Finishing Solution automates production from prepress through printing and finishing. As part of the automated prepress, Xerox<sup>®</sup> FreeFlow<sup>®</sup> Core automates job preparation, including imposition and creation of a job banner sheet. The banner sheet, which accompanies each job, includes operator instructions on how to load the job into the finisher. It also provides the name of the job for easy identification in the Duplo JDF console.

FreeFlow Core then delivers a JDF description of the job to Ultimate Bindery. Ultimate Bindery validates the JDF description against the finisher's requirements, and translates and enhances the job description to create finishing instructions for slitting, cutting and creasing operations.

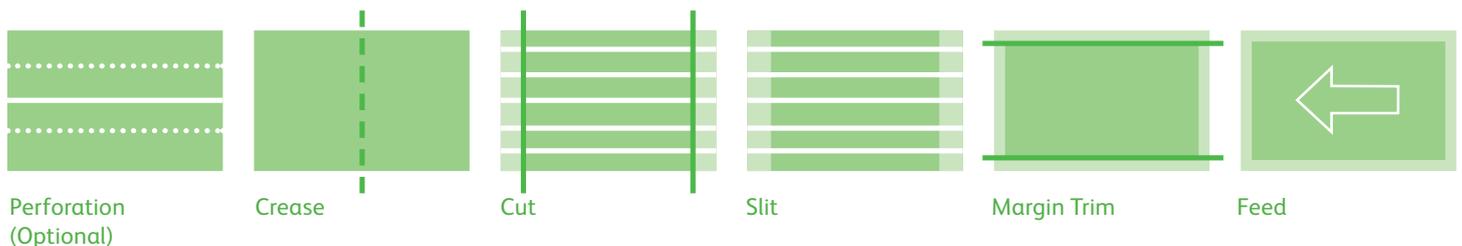
## Consistent Accuracy

To finish a job, the operator simply loads the stack in the feeder per instructions printed on the banner page and releases the matching job in the Duplo console. Instead of requiring an operator to inspect every job and define the placement for each cut, crease and slit, the finisher setup is automatically performed based on JDF instructions.

This flexible and efficient finisher helps maximise productivity and reduces the chance of operator error.

## Versatile Productivity

The DC-645 is capable of performing 6 slits, 15 cuts and 10 creases per sheet to maximise productivity. The finisher can accommodate substrates up to 350 gsm as well as larger sheet sizes. It's fast and it's designed for heavy-duty production environments. Optional modules for additional applications are also available.



Feed Direction =

# Turn your finisher bottlenecks into profit-building opportunities.

Start managing a diverse mix of finishing requirements and short print runs, without dedicating a finisher to just one engine.

Only Xerox gives you this unique opportunity to optimise your investment and your operation with end-to-end automation, not just automating prepress but finishing operations as well.

- Xerox® FreeFlow® Core eliminates manual programming and skilled labour normally required for job setup and finishing options and reduces the risk of error because the necessary parameters (such as page imposition, page ordering and trimming) are set automatically when a job enters your workflow.
- The Dual-Mode Bourg Sheet Feeder combines the convenience of inline finishing with the flexibility of offline finishing so you can share one finisher with multiple printers including Xerox® and non-Xerox printers, in the same shop.
- With the Xerox® IntegratedPLUS Finishing Solution, you get the best of both finishing worlds – the convenience of inline with the flexibility of offline, plus unsurpassed labour savings. And, it's compatible with a number of devices across the production fleet for both FreeFlow® and EFI® Fiery® print servers.
- The IntegratedPLUS Finishing Solution is backed by a worldwide professional services team, trained and ready to make the most of your investment. This team includes experienced systems architects, programmers and consultants, plus dedicated integration engineers available to provide a wide range of services and training.

Produce perfect-bound books, saddle-stitched booklets, greeting cards, postcards, business cards and more with Xerox plus prepress and finishing partners.

