



DIGIBOOK | 150 | 200 | 300XL Pro | 450



THE LATEST GENERATION OF PUR PERFECT BINDERS

DIGIBOOK | 150 | 200

PUR BINDING

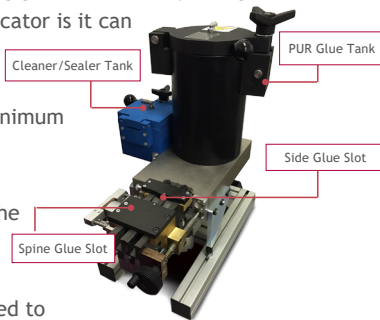
PUR is the strongest, most flexible binding adhesive available and offers several additional advantages over other binding adhesives. When inks, coatings or digital print toners are present in the spine area these can compromise the strength of typical hot melt perfect binding. PUR is resistant to this 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 | 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-specialised personnel, and operated via a touch screen 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 odour 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 touch screen 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.

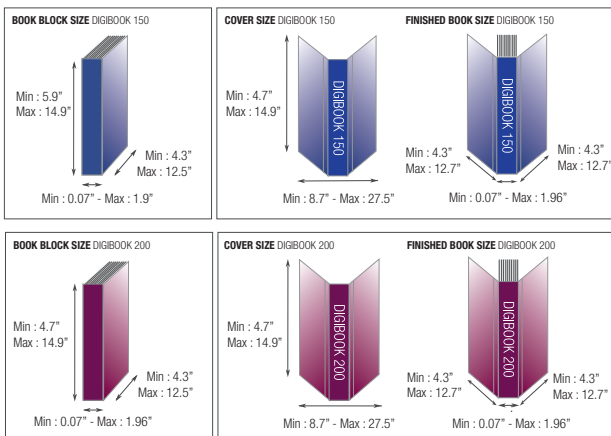


DigiBook 150 - Key product features:

- Up to 100 books per hour
- Touch screen 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
- Touch screen 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
- Automatic book block measuring and set-up



DIGIBOOK | 300XL Pro | 450

PUR BINDING

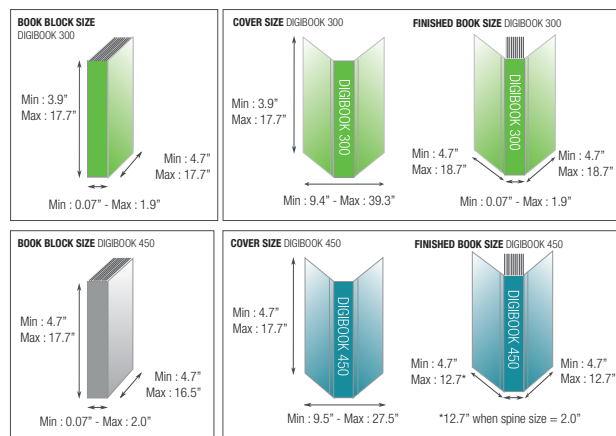
The DigiBook 300 XL Pro and 450 are higher productivity models, ideally suited to litho and digital printers who require short to medium runs of PUR perfect bound books. These two models have the same innovative glue application and cleaning system as the 150 and 200, with the PUR glue being applied 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.



DigiBook 300XL Pro - Key product features:

- 300 books per hour
- Touch screen 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 400 Key product features:

- 450 books per hour
- Touch screen 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

PRODUCT SPECIFICATIONS

DigiBook 150

Books per hour	Up to 300
Number of clamps	1
Touch screen	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	400gsm
Dimensions	L 55.11" x W 35.82" x H 50.00"
PUR glue tank capacity	Up to 6lb.6oz
Machine weight	552lb.3oz
Power requirement	208 - 240V 50/60Hz 16amp

DigiBook 200

Books per hour	Up to 200
Number of clamps	1
Touch screen	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 maximum	27.5" x 14.9"
Cover dimension minimum	8.7" x 4.7"
Cover weight	400gsm
Dimensions	L 69.6" x W 35.4" x H 50"
PUR glue tank capacity	Up to 6lb.6oz
Machine weight	552lb.3oz
Power requirement	208 - 240V 50/60Hz 16amp

DigiBook 300XL Pro

Books per hour	Up to 300
Number of clamps	1
Touch screen	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 maximum	39.37" x 17.71"
Cover dimension minimum	9.52" x 3.93"
Cover weight	400gsm
Dimensions	L 97.25" x W 50" x H 66"
PUR glue tank capacity	Up to 6lb.6oz
Machine weight	1157lb.7oz
Power requirement	32amp, single phase

DigiBook 450

Books per hour	450
Number of clamps	1
Touch screen	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	400gsm
Dimensions	L 1113" x W 65.74" x H 65.35"
PUR glue tank capacity	Up to 6lb.6oz
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 only)
- Connection kit for automatic AutoCreaser Pro 33 & 50 set-up (DigiBook 200 only)
- Optional end paper and cover extension kit available (DigiBook 200 only)

*Disclaimer

As part of our continued product improvement plan, specifications and information published here are subject to change without notice.

All specifications are dependent on application, type of stock, temperature, RH and print engine used.

Specifications quoted were measured on uncoated and unprinted stock.

E & OE.

 **866 463 5060**

Morgana Systems Ltd • 7870 Lehigh Crossing • Victor • NY 14564 • USA • Tel: 866 463 5060 • Fax: 770 565 6163

www.morganausa.com • email: sales@morganausa.com