



DIGIBOOK | 150 | 200 | 300 | 450



THE LATEST GENERATION OF PUR PERFECT BINDERS

DIGIBOOK | 300 | 450

PUR BINDING

DigiBook 300 | DigiBook 450

The DigiBook 300 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 300 - 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 100mm up to 450mm
- Spine thickness from 2 to 50 mm
- 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 100mm up to 450mm
- Spine thickness from 1 to 50 mm
- 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 | 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.

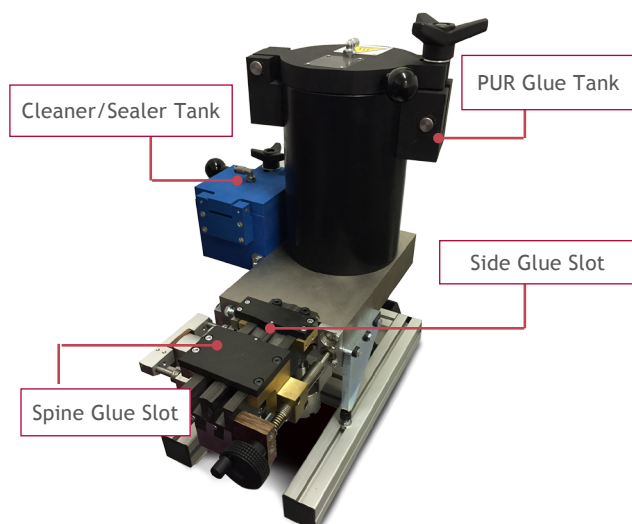
DigiBook 150 | DigiBook 200

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:

- 150 cycles per hour
- Touch screen operation
- Binding length (spine) from 110mm up to 380mm
- Spine thickness from 1 to 50 mm
- 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
- 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 110mm up to 380mm
- Spine thickness from 2 to 50 mm
- 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

PRODUCT SPECIFICATIONS

DigiBook 150

| | |
|------------------------|-------------------------------|
| Cycles per hour | Up to 150 |
| Number of clamps | 1 |
| Touch screen | Yes |
| Maximum book size | 380mm x 320mm |
| Minimum book size | 120mm x 110mm |
| Block/spine thickness | 1 - 50mm |
| Cover dimension max | 700mm x 380mm |
| Cover dimension min | 222mm x 120mm |
| Maximum cover weight | 400 gsm |
| Dimensions | L 1400mm x W 800mm x H 1270mm |
| PUR glue tank capacity | Up to 3kg |
| Machine weight | 250kg |
| Power requirement | 220v, 50/60 Hz, 16amp |

DigiBook 200

| | |
|------------------------|-------------------------------|
| Books per hour | Up to 200 |
| Number of clamps | 1 |
| Touch screen | Yes |
| Maximum book size | 380mm x 320mm |
| Minimum book size | 120mm x 110mm |
| Block/spine thickness | 2 - 50mm |
| Cover dimension max | 700mm x 380mm |
| Cover dimension min | 222mm x 120mm |
| Cover weight | 120 - 400 gsm |
| Dimensions | L 1770mm x W 900mm x H 1270mm |
| PUR glue tank capacity | Up to 3kg |
| Machine weight | 250kg |
| Power requirement | 220v, 50/60 Hz, 16amp |

DigiBook 300

| | |
|------------------------|-----------------------------------|
| Books per hour | Up to 300 |
| Number of clamps | 1 |
| Touch screen | Yes |
| Book length, max/min | 450mm/100mm |
| Book height, max/min | 320mm/120mm |
| Milling width | 3mm |
| Book/spine thickness | 2 - 50mm |
| Cover dimension max | 700mm x 450mm |
| Cover dimension min | 242mm x 120mm |
| Maximum cover weight | 500 gsm |
| Dimensions | L 2470mm x W 1270mm x H 1660mm |
| PUR glue tank capacity | Up to 3kg |
| Machine weight | 750kg (gross) - 525kgs (net) |
| Power requirement | 16amp 3phase + E + N 400v 50/60hz |

DigiBook 450

| | |
|-------------------------|-----------------------------------|
| Books per hour | 450 |
| Number of clamps | 1 |
| Touch screen | Yes |
| Book length, max/min | 450mm/100mm |
| Height of book, max/min | 320mm/120mm |
| Milling width | 3mm |
| Book/spine thickness | 1 - 50mm |
| Cover dimension max | 700mm x 450mm |
| Cover dimension min | 242mm x 120mm |
| Maximum cover weight | 500 gsm |
| Dimensions | L 2870mm x W 1670mm x H 1660mm |
| PUR glue tank capacity | Up to 3kg |
| Machine weight | 1150kg (gross) - 850kgs (net) |
| Power requirement | 16amp 3phase + 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)