RICOH TotalFlow® BatchBuilder

Production Printing Solutions

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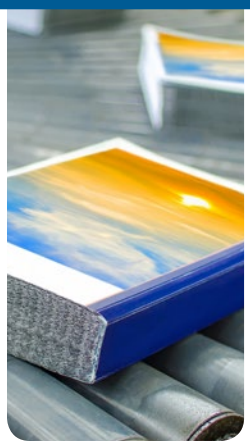
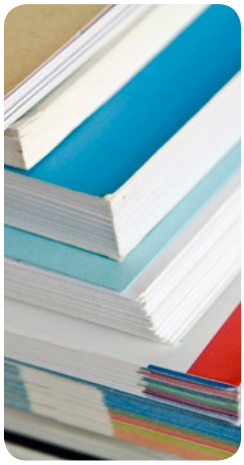




Streamline Your Workflow with Intelligent Job Batching.

Welcome to the reality of short runs

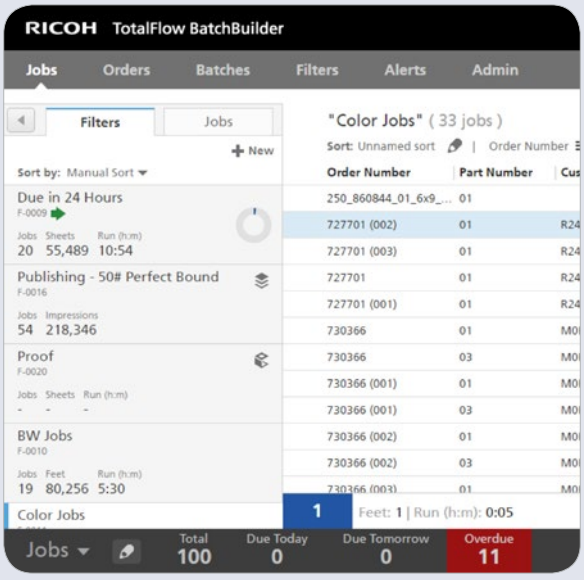
Print-on-Demand (POD) and book printers are struggling to keep up with the sharp increase in demand for one-offs, short-run jobs and personalization. A high volume of small jobs can overwhelm staff members, as well as the legacy or custom workflow systems, that manage production.

Mixed-application jobs further complicate the situation, because they may involve roll-fed and cutsheet printers, or a combination of both, from different vendors and laborious setups for finishing and binding. Fortunately, RICOH TotalFlow® BatchBuilder can simplify and automate many steps in short-run digital and book production, increasing efficiency and profitability.

Organize orders & batch jobs

TotalFlow BatchBuilder is an easy-to-install, vendor-neutral software that organizes incoming orders from multiple sources and produces them efficiently based on job criteria. Incoming jobs can be preflighted and "batched" based on a wide variety of variables, such as due time or paper type, helping to ensure jobs are grouped in the way that's best for you, your shop, and your deadlines. With the use of combination filters, book printers can be assured that the integrity of their orders flow through the system and are batched together for easy tracking. Additionally, the graphical dashboards provide a refined view of multiple jobs that can be downloaded as a .csv file for use elsewhere, making following jobs' progress easier than ever.

Through batching, you can save time, increase throughput, improve printer utilization, and reduce setup time for bindery and finishing steps. TotalFlow BatchBuilder also can provide roll management capabilities, and it can serve as your production management queue for a web-to-print (W2P) system.



Users have the ability to manage filters for batching as well as jobs already batched and ready to print.

Simplify job ticketing and scheduling

Order-generating systems like MIS, W2P portals, homegrown platforms, and prepress systems can communicate production information to TotalFlow BatchBuilder using XML, JDF or CSV. This boosts efficiency from the start by addressing a common integration gap. Or you can use TotalFlow BatchBuilder with PDF by submitting jobs into hot folders.

With the use of third-party mapping software, TotalFlow BatchBuilder applies job ticket mapping to automate the scheduling process. As jobs arrive, the software maps job ticket information from XML and then maps it out again in XML, JDF, or CSV as device-specific job ticket data. You can easily integrate both upstream systems and downstream multivendor output devices. You can use the third-party software we recommend or your own mapping software, or ask our Professional Services team to create the mapping function for you.

