



c.p. bourg®

Your Partner in Print Finishing

Print Finishing Solutions

**Bourg BSF In-Line with
Watkiss PowerSquare™ 224**



Overview

The Bourg BSF In-Line with the PowerSquare™ 224 is an innovative complete booklet making system for high production environments of on demand booklets. This solution combines the three processes of stitching, form folding, and trimming to produce SquareBack™ booklets. As an added advantage, printed sheets require not handling between these processes.

For customers hesitating between Off-Line and In-Line finishing, this dual mode solution offers the best of both worlds. It allows multiple printers to share one finishing device. Positioned In-Line between a printer and the finishing equipment, the Bourg BSF In-Line with the PS224 allows digital and offset print shops with different printers to easily merge job production using the Dual-Mode (by shifting between In-Line and Off-Line/Near-Line modes), achieving productivity increases while maintaining integrity of collated output.



- 1 Fully automated SquareBack™ booklet solution
- 2 Compatibility with over 25 carts from Canon/Océ, HP Indigo, Xerox, Kodak, etc.
- 3 Dual-feeding stations
- 4 Produces incredibly thick booklets: up to 56 sheets / 224 booklet pages or 10, 4 mm (4.09 in)
- 5 Heavy duty side-loading stitch head
- 6 Inserts 1 to 6 stitches
- 7 Fast and precise set-up with the color touch screen panel
- 8 Dynamic booklet making with automatic-adjustment for variable page counts from 1-56 sheets
- 9 Small footprint & ergonomic design
- 10 Instant-on, no warm up time
- 11 Barcode capability 1D and 2D (optional)

FOR TECHNICAL INFORMATION, GO TO PAGE 4



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Key benefits

FLEXIBLE IN-LINE SOLUTION

The Bourg BSF In-Line with the PS224 offers three modes of operation for greater job flexibility:

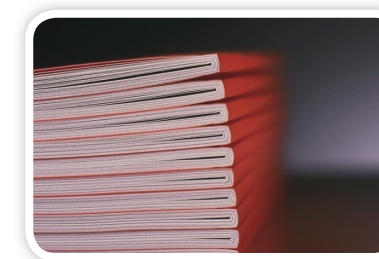
- 1 **In-Line operation** : automatic flow of sheets from the printer through the BSF and into the PS224, without any operator intervention. Sheets, such as laminated covers, may be inserted via the BSF during the In-Line process;
- 2 **Off-Line/Near-Line operation**: autonomous running of the PS224 while the printer is turned off or performing other tasks;
- 3 **Dual-Mode** enables your in line finisher to operate off-line. This feature allows your printer to pass sheets to the attached In-Line PS224 directly or your in-line PS224 can accept stacks of printed material from other printers via the BSF. The system will run for up to an hour unattended.

The BSF In-Line with the PowerSquare™ 224 can be connected to a large number of printers: Canon/Océ, Kodak, Xerox, etc. (for more details, see the website)



SQUAREBACK BOOKS

The finished SquareBack™ booklets lie flat and are easy to pack, stack and handle. There is no risk of loose pages and you can print on the spine.



EASY TO USE

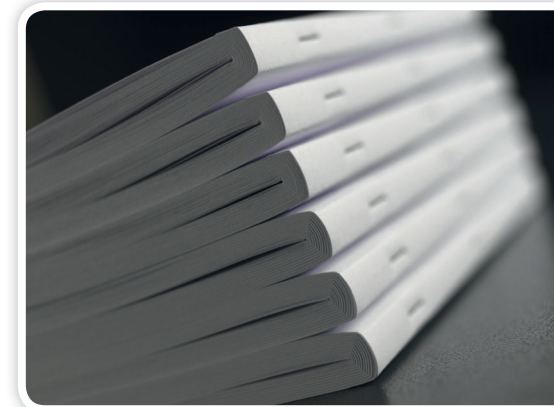
The Bourg BSF In-Line with the PowerSquare™ 224 is extremely easy to use. Simply enter the fully stacked trolley in the BSF, enter the job parameters (paper size and number of stitches) into the touch-screen and press 'start'.

