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DigiBook Perfect Binders
150 | 200 | 300XL Pro | 450

DIGIBOOK | 150 | 200

PUR Binding

PUR is the strongest, most flexible binding adhesive available and offers several additional advantages over other binding adhesives. When inks, coatings, or digital print toners are present in the spine area, these can compromise the strength of typical hot melt perfect binding. PUR is resistant to this and will form a super-strong bond with all weights and finishes of paper stocks. In addition, PUR works well with synthetic and recycled-content stock.

DigiBook 150 – Key product features:

- Up to 100 books per hour
- Touchscreen operation
- Binding length (spine) from 4.9" up to 14.9"
- Spine thickness from 0.07" to 1.96"
- Spine preparation by sophisticated notching device
- Paper chip extractor
- Patented hermetically sealed PUR application system for spine and side gluing with automatic glue cut-off
- Semi automatic cleaning and sealing of the glue head

DigiBook 200 – Key product features:

- Up to 200 books per hour
- Touchscreen operation with automatic set up
- Binding length (spine) from 4.3" up to 14.9"
- Spine thickness from 0.07" to 1.96"
- Adjustable spine preparation by sophisticated milling and notching device
- Paper chip extractor
- Patented hermetically sealed PUR application system for a spine and side gluing with automatic glue cut-off
- Automatic cleaning and sealing of the glue head
- Electronic connection to Morgana AutoCreaser Pro for cover creasing
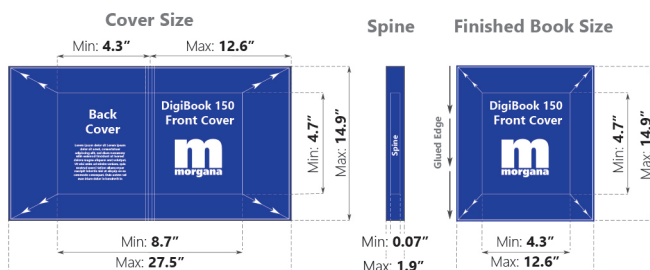
DigiBook 150 | DigiBook 200

The DigiBook 150 and 200 are entry level PUR binders ideally suited to traditional and digital printers who require short runs of PUR perfect bound books to a professional standard. Equipped with a patented closed gluing system where the spine and side gluing is applied by a slot applicator for the utmost binding quality and accuracy.

The machines are easy to use, even by non-specialized personnel, and operated via a touchscreen panel with icon graphics that allow the programming of all precision operations in just a few seconds.
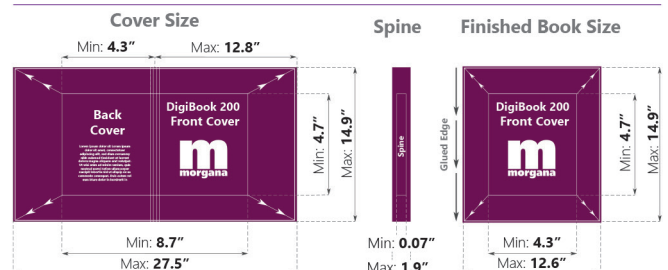
An additional feature is the innovative glue application system which is covered by no less than seven international patents. The application is direct and hermetically sealed, without odor or toxic fume emissions, and does not require extraction fans. It is possible to set different temperatures for the glue melting tank and the applicator, giving greater flexibility and glue life. Another feature of this applicator is it can be cleaned and sealed automatically from the touchscreen allowing for minimum glue wastage.

The PUR glue is applied on the book spine and on the sides by independent glue slots, each of which can be adjusted to give the best possible spine and side glue results.

DigiBook 150

DigiBook 200

DIGIBOOK | 300XL PRO | 450

DigiBook 300 XL Pro – Key product features:

- 300 books per hour
- Touchscreen operation complete with automatic format change
- Pneumatic opening and closing of clamp
- Binding length (spine) from 3.93" up to 17.71"
- Spine thickness from 0.07" to 1.96"
- Spine preparation by sophisticated milling device
- Automatic cleaning and sealing of the glue head
- Retractable milling
- Patented hermetically sealed PUR application system for spine and side gluing with automatic glue cut-off
- Unique angled work surface
- Automatic book block measuring and set-up

DigiBook 450 – Key product features:

- 450 books per hour
- Touchscreen operation complete with automatic format change.
- Pneumatic opening and closing of clamp
- Binding length (spine) from 3.93" up to 17.71"
- Spine thickness from 0.07" to 1.96"
- Spine preparation by sophisticated milling device
- Automatic cleaning and sealing of the glue head
- Retractable milling
- Patented hermetically sealed PUR application system for spine and side gluing with automatic glue cut-off
- Automatic cover feeder
- Automatic delivery and stacking of finished books
- Automatic book block measuring and set-up

