



BB3002 PERFECT BINDER SERIES

Automated Book Factory

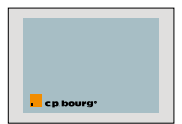
Let's build your Perfect Binder



BB3002 EVA/PUR-C

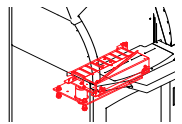
1 GRAPHICAL USER INTERFACE - GUI

The intuitive color GUI is icon-based for user-friendly operation. Ergonomically designed to swing left or right for operator preference. All machines' setups are managed and stored for toolless operation.



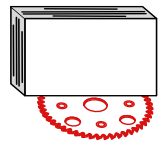
2 JOGGING AND CALIPER

The bi-directional book block jogger aligns and registers the individual book pages. Simultaneously, the carriage clamp/caliper automatically detects the book block thickness and instantly sets up the binding processes and cover creasing, ensuring the delivery of high-quality finished books.



3 MILLING

Powerful motor-driven milling blade with up to four notching knives that prepare the EVA or PUR spine of the book block or signatures for optimum glue penetration and adhesion. Milling speed and depth can be adjusted automatically according to book block thickness from 0 to 3 mm (0 to 0.11").



4 EVA/PUR-C GLUING

The EVA Smart tank technology is equipped with dual applicators/cylinders, heated back spinning, and knurled side gluing rollers. Automated glue start-and-stop cutoffs and adhesive tank level indicator. The PUR-C Melter and slit nozzle applicator are economical, automated, and completely sealed from the environment, helping to guarantee that fresh adhesive is precisely applied to every book, minimizing operator intervention, adhesive waste, and daily cleaning. The EVA and PUR-C glue are interchangeable in the PUR-C Melter.



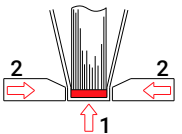
EVA GLUE



PUR GLUE

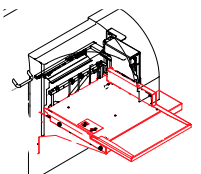
5 CLAMPING/NIPPING

A powerful clamping/nipping module helps precise registration of the cover as it is applied to the book block, producing flat square spines automatically on variable size and thickness books.



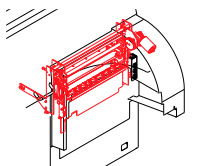
6 COVER FEEDING

The ergonomically positioned cover feeder is directly in the "line of sight" of the operator and features self-adjusting air and vacuum, load-while-run capability, double and miss detection, and a large capacity 80 mm (3.5") with on-board cover askew and registration adjustments.



7 COVER CREASING/SCORING

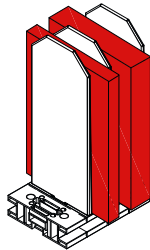
The true knife cover creasing technology helps ensure the cover is not delaminated or skewed. Compared to wheel scoring, knife creasing offers cleaner, superior quality results and avoids the printed surface to be damaged or the cover to be cracked. The BB3002 comes with up to 13 positive and negative creases on the cover, ideal for books with flaps.



ENHANCEMENTS AND ACCESSORIES

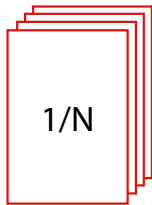
BBL

The Bourg Book Loader—BBL—converts an Offline BB3002 into a unique semi-automated Perfect Binder. It can be left unattended by loading up to 120 book blocks that are automatically fed into the binder. It is tailor-made for book-of-one and book-of-many environments.



BBC

The Bourg Book Compiler—BBC—converts an Offline BB3002 into a fully automated Inline Perfect Binder. It compiles sheets from an Inline digital printer to book blocks that are automatically fed into the binder. It simplifies book production by enabling Web to Finish workflow with minimum operator intervention. The Bourg WalkOver Bridge—BWO—enables the Perfect Binder to run Inline with a left-to-right or right-to-left digital printer.