This solution automatically sets the stitch position, the wire draw length (the stitch leg length), the amount of spine form required and the trim dimension. To make repeat jobs easier still, you can save the settings, each with a unique name, for instant recall when required.

This solution requires less capital outlay since two machines finish virtually all production. It has the added advantage that printed sheets do not need any manual handling between different finishing devices.



Example of what the BSF In-Line with the PS224 enables you to do





BOURG BSF IN-LINE WITH WATKISS POWERSQUARE™ 224

Media (in near-line mode with the bsf)

Productivity	A4 (long edge feeding): up to 10,860 sheets/hour A4 (short edge feeding) up to 8,640 sheets/hour A3 up to 6,700 sheets/hour SRA3 up to 6,350 sheets/hour
	Inter-set gap: 1 second Minimum set time: 4.2 seconds
Drawer capacity of the BSF (pile height)	140 mm (5.51 in)
High pile capacity of the BSF (pile height)	500 mm (19.68 in)
Minimum input size	200 x 203 mm (7.87 x 8 in)
Maximum input size	364 x 500 mm (14.33 x 19.68 in)
Minimum rotation sheet size	207 x 200 mm (8.15 x 7.87 in)
Maximum rotation sheet size	320 x 227 mm (12.59 x 8.93 in)
Paper weight	60 to 300 gsm
Minimum set thickness	1 sheet (folded only) 2 sheets (makes an 8 page booklet)
Maximum set thickness	5,2 mm (0.20 in)
Maximum finished booklet thickness	10,4 mm (0.41 in)

STITCHING

Number of stitches	1 - 6 stitches evenly spaced on the spine of the booklet
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TRIMMING

Maximum face trim	Maximum face trim
Minimum face-trimmed book size	Minimum face-trimmed book size
Maximum side trim (optional)	Maximum side trim (optional)
Minimum side-trimmed book size (optional)	Minimum side-trimmed book size (optional)

Physical

Dimensions of BSF (L x W x H)	133 x 97,3 x 131,6 cm (52.36 x 38.30 x 51.81 in)
Dimensions of PS224 with standard stacker (L x W x H)	187,5 x 167,5 x 133 cm (738.19 x 659.45 x 52.36 in)
Dimensions of PS224 with PBS Book Stacker (L x W x H)	242 x 177 x 133 cm (95.27 x 69.68 x 52.36 in)
Dimensions of PS224 with PBS Book Stacker and P2T 2-Kinfe	243 x 170 x 133 cm (95.67 x 66.92 x 52.36 in)
Weight of BSF	470 kg (1036.17 lbs)
Weight of PowerSquare 224 (with stacker and connecting bridge)	587 kg (1294 lbs)
Weight of PowerSquare Book Stacker	150 kg (330 lbs)
Weight of PowerSquare 2 Knife trimmer	300 kg (660 lbs)

Electrical

Dimensions of BSF (L x W x H)	120V ±10%, 60Hz, 10.5A 230V ±10%, 50Hz, 6.5A
Power supply of PowerSquare 224	200/208/220/230/240V, 50/60 Hz, 4.0A
Power supply of PowerSquare Book Stacker (optional)	230V, 50/60 Hz
Power supply of PowerSquare 2 Knife trimmer (optional)	230V ±10%, 50/60 Hz, 5.0A

Options / Accessories for the BSF

Trolleys / carts / pallets
IFB reject tray
GUI (touch screen interface)
Barcode
Docking DFA
Registration plate
First Aid Kit
Bourg Box Communication Interface

Options / Accessories for the PS224

Book Stacker
Knife trimmer
Connecting bridge

Connectabilities for the BSF + PS224

Canon printers: iR110VP, iR110VPe, iR125VP, iR125VPe, iR138VPe, iR150VP and iR150VPe

Kodak Printers: Kodak Digimaster EX110, EX125, EX138, EX150 and EX300

Konica Minolta Printers: Bizhub PRO 1600P, 2000P and 2500P

Océ Printers: Océ VarioPrint 2000, 4000 and 6000 series

Xerox Printers: Xerox Nuvera™ 100 / 120 / 144 EA Digital Production System and Xerox Nuvera™ 200 / 288 Digital Perfecting System



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