BEST GRAPHICS GROUP

Company Overview

IBIS

Variable Page Bookletmakers

integrated bindery systems

ibis

› Direct Importers › Service Technicians › Parts Inventory

Nearly 600 new & used listings at www.BestGraphics.net

About IBIS

Company Overview

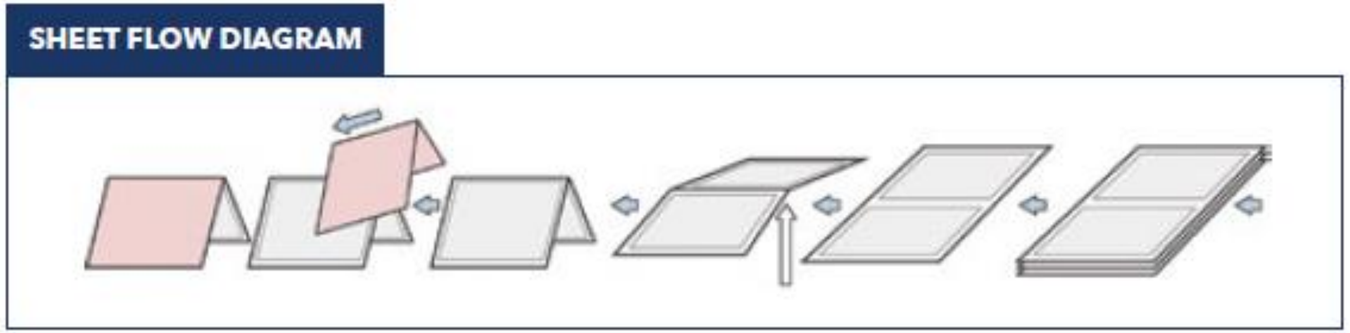
- Founded in 1999
- Based in High Wycombe, UK, one hour West of London
- Leading supplier of high speed, digital book finishing systems
- Nearly 175 IBIS Smart Binder systems operating at customer locations worldwide
- Sales distribution and service support partnership with Best Graphics since 2017

IBIS History

Company Overview

- 1999 – Founded by John Cracknell, Mark Firth and Malcolm Allitt
- 2000 – The world’s first high speed, in-line digital Saddle Stitcher is installed
- 2001 – IBIS moves to headquarters in High Wycombe, UK
- 2004 – Smart Binder SB-3 is launched featuring IBIS’s patented Individual Sheet Gluing (ISG) binding system
- 2006 – Smart Binder SB-4, for integration with Perfect Binders, is launched
- 2012 – IBIS ships their 100th Smart Binder
- 2013 – IBIS introduces new higher performance Smart Binder Plus HS series
- 2015 – IBIS SB-097 sheet-feeder is engineered
- 2017 – IBIS forms a sales and service distribution partnership with Best Graphics
- 2018 – IBIS demonstrated by Best Graphics at Graph Expo (Chicago, IL)
- 2019 – IBIS celebrates 20 years in business!

Why IBIS?



- Capable of producing variable page count booklets from 4 to 200 pages
- Output speed up to 7,000 booklets per hour (1-up), or 14,000 (2-up)
- Capable of supporting web speeds up to 650 feet per minute
- Size formats from 3.8” x 4.7” up to 17.4” x 10.7” (L x W)
    - Contact us for modification options to reduce minimum book width from 4.7” to 3.25”
- Multiple binding options: wire stitching, or patented spine gluing
- In-line, near line or off-line operation
- 100% booklet integrity via barcode reading and “bad book” ejection
- Reliable 24/7 machine operation
- Individually folded sheets for better lay-flat booklets
- ISG saddle-gluing (cold glue) available for increased strength and improved lay-flat