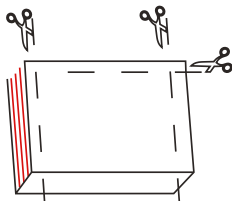


Compiles sheets from page 1 to N or page N to 1.



CMT-330TC and CMT-130TC

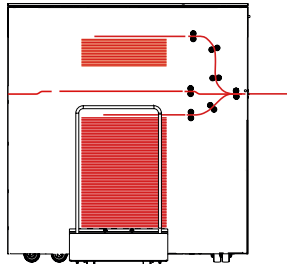
The CMT-330TC/130TC seamlessly trims perfect bound books from the BB3002. The Inline and Offline Trimmer incorporates the most advanced 3-side book trimming technology. It is tailor-made for the fully automated book-of-one trimming environment without performing manual intervention or exchanging clamps.



UPGRADES

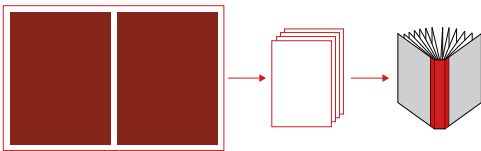
BSF

The industry-first Bourg Sheet Feeder—BSF—combines the best of Offline and Inline finishing with its unique Dual-Mode capacity. The BSF enables multiple printers to share the connected Inline Perfect Binder for maximum finishing asset utilization.



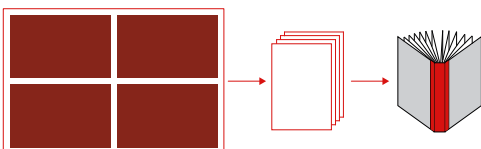
BPM

The Bourg Preparation Module—BPM—is a fully-automated, modular, and scalable sheet preparation unit that vastly simplifies Inline book production. It eliminates manual paper handling by upgrading the book production to a flexible 2-Up workflow.



