

IBIS Smart Binders - Since 1996

IBIS, founded in the United Kingdom in 1999, is a world-leading supplier of high-speed digital book finishing systems. The IBIS Smart Binder 'Plus HS' can produce personalized, variable page-count wire-stitched (SB-2) or cold-glued (SB-3). With nearly 100 machines stateside and hundreds worldwide, these systems are used to produce personalized booklets for schools, health care, insurance, financial, government, and gaming/specialty applications.

IBIS Smart Binders can be configured in three different ways. The first way is from a Sheet Feeder (off-line). The second way is fed in line from a Roll Unwinder and Web Cutter (near-line). The third way is fed from the Digital Web Printer with a Web Cutter (in-line).

Off-Line Configuration

If feeding the Smart Binder off-line, a high-pile Sheet Feeder is connected to the Smart Binder infeed. This Feeder can contain up to about 5,000 printed sheets and must be stopped to reload. There are two Sheet Feeders that IBIS offers. These would be the SB-095 Sheet Feeder and the SB-097 Sheet Feeder. The SB-095 is a standard Sheet Feeder. However, the SB-097 is a dual-purpose Sheet Feeder that can function as a standard Sheet Feeder or have the Sheet Feeder bypassed if cut sheets are coming upstream from a Roll Unwinder or Digital Press.

Both the SB-095 and SB-097 can feed sheets at 400 sheets/min. and can contain up to 5,000 sheets. (21.65")

Throughput Table: Sheet Pile Feeder (SB-095 & SB-097) (8 ½ x 11")

# of Sheets	# of Pages	Max Feed Rate	Booklets/Hour
2	8	232	6,960
3	12	348	6,960
4	16	400	6,000
6	24	400	4,002
8	32	400	3,000
12	48	400	1,998

Near-Line and In-Line Configuration

The near-line configuration is being fed from the Roll Unwinder and Web Cutter (typically Tecna, Hunkler or MBO). With the in-line configuration, the Web Cutter is fed from the Digital Web Press. There are a number of potential ways that Web Cutters can be connected to the Smart Binder. The following ways can be either near-line or in-line.

1. Simple direct connection between the Web Cutter and the Smart Binder. This is ideal for 8 ½" x 11" production using an 18" web. It may also be used for 5 ½" x 8 ½" booklet production from a 12-13" wide web.
2. The additional RF-100 Rotator/Folder may be used in between the Web Cutter and the Smart Binder. This module rotates and buckle-folds each sheet in half to allow 5 ½" x 8 ½" booklets to be produced from an 18" wide web (8-page increments). The web speed is limited to about 320 ft/min. when rotating the sheets. Like the SB-097, the RF-100 can be switched off to allow 8 ½" x 11" booklets to be produced from the same 18" web.
3. The additional TUSDC sheet direction module allows for 5 ½" x 8 ½" booklets to be produced from an 18" web in 4-page sheets. This works by slitting the 18" web in half and producing two sheets that are 9" x 12" side by side. In-line, the direction of the SE sheets is changed 90 degrees before going into the Smart Binder. The TUSDC can only be used to produce 5 ½" x 8 ½" booklets. Due to the change in direction, the web speed cannot exceed 230 feet/min.

Frequently Asked Questions

- Q. What web sizes can be used to feed my Smart Binder?**
- A. The Smart Binder can be used with any web width from about 12" to 18 ½" (or wider with special modifications).
- Q. What book sizes can be created?**
- A. This depends on the use of a folder/rotator. If no folder is used, then the minimum is 9.8" x 8.26" and the maximum is 18.5" x 12.6".



+1.262.522.3330



sales@bestgraphics.net



bestgraphics.net

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