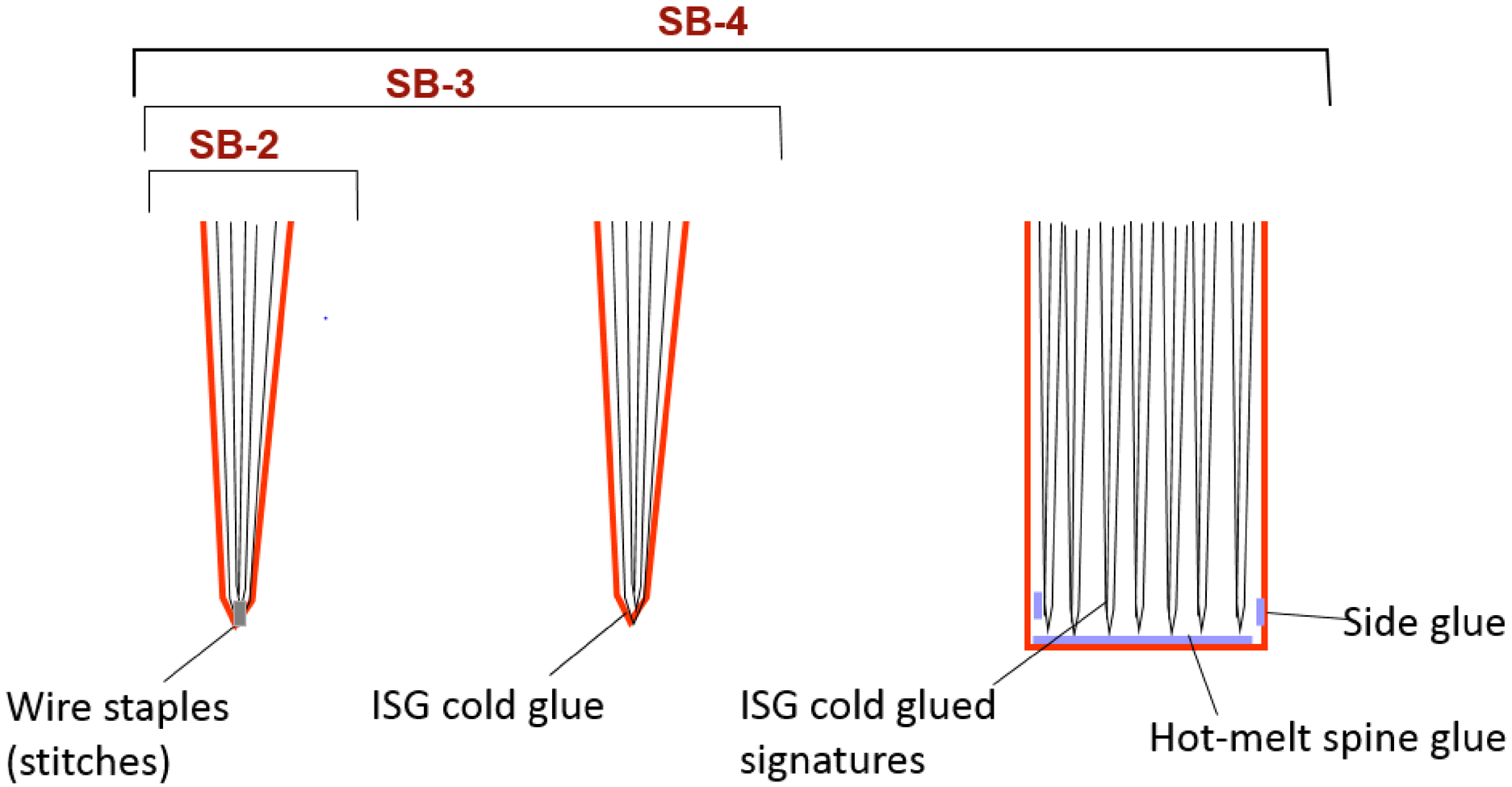
Smart Binder

Machine Overview

- Smart Binders are ideal for short run or data specific printing
- For Example:
  - Healthcare and Insurance Documents
  - Educational/Exam Documents
  - Product Manuals
  - Legal and Financial Documents
  - Church Bulletins
  - Music Books
  - Pharmaceutical Booklets
  - Short Run Magazines with personalized advertising
  - Yearbooks