TANDEM BPM

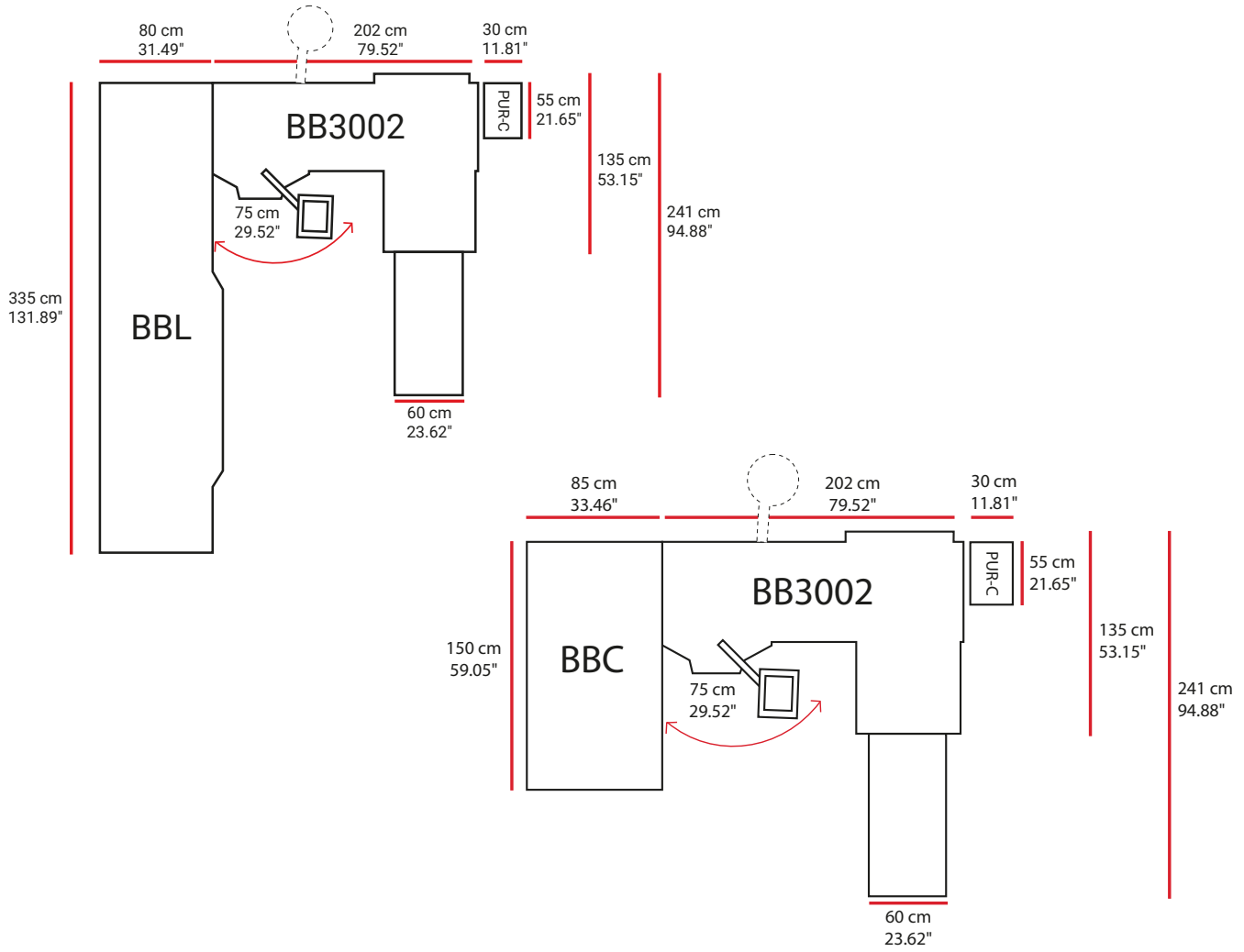
The BPM grows with your business and opens the way to significant economies of scale. The tandem BPM combines the best of automation and flexibility. It upgrades the Inline book creation to 1-Up, 2-Up, and 4-Up workflows and helps to improve productivity without touchpoints.



