**IBIS Smart Binders – Since 1999**

**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). These systems are used around the world to produce personalized booklets for schools, health care, insurance, financial, government, and many other applications. Notable installations include RR Donnelley, O’Neil Digital Solutions, Pearson Educational, Broadridge, and Liturgical Publications.**

Booklet production speeds on the IBIS Smart Binder can vary depending on number of sheets, pages, and page size. Smart Binders can be used with any web width from about 12” up to about 18 ½” (or wider with special modifications). IBIS SB-2 and SB-3 HS support outputs at 7,000/hr. With the F-100 folder, the Smart Binder can handle a web speed of 590-656 feet/min. vs. 426 feet/min without.

Below are some speed examples. If you do not see the booklet size you are trying to produce below, let us know and we can provide the required information!

**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 | 52.2 | 3,132 |
| 12 | 48 | 400 | 34.8 | 2,088 |

*Note the improved output speed of 16-48 page booklets!*

**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 – Fed From 18” Web Using TUSDC Module (5 ½ x 8 ½ booklets to be produced from an 18” web in 4-page sheets)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of Sheets | Number of Pages | Web Unwind Speed (Ft./Min.) | Output Rate (Books/Min.) | Output Rate (Books/Hr.) |
| 2 | 8 | 116 | 116 | 6,960 |
| 3 | 12 | 174 | 116 | 6,960 |
| 4 | 16 | 230 | 115 | 6,900 |
| 6 | 24 | 230 | 76.7 | 4,602 |
| 8 | 32 | 230 | 57.5 | 3,450 |
| 12 | 48 | 230 | 38.3 | 2,298 |

**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 |

**Frequently Asked Questions**

**Q. Can the IBIS Smart Binder run 2-up and at what speeds?**

A. Yes, the IBIS Smart Binder can run 2-up to double output with our optional 4th and 5th knife assembly.

**Q. What other variables that can play a factor in the speed of the Smart Binder?**

A. The speed of the roll unwinder is one of the main factors in the throughput of the Smart Binder. Paper weight and humidity also play a significant factor.