Binding Options

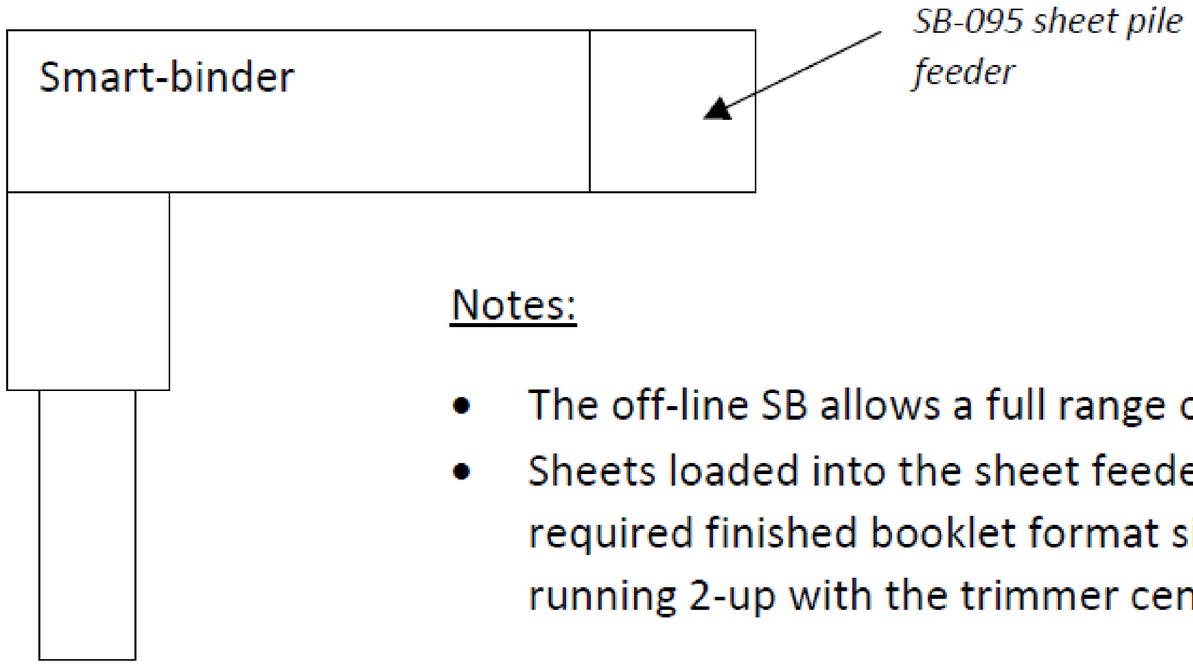
Technical Specifications



Offline Configuration

Technical Specifications

1/ OFF-LINE VERSION SMART-BINDER



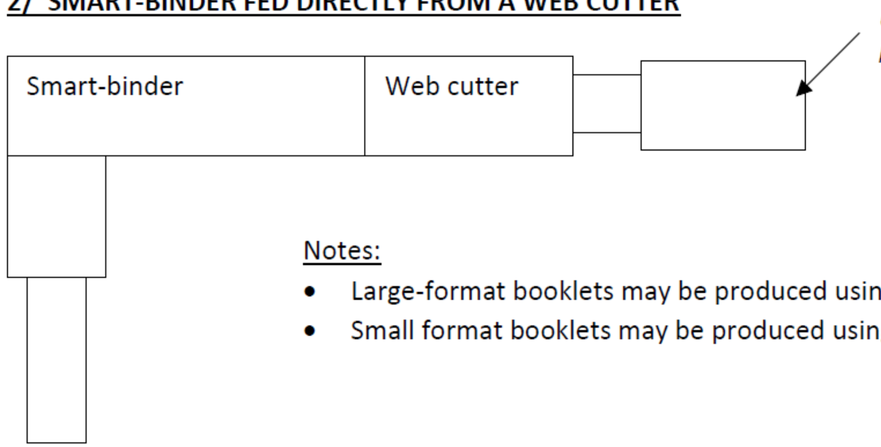
Notes:

