fastBlock 04/90/2300

new

The 4th generation of industrial book block production

LAYFLAT
BOOKBINDING

High volume & speed for XXL formats and premium quality

Expand your radius in beautiful designed photo products:

LayFlat photo books

Photo calendars

Design postcards

Calendars

Create professional calendars with fastBlock from Imaging Solutions. Use the sandwich-technology (cardboard plus paper) to reach highest possible product quality.

Greeting cards

The fastBlock-system enables you to produce premium greetings cards and postcards in various formats.

Standard Binding

LayFlat Binding

▶ Showcases impressive panoramic photo spreads.
▶ Pages stay open easily and are fully on display.

XXL LayFlat binding for full visual impact

The growing request for panoramic layout design without any image loss in the center demands state-of-the-art solutions for the book-on-demand business.

LayFlat binding offers you tremendous opportunities for attracting new customers. It is increasingly used for premium photo books, high-end product presentations, catalogs and brochures.

fastBlock 04/90/2300 processes XXL photo book blocks up to 457 mm width (18 ").

Creasing

Folding

Pressing

Gluing

fastBlock 04/90/2300

fastBlock
From roll or single sheet to finished book block

The fastBlock system by Imaging Solutions is a 5-in-1 solution. A LayFlat book block is produced from roll or single sheets in just one working step. One push of a button triggers all of the necessary individual steps: cutting, creasing, folding, pressing, and gluing. LayFlat book blocks are produced with minimum manpower requirements, and same-day finishing and shipping is possible.

Cutting

Decurler

Roll or Sheet
Feeder (optional)

Stacking,
Barcode Printing
and Transfer (optional)

+ SWISS MADE

One system does it all

Accurate cutting, folding and gluing ensure perfectly aligned book blocks. The sheets are transported onto a rotating drum in the gluing module. They are glued back to back and placed on a moving table to build the book block.

The finished book block is then transported into an optional stacker or onto a conveyor belt which connects fastBlock to the next finishing processes (3-knife trimming, casing-in, joint forming).

fastBlock

	Standard Format Standard Speed 02/74/1800 *)	XL-Format Standard Speed 03/90/1800 *)	XL-Format High Speed 04/90/2300 *)
	*) former fastBlock 02	*) former fastBlock 03	*) former fastBlock 04
LayFlat photo book blocks	✓	✓	✓
Design greeting cards	✓	✓	✓
Premium calendars	✓	✓	✓

Features

Hotmelt gluing technology	✓	✓	✓
Processing of photo and press paper	✓	✓	✓
Sheet handling	✓	✓	✓
Roll handling, max. diameter 1'370 mm	✓	✓	✓
Creasing and folding included	✓	✓	✓
Cardboard and endpaper processing	✓	✓	✓
Automated feeding of cardboard / endpaper	✓	✓	✓
Fully automated / barcode controlled	✓	✓	✓
Inline operation possible	✓	✓	✓

Performance

Cycles / h	1800	1800	2300
Book blocks per hour, ca.	180	180	230
Max. block height	343 mm	343 mm	370 mm
Max. block length (closed)	370 mm	457 mm	457 mm
Min. block width	127 mm	127 mm	127 mm
Min. block length (closed)	175 mm	175 mm	169 mm
Max. block thickness w/o cardboard	30 mm	30 mm	30 mm
Max. block thickness with cardboard	30 mm	30 mm	45 mm
Power requirements	400 V	400 V	400 V

New Features

- ► XXL format book blocks up to 370 x 457 mm (14.5 x 18")
- ► High-level performance: up to 230 book blocks/h (depending on size/pages)
- ► Block thickness max. 45 mm (1.7", with cardboard)
- ► Barcode controlled product selection: Different page lengths within one roll possible minimizes time for batching
- ► Optional cardboard feeder with a capacity of 500 - 600 cardboards
- ► Unlimited number of cardboards can be glued between two pages
- ► Active tracking of gluing head for precise and homogeneous glue application
- ► Optional in-line book press for perfect book spines
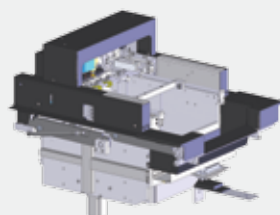- ► Easy to operate via touchscreen

Key Features

- ► 5-in-1 fully automatic print finishing system
- ► Cutting, creasing, folding, pressing and gluing in only one workstep
- ► Complete LayFlat book blocks manufactured from roll or single sheets
- ► Provides consistent premium quality with low production costs
- ► Premium LayFlat photo book technology for panoramic pages
- ► Swiss made quality
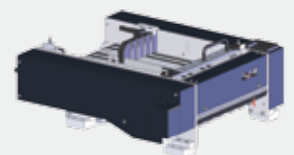- ► Competent service team from Switzerland

Options

Depending on your workflow, the following options are available:

- ► Integration of several fastBlock inline with three-knife trimmer
- ► Inline book press

► Cardboard feeder

► Pre-folded sheet feeder

Technical Specifications fastBlock

BOOK BLOCK

Height: 127 mm - 370 mm / 5" - 14.6"

Gluing widths:

127 mm / 5"	203 mm / 8"	279 mm / 11"
152 mm / 6"	220 mm / 8.66"	305 mm / 12"
178 mm / 7"	254 mm / 10"	351 mm / 13.8" (available on request)

Length: max. 457 mm / 18"
min. block length: 175 mm / 6.9"

Thickness: max. 30 mm / 1.2" without cardboard; max. 45 mm / 1.8" with cardboard

Paper thickness *): 0.13 mm - 0.25 mm / 0.0051" - 0.0098" (single sheet),
with cardboard 0.5 mm /0.0157"

PERFORMANCE

max. 2'300 cycles / h (= 1 cycle = 1 gluing = 2 pages),
time loss between 2 book blocks: 2 s

ELECTRICAL CONNECTION

Feeder and

Folding Module: 400 V / 50 / 60 HZ, 3 x 16 A

fastBlock: 400 V / 50 / 60 Hz, 3 x 16 A

Glue tank: 400 V / 50 / 60 HZ, 3 x 16 A
Optional transformer available

Compressed air: 0.55 – 0.7 MPa per module

Remote Maintenance: fastBlock supports remote maintenance, network connection needed

Weight: 2'800 kg

*) For detailed paper specifications, please contact **info@imagingsolutions.ch**

Technical data are subject to change without notice

05/2016