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Explore

A new dimension to PUR Binding. High strength, lay flat and 4 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 Morgana Explore series is ideally suited to traditional and digital printers who require short to medium run lengths of PUR perfect bound books economically produced 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.

Key product features

- Simple touch screen operation with automatic format change
- Binding Length up to 430 mm
- Book Height up to 310mm
- Book block / spine thickness 2-50mm
- Unique integrated closed gluing system, with pressurised melting tank and slot applicator for spine and side glue application
- Adjustable milling (0-3mm) complete with powerful chip extractor
- Automatic cover press with adjustable timer
- Automatic clamp return to feeding position
- Mechanical machine speed of 500 cycles per hour

The Explore sets new standards in the field of single clamp PUR perfect binding with a machine speed of up to 500 cycles per hour. The unique glue applicator allows for very precise thickness of spine and side gluing allowing books of up to 50mm thick to be professionally finished.

Short make ready times and easy operation allows production of large or small runs economically and quickly. The Morgana Explore meets today's market requirements for professional equipment giving high quality, super strength binding.



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technical specifications

Cycles per hour	Up to 500
Number of clamps	1
Touch screen	Yes
Binding length	Min. 120mm / max. 450mm
Binding height	Min. 105mm / max. 310mm
Block/Spine thickness	2 - 50mm
Cover dimension maximum	700mm x 440mm
Cover dimension minimum	240mm x 110mm
Cover Height	Min. 120mm / max. 360mm
Maximum cover weight	400 gsm
Dimensions	L 2550mm x W 850mm x H 1300mm
PUR glue tank capacity	2kg
Compressed air supply	Minimum 7 bar - Maximum 9 bar
Air consumption	13000 NI/h
Weight	850kgs
Power requirement	17amp 3phase + E + N 400v 50/60hz

Options (Must be specified at the time of order)

Automatic Thickness Measurement with direct input to the Binder PLC

Flap scoring device - Manual adjustment

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

Additional book clamping at the feeding station for special paper types

Nipping station with micro adjustment

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.