- The off-line SB allows a full range of booklet formats to be produced.
- Sheets loaded into the sheet feeder are just a little more than double the required finished booklet format size (or 4 times the finished booklet size if running 2-up with the trimmer center knife)_

Nearline Configurations

Most Affordable…

2/ SMART-BINDER FED DIRECTLY FROM A WEB CUTTER

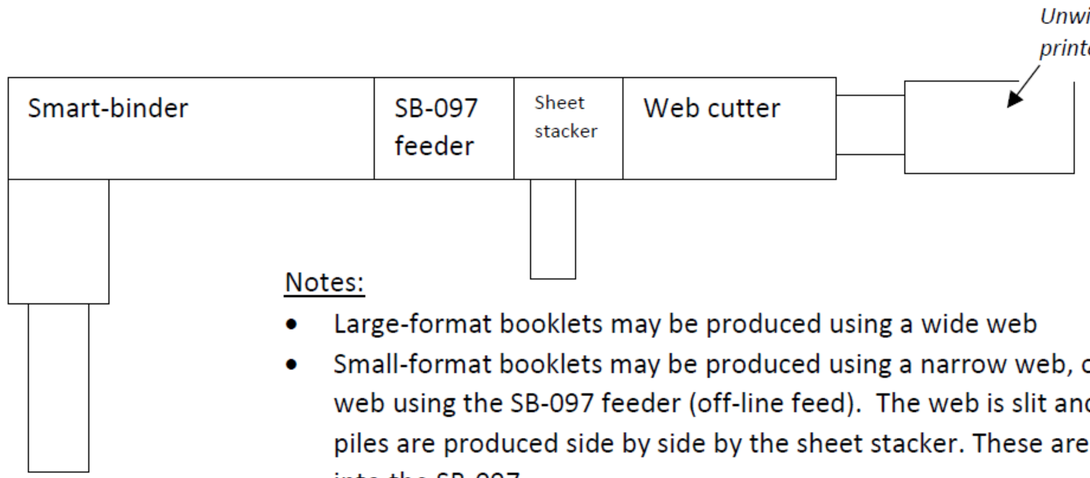


Notes:

- Large-format booklets may be produced using a wide web
- Small format booklets may be produced using a narrow web

Most Flexible…

3/ SMART-BINDER FED DIRECTLY FROM A WEB CUTTER VIA THE SB-097 FEEDER



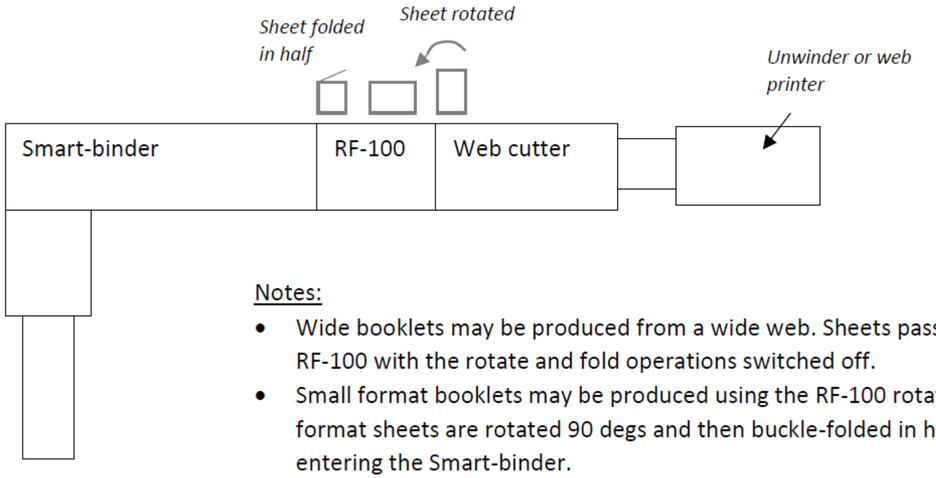
Notes:

