

New Near-Line **BSF** Bourg Sheet Feeder For **BDF** & **BME** Booklet Makers



CP Bourg BSF(Sheet/Cover Feeder) and BDF(Bourg Document Finisher)



CP Bourg BSF (Sheet/Cover Feeder) with BCM(Bleed Cut & Crease Module) and BDF(Bourg Document Finisher)

At Drupa 2008 CP BOURG disclosed a new line of products which includes the BSF Bourg Sheet Feeders for near line applications.
CP BOURG is known across the world as "The Print Finishing Experts".

For many years CP BOURG has been active in the production of Collators, Booklet Making Accessories and Perfect Binding Equipment.
They are pioneers in On-Line Finishing, Booklet Making and Perfect Binding with the most prestigious Printer manufacturers such as Xerox, Oce, HP and Kodak.

CP BOURG have developed and manufactured sheet stackers for most of these Printers...

The BSF is the Near Line Feeder of the future.

CP BOURG has used all their experience gained in creating these products and helping users all around the world and is the optimal alternative to On-Line finishing.
It combines sheet feeding speeds much better than the printers with the capability to use the Cart, Dolly or other receiving device in your printer.

The full stack can be loaded into the BSF without risky splitting manipulations.
The Near Line finisher combines the BSF with the proven BDF and the all new BME booklet maker. The BDF and BME user interface is used to control the BSF.

Optional Bar Code reader is available for job integrity control and/or job definition control.

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BME

Extra large format stitch, fold and trim accessories.

- ✚ Fully automatic with full colour touchscreen control panel.
- ✚ Folds up to 30 sheets at a time (70 gsm).
- ✚ Available with 1 to 6 standard or cassette wire heads.
- ✚ Topstitch with bypass exit.
- ✚ Takes the largest format sheets up to 370 x 600 mm.
- ✚ Visible, straight paper path.
- ✚ A4 finished landscape booklets are possible.
- ✚ Special feeding allows markless handling of digitally printed sheets.
- ✚ Fully automatic fold roller booklet crusher belt technology.
- ✚ Super heavy duty face trimmer with blower.
- ✚ Square edge spine accessory
- ✚ Fits d+ system.
- ✚ Book kicker standard.



BDF

The most compact high-speed booklet maker

- ✚ Half the length of competitive booklet makers.
- ✚ High speed booklet making with fully automatic adjustment via keypad and LCD display.
- ✚ All functions you could ever want in a booklet maker are available.
- ✚ Top stitch.
- ✚ Corner stitch.
- ✚ Bypass exit.
- ✚ Centre stitch.
- ✚ From 1 to 4 heads.
- ✚ Standard or cassette wire heads.
- ✚ Automatic folding with unique downward fold knife for super accurate positioning.
- ✚ Face trim with waste blower and waste bin full sensor.
- ✚ Square edge spine accessory option.
- ✚ Fits all systems.



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CP BOURG BSF SPECIFICATION

PAPER SIZE AND WEIGHT

Paper Size	LEF Delivery	SEF Delivery
364mm x 571mm	NO	YES
203mm x 254mm	YES	YES
210mm x 297mm	YES	YES
215mm x 279mm	YES	YES
Maximum Size		
	364mm x 571mm SEF	
Minimum Size		
	203mm x 245mm SEF	
Maximum Paper Dimension(cross track at feeder output)		
	364mm	
Minimum Paper Dimensions (cross track at feeder output)		
	203mm	
Max / Min Paper Weight – Uncoated	60 to 300gsm	Monochrome / colour paper coming from Xerox, HP, Xeikon, Kodak, Oce, Canon & Offset
Max / Min Paper Weight – Coated	60 – 300gsm	



STATIONS

Station 1

- Top Station with a capacity of 152mm.
- Centre Registration.
- Using technology same/similar to that of the HP feeder mechanism.
- No "Reload while run Capability" (Inherent to feed technology)

Station 2

- High Pile – Lower Station.
- Bottom Station with 500mm capacity when using Xerox DC5000/7000, Oce HSC0 or Kodak HCSK Dolly/Cart, and when using HP Pallet for 3500/5000/5500/7000 and 350mm for Xerox IGEN 3 stacker carts.
- Centre registration. Operator must manually locate the dolly and move paper stack to get it centred with the feeder mechanism if needed.

