

# Espresso Book Machine<sup>®</sup>

by On Demand Books



## EspressNet SelfServe Technical Requirements

## Bookblock

The bookblock consists of your book's interior pages. Your bookblock PDF should contain everything you want to include in your book – front matter, core text, back matter, blank pages, etc. – all in one PDF.

### Bookblock Physical Requirements

- The bookblock will print out on double-sided on Letter-sized or A4 sheets of paper - one PDF page to one side of a sheet of paper. Excess margins will be trimmed off during the binding process.
- There are no paper-folding / signatures involved in the binding process.
- The bookblock can only be printed in black and white (no color on the interior pages).

### Trim Size

(width x height in inches)  
Minimum 4.5" x 5"  
Maximum 8" x 10.5"

Because of the way the book is bound, the maximum trim size for a book changes depending on the page length. If your book is longer than 150 pages, refer to the list below to find the maximum trim size.

Page Length	Max trim width x height	
Up to 300 pages	8" x 10.5"	20.32 cm x 26.67 cm
Up to 400 pages	7.875" x 10.5"	20.00 cm x 26.67 cm
Up to 500 pages	7.75" x 10.5"	19.69 cm x 26.67 cm
Up to 600 pages	7.6" x 10.5"	19.30 cm x 26.67 cm
Up to 700 pages	7.5" x 10.5"	19.05 cm x 26.67 cm
Up to 800 pages	7.5" x 10.5"	19.05 cm x 26.67 cm

## Page Length

Minimum: 40 pages  
Maximum: 800 pages

### Determining your Page Count:

For our purposes, a page refers to one PDF page or book page, *not* one sheet of paper. (There are two book pages to each sheet of paper, one on each side.)

Your bookblock PDF should be laid out accordingly – no double-page spreads or signatures.

Your final page count will be the total number of pages in your PDF document – your page count will not be limited to the paginated section of your book, but rather will include everything in the document (blank pages, dedications, about the author pages, etc.)

### **Bookblock PDF Layout Requirements**

The content *must* be centered within the PDF media box.

- Ideally the page size of your bookblock PDF should match the intended trim size for your book.
- We can also accept content that is centered within a Letter or A4-sized PDF, as long as the content is properly formatted to match your book's trim size.
- We *cannot* accept PDFs laid out in double-page spreads.

No crop / registrations marks are necessary, but they are acceptable.

When generating a PDF, it is important to choose a format that is tied to a tight ISO spec.

- For best results, please submit all files in **PDF/X-1a:2001** format.
- If you generate PDFs using Standard conversion settings, the document fonts may not be properly embedded. We cannot be held responsible for printing errors resulting from poorly formatted PDFs.

### Cover Physical Requirements

- The cover can be in color (it will print on a full-color inkjet).
- Nothing can print on the interior side of the front or back cover.
- The cover cannot have flaps that fold inside the book.
- Maximum dimensions of your cover image cannot exceed 16.75" x 10.5".

### Cover PDF Layout Requirements

For layout purposes, your cover is the back + spine + front of your book, laid out as a single landscape-oriented image. It will be printed on a Tabloid or A3 sheet of coverstock, which will wrap around the printed bookblock and be trimmed down to the book's trim size.

The content *must* be centered within the PDF media box.

- The cover image should be centered vertically and horizontally within a landscape-oriented PDF document

The image must contain at least 0.125" to 0.25" bleed on all sides

No crop / registrations marks are necessary, but they are acceptable.

### Calculating Spine Width

For your book to print properly on the Espresso Book Machine, the spine width of your cover design must be compatible with the interior paper used to print it.

To calculate the spine width, you'll need your page count and the PPI (Pages per Inch) of the paper you're using. You'll also need to determine whether you're using cream or white paper.

- The PPI value for our standard cream paper is 434.
- The PPI value for our standard white paper is 526.

The formula for calculating spine width:

$$\text{page count} \div \text{PPI} = \text{spine width in inches}$$

So the spine width for a 250 page book printed on our standard cream paper would be

$$250 \div 434 = 0.576"$$

## Images

The higher the resolution of an image, the better it will look when printed.

For best print quality, we recommend that any images you include (inside the book or on the cover) should be at least **300 DPI** (Dots per Inch).

Any images included in the bookblock PDF will print in black and white, even if the original is color.

## PDF Format

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