DigiBook 300XL Pro

DigiBook 450

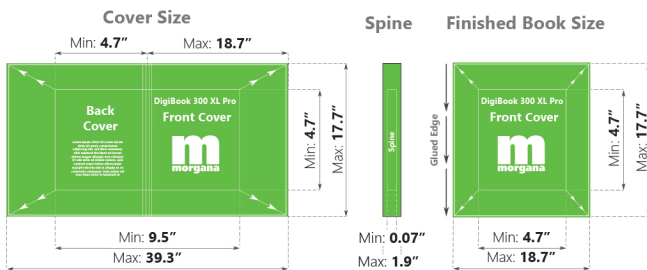## DigiBook 300XL Pro | DigiBook 450

The DigiBook 300 XL PRo and 450 are higher productivity models, ideally suited to litho and digital printers who require short to medium runs of PUR perfect bound books. These two models have the same innovative glue application and cleaning system as the 150 and 200, with the PUR glue being applied on the book spine and on the sides by independent glue slots. The amount of PUR glue is determined by the height of the applicator and the pressure applied, giving complete control and allowing any kind of book to be bound with maximum ease.

Another key feature of the 300 and 450 models is the sophisticated milling and notching tools which gives the optimum spine preparation of the book block to interact with the PUR glue. Additionally, the DigiBook 300 and 450 have completely retractable milling systems, allowing for the production of sewn book sections.
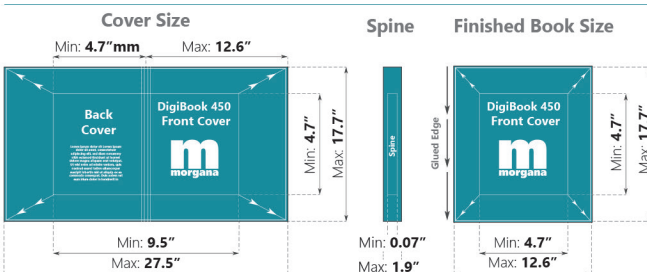
The nipping press is a pneumatic system with adjustable lateral pressing force. Pressing time is also adjustable from the panel. The press height varies from 0 to 1.5 mm for optimal squaring of the spine and quality of glue application.

In addition to the automatic cover feeder, the DigiBook 450 is also equipped with an automatic book delivery and stacking section to maintain output speeds and reduce handling of the bound books.

PRODUCT SPECIFICATIONS

DigiBook 150	
Books per hour	Up to 100
Number of clamps	1
Touchscreen	Yes
Spine length, max/min	14.7"/12.6"
Book height, max/min	4.7" /4.3"
Block/spine thickness	0.07" - 1.96"
Cover dimension max	27.55" x 14.9"
Cover dimension min	8.74" x 4.72"
Cover weight max	400gsm
Dimensions	L 55.11" x W 35.82" x H 50.00"
PUR glue tank capacity	Up to 6lb
Machine weight	552lb .3oz
Power requirement	208 - 240V 50/60Hz 16amp

DigiBook 300XL Pro	
Books per hour	Up to 300
Number of clamps	1
Touchscreen	Yes
Spine length, max/min	17.7"/3.93"
Book height, max/min	17.7"/4.7"
Milling width	0.118"
Book/spine thickness	0.07" - 2.0"
Cover dimension max	39.37" x 17.71"
Cover dimension min	9.52" x 3.93"
Cover weight max	400gsm
Dimensions	L 97.25" x W 50" x H 66"
PUR glue tank capacity	Up to 6lb
Machine weight	1157lb. 7oz
Power requirement	32amp, single phase

DigiBook 200	
Books per hour	Up to 200
Number of clamps	1
Touchscreen	Yes
Spine length, max/min	14.9"/12.6"
Book height, max/min	4.7"/4.3"
Block/spine thickness	0.07" – 2.0"
Cover dimension max	27.5" x 14.9"
Cover dimension min	8.7" x 4.7"
Cover weight max	400gsm
Dimensions	L 69.6" x W 35.4" x H 50"
PUR glue tank capacity	Up to 6lb
Machine weight	552lb .3oz
Power requirement	208 - 240V 50/60Hz 16amp

DigiBook 450	
Books per hour	450
Number of clamps	1
Touchscreen	Yes
Spine length, max/min	17.71"/3.93"
Book height, max/min	12.59"/4.72"
Milling width	0.118"
Book/spine thickness	0.07" - 1.96"
Cover dimension max	27.60" x 17.71"
Cover dimension min	9.52" x 4.72"
Cover weight max	400gsm
Dimensions	L 101.8" x W 82.3" x H 54"
PUR glue tank capacity	Up to 6lb
Machine weight	1157lb .6oz
Power requirement	16amp, 3 phase, + E + N, 400v 50/60hz

Note: the production speed varies according to material size
Compressed air required: minimum 7 bar/maximum 9 bar

Options (must be specified at the time of order)

• Gauze station for book block production (DigiBook 300 XL Pro only)

• Connection kit for automatic AutoCreaser Pro 33 & 50 set-up (DigiBook 200 only)