- For Xerox IGEN 3 cart, device needs to be added on cart, to enable stack transfer from IGEN to BSF plate. This device reduces stacking capacity of IGEN cart.
- Using technology same/similar to that of the HP feeder mechanism.
- Protected by door and interlock device as used in HCSX (DS5000) stacker.
- Feeder delivered with regular DS5000 type dolly, including device to rotate/move stack if required. (Other configurations possible).
- Option to accept a dedicated tray replacing the high capacity stacker tray(to enable hand loading if required).
- No"Reload while run Capability" (Inherent to feed technology).

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FEED RATE - Depends on the in-track paper size and receiving device input velocity.

In Track Paper Size	BME – 2000mm/s	BDF1850mm/s	BCM 1300mm/s
210mm A4 LEF	15000 Sheets/Hour	14000 Sheets/Hour	12000 Sheets/Hour
297mm A4 SEF	12000 Sheets/Hour	11800 Sheets/Hour	10000 Sheets/Hour
420mm A3 SEF	10000 Sheets/Hour	9700 Sheets/Hour	7900 Sheets/Hour
450 SRA3 SEF	9500 Sheets/Hour	9300 Sheets/Hour	7500 Sheets/Hour



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Your Partner in Print Finishing Equipment

DEVICES FED FROM BSF

- Feeding into BCM BDF & BME and other destinations in future.
- Output Height: 860mm.
- Output Velocity: 1000 – 2000 mm/s

DOUBLE / MISS / JAM / DETECTION

- Miss feed and double feed detection is done by device belonging to the feed head.
- Miss feed is triggering retry as part of feed mechanism algorithm and in case of multiple unsuccessful retries, feeder will be stopped, displaying flashing red on the stop button and specific message on remote User Interface.
- Error bypass mode selectable by operator. (error masking) – for double feed only (with operator setup selection of process / send to reject tray)

USER INTERFACE

- All feeders are delivered with a basic Start(green with green light) and Stop(red with red light) buttons to operate and stop the feeder.
- All set up and programming including all error reporting are done via remote User Interface.
- When using the feeder with BDFX, the remote user interface is the BDF keyboard.
- It is assumed the BDF is MK3 and has been upgraded to enhance the keyboard version.
- No control of downstream devices from the feeder UI.

BAR CODE READER – Optional Scanning / Bar Code reading (OMR, OCR etc).

- BCR option is to be provided for job integrity control and/or for job programming sequence.
- OMR provided as basic control for feeder operation.

SERVICE

- Standard sheet counter (for maintenance).

POWER

- 110 / 230 VAC single phase +6%/-10% 50/60HZ.
- 4.5 AMPS IN 230VAC /9 AMPS IN 120VAC.
- Standby mode consumption: 160W - 546 BTU/H - 200VA.
- Operating mode consumption: 720W – 2460BTU/H – 980VA.

ACOUSTIC NOISE

- 75 dB.

REGULATORY APPROVALS

- UL/cUL, CE 60950/IEC950.
- FCC Class A and CE EMC directive.
- ROHS.

COLOUR and IHDI

- Blue (-AF).

TECHNICAL REMARKS

- Stack quality requirements.
 - Top surface of paper must be nearly flat(max difference ≤15mm) Stacks that are out of specification(due to curl, image building etc) will have to be manually loaded and/or sheet quantity reduced.
 - It is mandatory that the sales force is aware and understand these limitations, not to sell the equipment when it is unusable because of printer/ media not providing enough flatness.
 - Sheets alignment in paper stack must be perfect. If not, operator will have to load manually and correct alignment while doing this.