- Large-format booklets may be produced using a wide web
- Small-format booklets may be produced using a narrow web, or from a wide web using the SB-097 feeder (off-line feed). The web is slit and multiple sheet piles are produced side by side by the sheet stacker. These are manually loaded into the SB-097.

Nearline Configurations (Cont.)

More Complex Nearline Solutions…

4/ SMART-BINDER FED DIRECTLY FROM A WEB CUTTER VIA THE RF-100 ROTATOR FOLDER

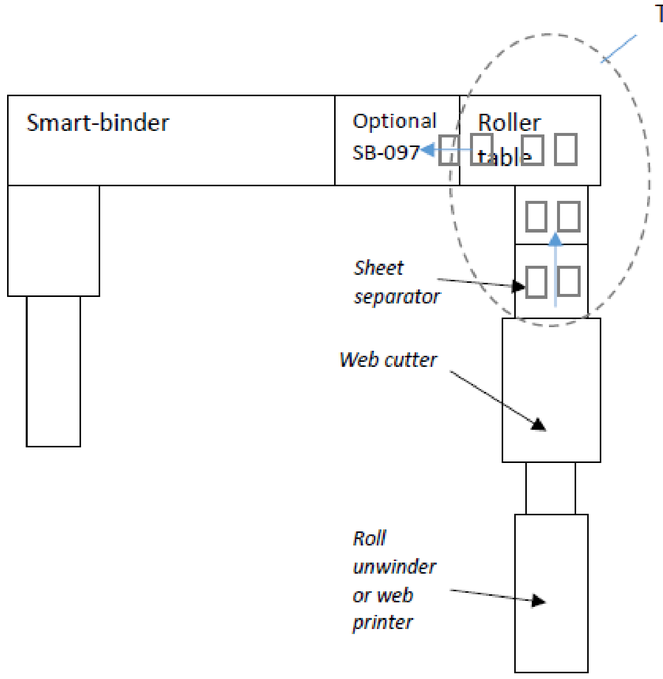


Notes:

- Wide booklets may be produced from a wide web. Sheets pass straight thru the RF-100 with the rotate and fold operations switched off.
- Small format booklets may be produced using the RF-100 rotator/folder. Large format sheets are rotated 90 degs and then buckle-folded in half before entering the Smart-binder.

Disadvantage: when rotating /folding then each sheet must contain 8 pages so finished booklet must contain increments of 8 pages, not the normal 4 pages.

5/ SMART-BINDER FED DIRECTLY FROM A WEB CUTTER VIA THE TUSDC DIRECTION CHANGE SYSTEM (THIS IS SYSTEM WAS INSTALLED AT FISERV LAST YEAR AND RECENTLY PURCHASED BY SHUTTERFLY)



Notes:

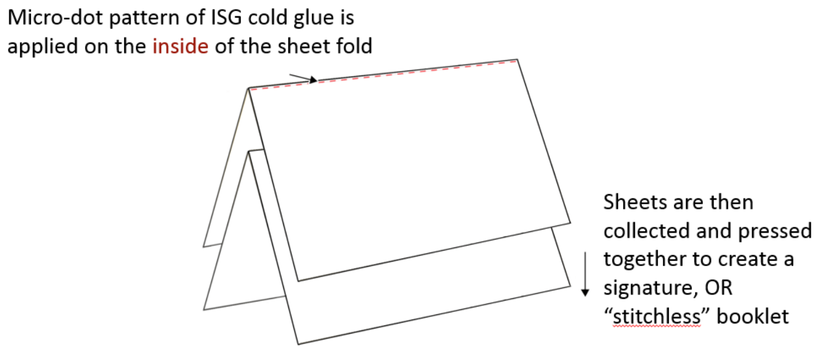
- This system was developed recently to produce small format booklets from a wide web in 4pp increments. The wide web is slit down the middle to produce two sheets side by side which change direction by 90 degs before entering the Smart-binder