Streamline job submission

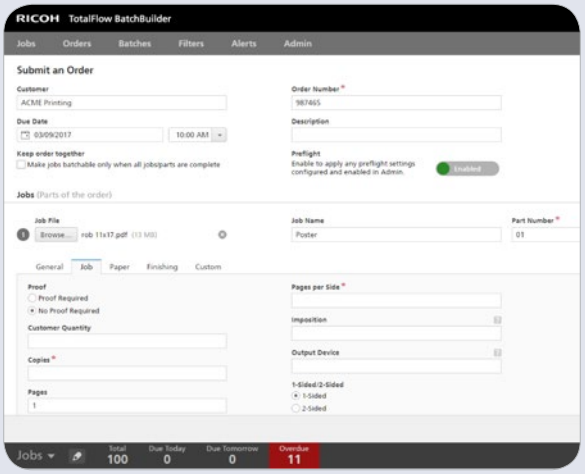
For ticket-less jobs that are considered repeat orders, TotalFlow BatchBuilder automates the ticketing. The software creates one or more local or remote hot folders with different job attributes. As a result, you can batch these jobs and eliminate touch points in your workflow.

When you submit PDF jobs manually, TotalFlow BatchBuilder allows you to enter ticket information, including quantity, imposition, media, and other criteria, in the job window.

Proceed from submission to production seamlessly, as TotalFlow BatchBuilder can automatically preflight jobs using business rules to detect errors and avoid reprinting. These rules can also work to fix issues and optimize files automatically to save time and increase productivity.

Product Highlights:

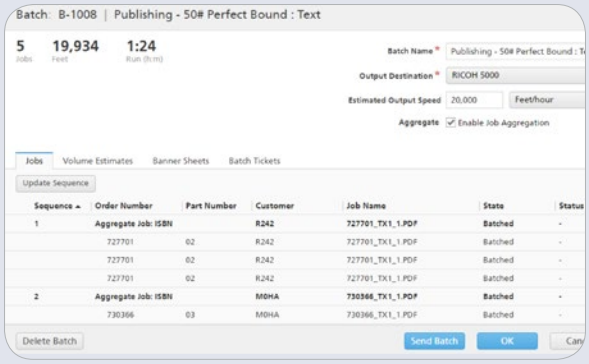
- Creates efficient short-run digital workflow by preflighting and then grouping incoming jobs into batches
- Provides instant views of jobs that meet specific job properties, and by using the dashboard or filter/batch views, you can make decisions on volume metrics and create scheduling scenarios
- Enables you to edit orders and job properties and to create custom attributes, such as specific production requirements needed by finishing devices
- Leverages industry-standard tools that help you integrate customized systems
- Lets you move queued batches from one output device to another
- Provides vendor-neutral support for continuous feed and cutsheet devices
- Monitor and manage easily with a browser-based interface that enables manual job submission, workflow tracking, error- and issue-alerts via email or in-UI popups, and barcode-enabled status and location updates
- Enables users to batch covers via publishing-driven workflow options and then automatically batches the corresponding text blocks to keep order integrity and automate production



Provides users with an intuitive interface for job ticketing.

Expedite how you prioritize and manage work

Prioritizing jobs manually takes a lot of time. TotalFlow BatchBuilder automates this task with scenario scheduling. The software filters jobs based on document size, paper size, finishing styles, deadlines, customer name and more. You can create filters using full automation, or semi-automation. Filtering also allows you to track the volume of work when you apply criteria such as number of jobs, sheets, or run times.



Using job attributes and priorities, users are able to prioritize jobs automatically.

Manage batches your way

TotalFlow BatchBuilder gives you complete control of how and when jobs are produced, from order entry to imposition (through integration with Ultimate Impostrip®) all the way on through finishing, so you can be flexible to meet changing customer needs and stay on top of deadlines. It's up to you whether to route batches manually, automatically or semi-automatically, and to define the output device-specific criteria. For example, you might want to send a batch only after it reaches a certain number of sheets or adjust batches by removing or adding files.

Based on customer demands users have the ability to adjust when and how jobs are printed and finished.

Similarly, too often, book printers receive multiple different orders for the same title, to be printed the same way and they may not even realize it. Orders are usually tracked manually in a spreadsheet to help identify patterns like ISBN or SKU. The greater the volume of orders, the more manual labor there is to bringing the correct orders together. With TotalFlow BatchBuilder, book printers can send a single file comprising all quantities from all the orders to the printer, then reconcile during finishing or shipping. The days of finishing one run of a book only to turn around and have to set everything up for another run of the same book an hour later are coming to an end!

