



Libra SR

Short Run book-block production



Libra SR is an automated system for producing short run pre-glued book blocks, ready for nearline binding.

Produce short run books variable in thickness, automatically. Libra SR accommodates book blocks containing a varying number of signatures from one book to the next.

As the average book run is being significantly reduced, Libra SR is the solution to support short run production. With Libra, users can slash book stocks to zero, reducing dramatically paper waste and the risk of unsold inventory.

Libra SR enables users to reach new markets where short runs are mandatory, such as manuals, limited editions, new authors publishing, art books, research papers,

- ✓ **Suitable for sew binding**
- ✓ **Pre-glued book blocks**
- ✓ **Variable signature length on the fly**
- ✓ **2-up, 3-up, 4-up imposition**
- ✓ **Speed up to 130 m/min (430 ft/min)**

republishing, financial reports and more: small volume publications become an opportunity.

Supporting run speeds up to 130 m/min (430 ft/min), Libra SR provides complete flexibility and efficiency for short run book production.

Global service and around-the-clock support help ensure our reputation as the industry's reliability leader. Our products increase productivity, cut labor and paper costs, and even make new applications possible – Tecna solutions truly empower digital print to help you do more with less.



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Libra SR can operate inline or nearline to digital printers at speeds up to 130 m/min (430 fpm). The system starts from a roll up to 520 mm (20.5") wide, printed in 2-up, 3-up or 4-up and generates 12, 18 or 24 page signatures. Each book block can be composed of a variable number of signatures to produce book blocks on demand variable in thickness.

Book blocks can be pre-glued and offset-stacked to facilitate operator handling and transportation to the next finishing phase.

Pre-gluing can be disabled for applications printed 2-up or 4-up for sew binding near-line.

One, two or three vertical perforations are performed on each signature depending on the imposition selected, to ease the folding process and book-block assembly.

In a unique, patented feature of Tecna's Libra SR, waste pages are minimized by reducing the size of the last signatures. Depending on the number of pages of each book, the last signatures may be shortened in length to 8 page (2-up), 12 page (3-up)

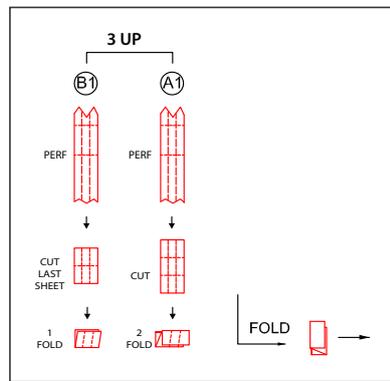
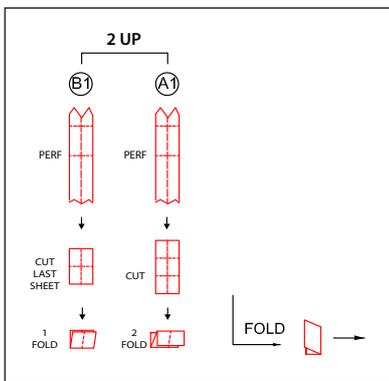
and 16 page (4-up) signatures, minimizing the number of white pages at the end of each book.

The entire process is controlled via 2D Datamatrix code printed on each signature. This information drives the system and keeps control of the product's integrity. A touch screen display starts and controls the system, setting up every module and displaying errors and alarms.

Solution Options

Stacker s20 with 90° Conveyor

For alternative outputs or near-line finishing, the Libra SR builds 8.5" stacks. Once paper is accurately cut and stacked, each set can be delivered to a 90° conveyor one at a time, individually offset within the stack or when the operator-programmed stack height is reached. Stacks are delivered 1-up, 2-up, 3-up, or 4-up, and can then be easily transported to near-line finishing units, such as Binders or Stitches. Applications may include direct mail and commercial print including brochures, flyers, general marketing material or flat sheets.



Technical Specifications

Performance / Media

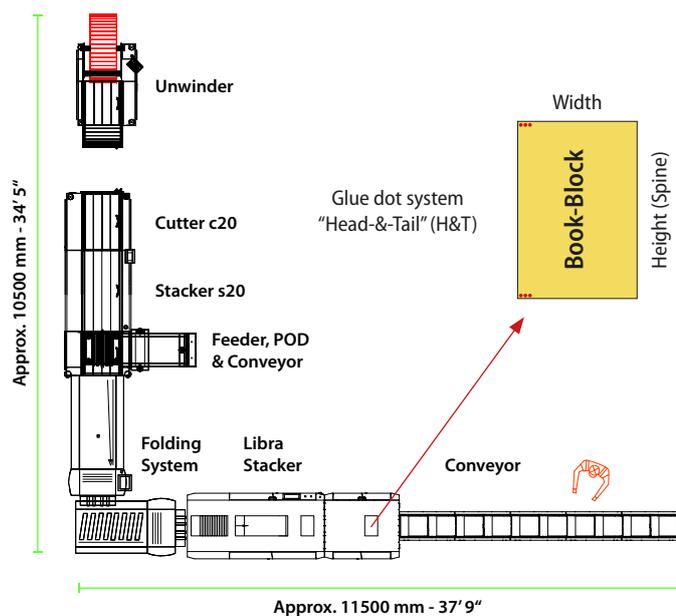
| | | |
|---------------------|---|-----------------|
| Speed max | up to 430 ft/min | up to 130 m/min |
| Paper weight | 40# text - 65# cover / 60 - 180 gsm | |
| | <i>Below 65 gsm and above 110 gsm requires application review</i> | |
| Web width | 12.5" - 20.5" | 320 - 520 mm |
| Imposition | 2-up, 3-up or 4-up for milling | |
| | 2-up or 4-up for sew binding | |
| Book height (Spine) | 7.48" - 13.77" | 190 - 350 mm |
| Book width | 6.29" - 13" | 160 - 330 mm |
| | <i>min to 120 mm (4.73) through manual settings</i> | |
| Book thickness* | up to 2" | up to 50 mm |

Electrical & Air

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|-----|--------------------|
| Air | 85-100 PSI @ 3 cfm |
|-----|--------------------|

*before pressing station

Configuration Example



TECNAU

w w w . t e c n a u . c o m

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