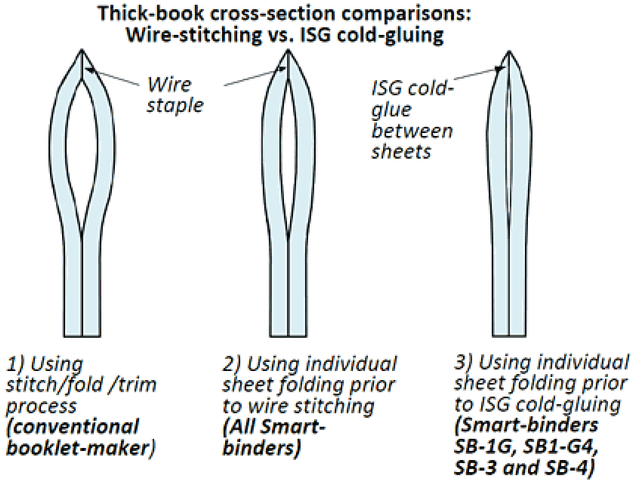
Advantage: Each sheet contains 4 pages

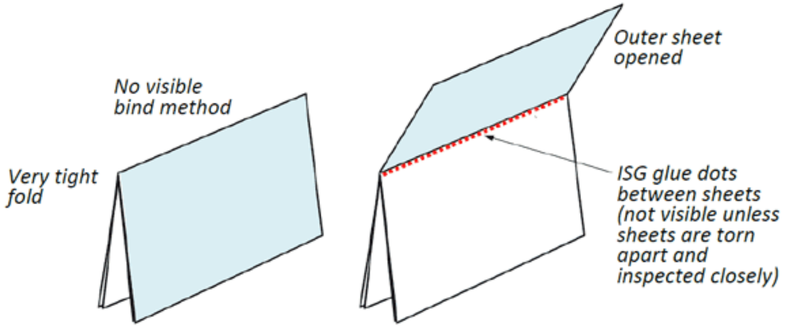
- If large format booklets are also needed then these can be produced off-line using the SB-097 feeder (as Shutterfly plan to do) .
- With some additional design work to the TUSDC modules it may also be possible also to produce large format booklets from a 12-13" wide web. The web would be cut into 4-pp sheets (approx. 18 x 12) which are then direction changed before entering the SB.

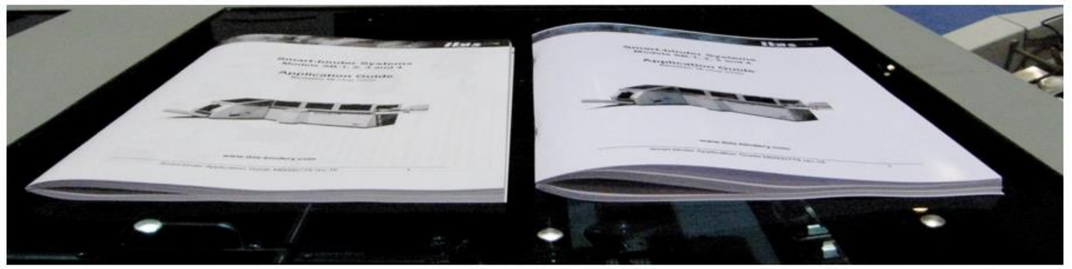
ISG Process

- IBIS's unique patented ISG (Individual Sheet Gluing) system is available on SB-3 and SB-4 models
- Produces a booklet with better "lay flat" characteristics – an advantage for post-production mail insertion





