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# DigiBook 300

A new dimension to PUR Binding.  
Four times stronger than hot melt.

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 hotmelt 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.

The DigiBook 300 is ideally suited to traditional and digital printers who require short runs of PUR perfect bound books to a professional standard. These innovative machines are 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 DigiBook 300 is an innovative bookbinding machine designed and built for the very latest market requirements. It is easy to use, even by non-specialised personnel, via a touch screen panel with icon graphics that allow the programming of all precision operations in just a few seconds, including startup and shutdown.

There are a thousand alphanumeric memories available, which enable repeat jobs to be saved for later recall, thus providing totally automatic setup in a few seconds.

## Key product features

- Touch screen operation complete with automatic format change.
- 1000 alphanumeric memories available
- 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
- Paper chip extractor
- Patented hermetically sealed PUR application system for spine and side gluing with automatic glue cut-off
- Angled work surface keeps books in a vertical position
- 300 cycles per hour

The DigiBook 300 binding machine uses a new and innovative 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, thus allowing the use of polyurethane glue in 2kg cartridges in a simple and wastefree manner.



Thanks to a double melter system (option available on request), it is possible to use PUR glue and Hotmelt glue on the same machine, using the settings on the panel in real time to select the type of glue used while avoiding any contact between them.

It is possible to set different temperatures for the glue melting tank and the applicator, while also having the advantage of working at low glue melt temperatures, ensuring greater durability and efficiency over time.

The PUR glue is applied on the book spine and on the sides (independently adjustable). The quantity is determined by the height of the applicator and the pressure applied, thus allowing any kind of book to be bound with maximum ease.

The nipping press is a pneumatic system with adjustable lateral pressing force. Pressing time is also adjustable from the panel with a range from 0 to 30 seconds. The press height varies from 0 to 1.5 mm for optimal squaring of the spine and quality of glue application.

One of the patented features of the DigiBook 300 is the angled work surface that keeps the book in a vertical position, making it easy for the operator to pick up. This innovation contributes to significant gains in the effective production cycle and at the same time reduced workload for the operator.

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## technical specifications

Cycles per hour	Up to 300
Number of clamps	1
Touch screen	Yes
Maximum book size	450mm x 300mm
Minimum book size	100mm x 120mm
Milling width	3mm
Block/Spine thickness	1 - 50mm
Cover dimension maximum	710mm x 460mm
Cover dimension minimum	240mm x 120mm
Maximum cover weight	500 gsm
Dimensions	L 1850mm x W 1096mm x H 1373mm
PUR glue tank capacity	2kg
Weight	600kgs
Power requirement	16amp 3phase + E + N 400v 50/60hz

### Options (Must be specified at the time of order)

Double melter system

Automatic Thickness Measurement with direct input to the Binder PLC

Retractable device for cutting and notching (can be excluded for sewn books)

Gauze station for book block production

Automatic cleaning system for PUR nozzle

Note: the production speed varies according to material size

#### \*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.