Log in. Oversee everything.

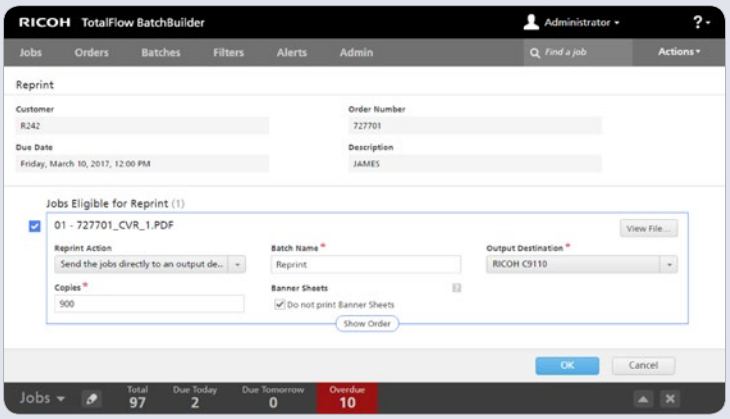
Thanks to the browser-based user interface, you can see all work in your shop as well as metrics that assist with continuous improvement efforts and job accounting. For example, TotalFlow BatchBuilder provides instant views of all jobs that meet specific job properties based on printing, finishing, paper and fields you define.

In addition, there are metrics for total hours of work in a particular department and the number of rolls of paper used. The PDF viewer enables you to open and view files (as single pages or imposed) or download them. You can also measure distances, zoom in and out, and approve or reject imposed jobs. TotalFlow BatchBuilder also gives you a view of the time and media that are required to produce a batch of jobs, so you're armed with information that helps you manage your overall workload and materials inventory.

Manage orders for tracking and shipping purposes

After the jobs in an order are split and printed in different batches, you need to bring the jobs back together, track them and collect them for shipping. TotalFlow BatchBuilder uses batch tickets or banner sheets to indicate jobs and their associated orders. Operators can easily check on the status and location of an order and see in which batches the elements are located by leveraging custom barcodes available on the batch tickets or banner sheets.

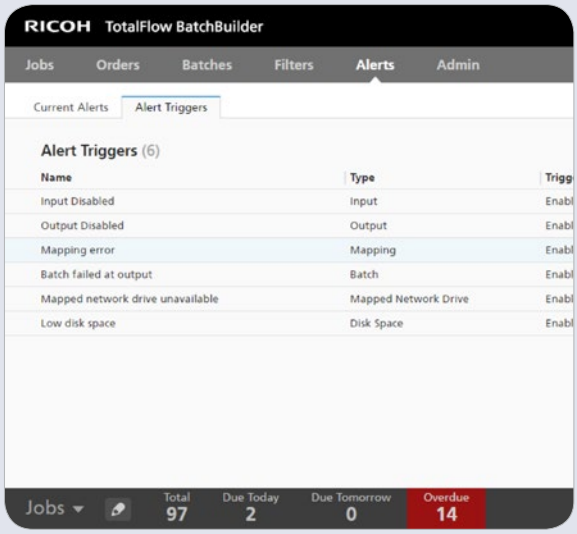
When something goes wrong in production, reprinting can be a time-consuming process. Not anymore. By simply scanning a barcode or entering the order number, you can reprint some or all of an order quickly and easily.
With TotalFlow BatchBuilder, you can quickly find what you need and resubmit a new quantity, imposition requirement and even print destination, helping stay accurate and on deadline.



Job management and status enables users to better manage their operations.

Alert! Take action right away.

Knowing immediately when there's a problem can save time, help you meet service level agreements and minimize the fall-out from errors. The triggers you can set in TotalFlow BatchBuilder send alerts for mapping inconsistencies, input/output errors, batch and imposition errors, imposition and proof reviews, mapped network drive errors, mismatches for specific filter requirements, duplicate orders, low disk space, preflight errors, jobs waiting for files or incomplete, barcode scan errors, and impending due times for orders and jobs. You can view the notifications on the job, order and alert tabs of the user interface, or have them sent directly to your email, making it easier than ever to stay on schedule. In addition, you can see the number of batched jobs associated with the order in question, as well as the jobs and batches.