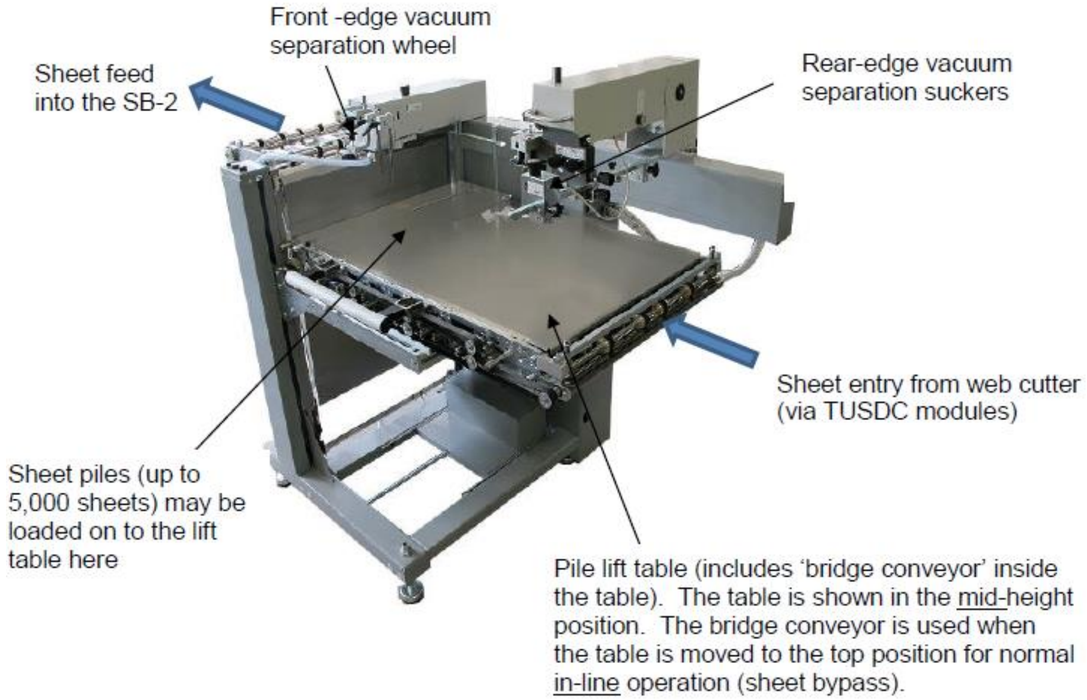




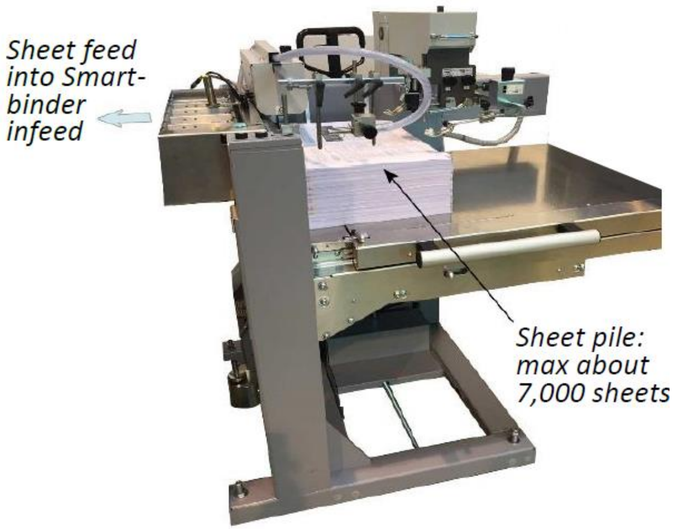
SB-097 Feeder (Optional)