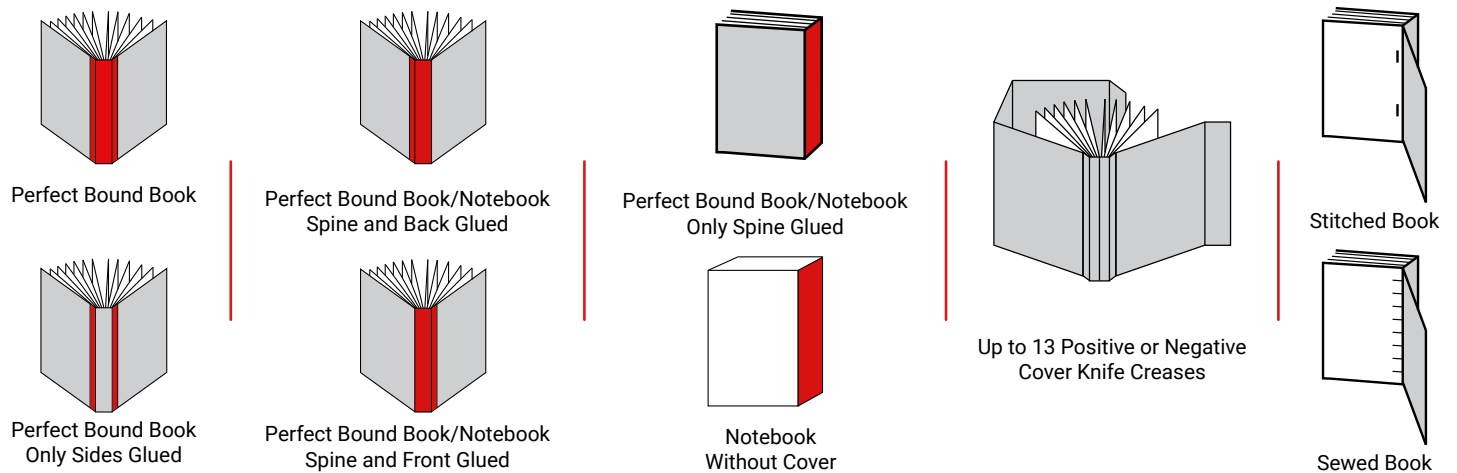
TECHNICAL SPECIFICATIONS

Binding Maximum Productivity	Offline	600 cycles/hour	
	Inline	Inline digital printer speed	
Trimming Maximum Productivity	CMT-130TC	Single Book Mode	200 cycles/hour
		Multi-Book Mode	500 cycles/hour
	CMT-330TC	Single Book Mode	400 cycles/hour
		Multi-Book Mode	800 cycles/hour
Recommended Paper Weight	Content	60 to 160 gsm	
	Cover	80 to 300 gsm	
Milling Depth		0 to 3 mm (0 to 0.11 in)	
BBR Capacity		700 mm (27.56 in)	
Standard Features	Internal fumes extractor		
	Fully programmable weekly timer		
	Double cover detection		
	Enhanced paper dust extractor kit		
Options	Barcode readers for book integrity		
	Spares Kit		

DIMENSIONS

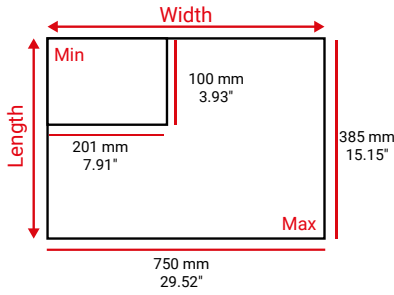


PAPER PATH PROCESS

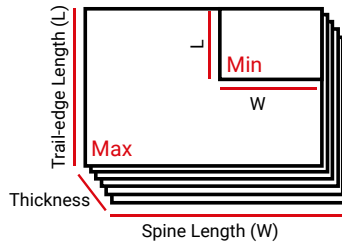


MEDIA SIZES

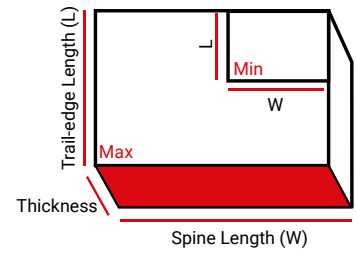
Cover



Book Content



Padding Mode*



* Padding mode is not available with PUR version due to cure time

Binding		Book Content / Padding Mode (L x W)		Book Thickness	
BB3002	Min.	90 x 60 mm (3.54 x 2.36")		1 to 60 mm (0.04 to 2.36")	
	Max.	320 x 385 mm (12.59 x 15.15")			
BBL	Min.	127 x 195 mm (5 x 7.67")			
	Max.	320 x 385 mm (12.59 x 15.15")			
BBC	Min.	139 x 195 mm (5.47 x 7.67")			
	Max.	320 x 370 mm (12.59 x 14.56")			
Inline Trimming		Input (L x W)		Output (L x W)	Book Thickness
CMT-130TC	Min.	Single Book	171 x 178 mm (6.75 x 7")	102 x 148 mm (4.01 x 5.82")	2.5 to 51 mm (0.1 to 2")
		Multi-Book	178 x 178 mm (7 x 7")		
	Max.	241 x 330 mm (9.5 x 13")		229 x 305 mm (9.01 x 12.01")	
CMT-330TC	Min.	Single Book	203 x 178 mm (8 x 7")	100 x 148 mm (3.93 x 5.82")	
		Multi-Book	229 x 178 mm (9 x 7")		
	Max.	330 x 330 mm (13 x 13")		328 x 307 mm (12.90 x 12.10")	



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