Alerts ensure that operators are aware of issues as they arise and can respond quickly.

Know you can grow at your speed

Our customers who operate commercial or book printing shops have helped us design and develop TotalFlow BatchBuilder with integration as a core requirement. As a result, you can feel confident that the software addresses your business priorities in a way that is unique in the industry.

TotalFlow BatchBuilder is ideal for shops using as few as two or three cutsheet devices all the way on up to shops that use numerous cutsheet and continuous feed devices. Whether you have a cover-driven workflow for books or need to stay on top of your due times, TotalFlow BatchBuilder can help automate your workflow. Start with the base or choose optional features that add preflight, automation capabilities, additional outputs to multivendor devices, integration with workflow software, mapping of vendor equipment, disaster recovery capabilities and more, crafting a custom management solution that's right for you.

Eliminate manual batching and queue management

When your staff manages batches and queues manually for all of your digital devices, throughput and accuracy may suffer. Add Ricoh TotalFlow BatchBuilder and one of Ricoh's digital inkjet devices to your operation to:

- Raise page volume across mixed applications
- Reduce errors by eliminating the rekeying of information in multiple locations
- Improve visibility and manage deadlines
- Integrate with Ultimate Impostrip to make imposition quick and easy

Add roll management capability

When you use a continuous feed inkjet system, TotalFlow BatchBuilder allows you to set thresholds within a filter. For example, you have a 40,000-foot roll of a particular stock and you want to accumulate enough jobs to fill the roll. As soon as your roll's worth of jobs are ready, the batch can be sent to the printer automatically.

Add Workflow Automation

TotalFlow BatchBuilder works seamlessly with third-party applications and Ricoh's workflow products to further improve print operations. Need to track individual documents for compliance or reporting purposes? Send batches to RICOH ProcessDirector™ workflow software. Looking for an easy way to balance cutsheet workloads? Use RICOH TotalFlow® Production Manager.

Ricoh TotalFlow BatchBuilder at a Glance

System Requirements	OS	Edition	64 bit (x64)	Notes
	Windows® 7 (SP1)	Professional, Enterprise, Ultimate	⊗	Adobe Acrobat Reader version 10 or higher
	Windows 8	Professional, Enterprise	⊗	Adobe Acrobat Reader version 10 or higher
	Windows Server 2008 (SP2)	Standard, Enterprise	⊗	Adobe Acrobat Reader version 10 or higher
	Windows Server 2012	Standard	⊗	Adobe Acrobat Reader version 10 or higher
	Windows 10	Professional, Enterprise	⊗	Adobe Acrobat Reader version 10 or higher
Computer	• CPU: quad core processor 2.7 GHz or higher • Main memory: 8 GB RAM			
Hard Disk	• 500 GB of available space is recommended for the initial installation; depending on usage, up to 1 TB. An SSD-type hard disk is recommended for better performance.			
Display	• 1280 × 1024 pixels or higher			
Web Browser	• Supported web browsers include Internet Explorer 10 or later (does not run on Windows XP), Mozilla Firefox 19 or later, Google Chrome 21 or later, Safari 5 or later, Microsoft Edge			
Base Product	Ricoh TotalFlow BatchBuilder • XML Input/Mapping • Filters • Orders/Job Management • Batch Management • Custom Fields • Command Line Execution for Outputs • Order Aggregation • Triggers and Alerts • Manual Job Submission • PDF Viewer • Five Outputs Included • Dashboard • Barcodes • Banner Sheets • Imposition (Must have Ultimate Impostrip) • PDF/Postscript + Hot Folder			
Optional Features	• Automation Feature • Unlimited Outputs • XML/JDF Output • Preflight • Restricted Use Backup • Notify Add On • Ricoh Process Directory File List Output			

Explore free trial software for a full 60 days*

Download Ricoh TotalFlow BatchBuilder and see how much time and money you can save. Install the software in about 10 minutes and start using it immediately.

For more information **contact your Ricoh production print specialist** or visit **http://rpp.Ricoh-usa.com/products/software/print-manage/Ricoh-totalflow-batchbuilder,** where you can request free, trial software.

**Preflight functionality is only available for the first 30 days of your trial.*

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