- For the printer who primarily runs from a roll, but has occasional flat sheet jobs
- Can operate as “bypass” transport section with Web Cutter, or as Feeder with individual 4-pagers loaded from a stack

In-Line Operating Mode



Off-Line Sheet-Feed Mode



Smart Binder Models

Technical Specifications

	SB-2	SB-3	SB-X	SB-W	SB-XW
Wire Stitch	✓	✓	✓	✓	✓
Patented Spine Glue	-	✓	Option		
Max. Book Size	12.6” x 8.9”	12.6” x 8.9”	17.4” x 8.9”	12.6” x 10.7”	17.4” x 10.7”
Min. Book Size	3.8” x 4.7” *(Contact us for modification options to reduce minimum book width from 4.7” to 3.25”)*				
Max. Trim, Face	1.06”				
Max. Book Thickness	0.4”				
Max. Trim, Sides	0.8”				
Min. Paper Weight	40 gsm				

Sample Outputs

Offline – 8 ½ x 11”, Fed From SB-095 or SB-097

Number of Sheets	Number of Pages	Output Rate (Books/Min.)	Output Rate (Books/Hr.)
2	8	116	6,960
3	12	116	6,960
4	16	100	6,000
6	24	66.7	4,002
8	32	33.3	1,998
12	48	25	1,500

Near-line – 8 ½ x 11”, Fed From 18” Web

Number of Sheets	Number of Pages	Web Unwind Speed (Ft./Min.)	Output Rate (Books/Min.)	Output Rate (Books/Hr.)
2	8	222	116	6,960
3	12	333	116	6,960
4	16	400	104.4	6,264
6	24	400	69.6	4,176
8	32	400	52.5	3,132
12	48	400	34.8	2,088

Near-line – 5 ½ x 8 ½”, Fed From 12” Web

Number of Sheets	Number of Pages	Web Unwind Speed (Ft./Min.)	Output Rate (Books/Min.)	Output Rate (Books/Hr.)
2	8	174	116	6,960
3	12	260	116	6,960
4	16	320	107.3	6,264
6	24	320	53.6	4,176
8	32	320	35.8	3,132
12	48	320	26.8	2,088

Near-line – 5 ½ x 8 ½”, 18” Web With RF-100 (8-Pages)

Number of Sheets	Number of Pages	Web Unwind Speed (Ft./Min.)	Output Rate (Books/Min.)	Output Rate (Books/Hr.)
1	8	116	116	6,960
2	16	232	116	6,960
3	24	320	106.7	6,900
4	32	320	80	4,602
6	48	320	53.3	3,450
8	64	320	40	2,298

Parts & Service Support

Milwaukee, WI

Parts Department

- Best Graphics maintains nearly $750,000 USD in parts on the shelves at our Milwaukee, WI facilities.
- On-Hand Parts: Can drop ship for next-day arrival if ordered before 4pm CST.
- Hard to Find Parts: drop ship directly from our manufacturer partners to get you up-and-running as quickly as possible.

Contact Our Parts Department
Call 1-800-236-7603 ext. 1010
Email Submit Parts Request

Service Scheduling

- Best Graphics has a full team of Service Technicians to help support the 150-175 machine sales, installations we complete annually.
- Over-the-phone support: Free-of-charge
- Onsite service: Billed out on hourly or daily basis

Contact Service and Support
Call 1-800-236-7603 ext. 1009
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integrated bindery systems

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Best Graphics backs IBIS Variable Page Bookletmakers with an 18 month warranty.

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BEST GRAPHICS GROUP

Best Graphics, Inc.

W222 N600 Cheaney Drive
Waukesha, WI 53186

Telephone +1 (262) 522-3330
Fax +1 (262) 522-3280
Toll-free (800) 236-7603

E-mail Sales@BestGraphics.net

Nearly 600 listings at www.BestGraphics.net

Product design and technical specifications subject to change without notice.