

# FREEDOM > 5K



- Efficient, productive, intelligent and cost efficient bookbinding
- Most flexible and versatile configuration
- Specifications that grow with your requirements
- Expandable with in-line gathering and trimming



## Salient Features

- In-line feeding of gathered signatures or book block. Can be connected to a signature gatherer.
- 12 calibrated book clamps with thickness indicators.
- Centralised, single-action, clamp setting. Quick change-over of jobs.
- Multi-function combination milling station with milling, notching, roughening, sanding and brushing of book spine .
- 3 Roller glue tank with head and tail cut-off system plus accurate control of adhesive through doctor blade. Integrated Pre-melter, saving on space and energy. Digital temperature control with accuracy of +/- 1 Deg C
- Replaceable glue station on wheels that can be replaced with Cold glue, PUR or any other type of adhesive or application system .
- Gluing Options: Specially coated melter and applicators for PUR binding with Alta Pail®
- melting system and EP48 slot die from Nordson®.
- Separate side gluing station with slanted gluing discs, providing a uniform, thin layer of glue, that stays within the front cover score area.
- Automatic round pile type cover feeder with adjustable creasing attachment. Option of compressed air – vacuum generator or vacuum pump.
- Moving type, cam driven, strong cover nipping station.
- Down-hill and lay down delivery for feeding to the conveyor to trimmer .
- Safety covers; built in safety systems with emergency stops; indicators for temperature and speed.
- Control system with HMI providing all information on settings, speed, production data, stoppage and maintenance warnings.

### Specifications

No. of Clamps	12
Maximum Book Size	420 mm x 300 mm (direct clamp feeding) 420 mm x 150 mm (Conveyor feeding)
Minimum Book Size	140 mm x 110 mm
Book Spine Thickness	3 mm to 50 mm

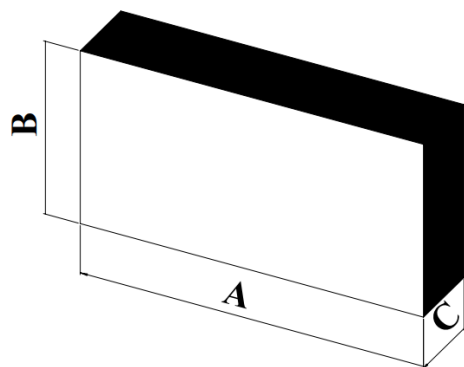
### Specifications

Maximum Cover Size	420 mm x 650 mm
Minimum Cover Size	140 mm x 220 mm
Mechanical Speed	5000 books per hour
Electrical Supply	415 V ( + / - 10 % ), 50 cycles, 3-Phase, 23 kW
Compressed Air Requirement	9 CFM, 8 Bar Pressure



## Format Table : Book Feeding

( All the dimensions in mm )

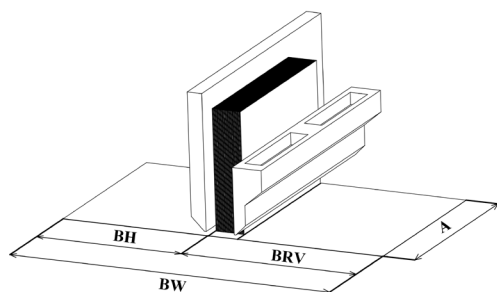


Book Block Dimensions			Spine Length A	Fore Edge B	Spine Thickness C
Conveyor In-Feeding	Portrait	Max	420	150	50
		Min	140	110	3
	Landscape	Max	300	300	50
		Min	140	110	3
Direct Feeding to Clamp		Max	420	300	50
		Min	140	110	3

C max = 75mm before binding  
Maximum Clamp Opening : 80

## Format Table : Cover Feeder

( All the dimensions in mm )



Cover Dimensions		Minimum	Maximum
Cover width	BW	220	650
Rear cover width	[mm]	110	300
Front cover width with spine	BH	110	350
Cover height	[mm]	140	420
Cover Weight Range	BRV	100	350
Pile Height	[mm]	5	130



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