

Eurobind 600/600 PUR

HEIDELBERG



Finishing Made Easy. Eurobind 600/600 PUR – Your Gateway to Cost-Effective Adhesive Binding: Short Makeready and Throughput Times, High Flexibility and Product Quality.



With its persuasively professional features, the Eurobind 600 PUR sets the standard among single-clamp adhesive binders.

Professional adhesive binding. With its persuasively professional features combined with advanced technical solutions, the Eurobind™ 600/600 PUR let you produce top-quality adhesive-bound booklets – while also being easy to operate and extremely quick to set up for each job. Quite simply, the Eurobind 600/600 PUR set the standard among single-clamp adhesive binders. They let you perform highly cost-effective adhesive binding of print runs up to 2,500 copies.

High standard. Automated components such as the clamp opening width, block guide of the PUR nozzle, a hotmelt side gluing unit, spine scoring at the cover feeder to suit the block thickness, the scoring depth and the cover pressing station are all standard, as well as an optical safety system in the infeed area, highly effective spine preparation, control of the gluing length, a driven hotmelt side gluing unit, the unique PUR nozzle application system, and a belt delivery.

Add more value. With the Eurobind 600/600 PUR, you're optimally prepared to meet future requirements. You can develop entirely new markets and directly profit from adding more value in finishing. By bringing adhesive binding in-house, you significantly boost your attractiveness as a service provider.

Central touch screen. A high level of automation minimizes the time spent on makeready. All functions are controlled using a central touch screen. The graphical display uses symbols for easy entry of all required format and production parameters and seamless monitoring of production.

Single-clamp system. The clamp opening width is automatically adjusted depending on the data entered on the touch screen. A sensor system offers maximum operator safety when placing blocks in the clamp. A jogging station settable on the touch screen precisely aligns the layers of the block before the clamp is automatically closed.

Highly effective spine preparation. A combination tool that performs the functions of milling, roughening, notching and brushing optimally prepares blocks for subsequent gluing. The dust cutters, roughening teeth and notching tools are exchangeable, and the roughening teeth and notching tools are also height-adjustable. This lets you adjust the Eurobind 600/600 PUR to precisely meet the requirements of a vast range of products. Paper dust and loose fibers are efficiently brushed out and suctioned off.

Outstanding binding quality. Whether you opt for gluing with a hotmelt roller application system or a PUR nozzle application system, the Eurobind 600/600 PUR deliver uncompromising binding quality. The proven hotmelt process enables fast finishing and is characterized by extremely simple handling.



The combination tool of the spine preparation station of the Eurobind 600/600 PUR optimally prepares the sheet edges for gluing.

The PUR technology used ensures reliably high adhesion to the sheet edges so finished products can be opened flat without problem, even with difficult materials such as heavily coated papers and digital print products.

Hotmelt roller gluing system. The Eurobind 600 uses two rollers to apply hotmelt adhesive to the spine. A height-adjustable blade smooths the adhesive film to a defined thickness. Side gluing is integrated in the hotmelt roller application system for the spine, being performed by oblique disks; production without side gluing is also possible, however. The starting and stopping points for spine gluing and the glue temperature can be set on the touch screen.

PUR nozzle application system. The Eurobind 600 PUR uses an innovative nozzle application system to evenly apply PUR adhesive. This reduces glue consumption while ensuring high strength and durability with minimal cleaning requirements. The system works by the volumetric principle and is driven by a gear pump. This makes it independent of the adhesive's viscosity, temperature and pressure – and ensures that exactly the same amount of adhesive is applied to each block.

The parameters for the adhesive film are entered on the touch screen; the required feed rate is then automatically calculated. A separate hotmelt side gluing unit with oblique gluing disks applies glue to the sides of the blocks. Production without side gluing is also possible. The starting and stopping points for spine and side gluing as well as the glue temperature are easy to set on the touch screen.

Horizontal cover feeder with scoring and pressing stations. The horizontal cover feeder uses suction from above. The integrated scoring station permits either double or quadruple scoring. An integrated missing sheet detector ensures quality. The vacuum and blast air can be adjusted. It is possible to change the pressing time of the automatic cover pressing station as well as lateral pressure on the touch screen.

Delivery systems. The delivery is designed to ensure optimum glue stabilization in different production environments. The Eurobind 600 is equipped with a belt delivery with single-compartment stacker. The Eurobind 600 PUR features a lift-type delivery followed by a belt delivery with single-compartment stacker. This allows gentle transport of the book blocks, which is especially important with soft PUR-bound products.



The glue nozzle technology of the Eurobind 600 PUR allows precise application of PUR adhesives.

Optional extensions. Optionally available are different scoring geometries, a hotmelt premelter, a system for suctioning off glue vapors, self-calibrating double and missing sheet detectors, raising scoring tools and an automatic single-compartment stacker. This lets you extend the range of uses of your adhesive binder and/or lastingly increase its productivity.

The effects on your production process:

- **Quality:** High-precision spine preparation with a powerful, newly developed combination tool perfectly prepares the product for glue application. Alternative glue application systems ensure high binding quality.
- **Makeready times:** Extensive automation reduces makeready times for format changes to a minimum.
- **Flexibility:** The hotmelt roller application system and PUR nozzle application system enable production conditions to be ideally adapted to different product requirements.
- **Cost-effectiveness:** Short makeready times make production more cost-effective, while integration of adhesive binding technology adds value.

Technical Data

Eurobind 600/600 PUR

Performance

Mechanical	600 cycles/h
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Clamps

Number of clamps	1
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Block formats

Block width	120 mm – 320 mm (4.72 in – 12.60 in)
Block height	120 mm – 440 mm (4.72 in – 17.32 in)
Block thickness	2 mm – 50 mm (0.08 in – 1.97 in)
Signature grammage	60 gsm – 170 gsm

Cover formats

Overall cover width	242 mm – 710 mm (9.53 in – 27.95 in)
Cover height	120 mm – 440 mm (4.72 in – 17.32 in)
Width of front/ back cover	120 mm – 330 mm (4.72 in – 12.99 in)
Cover grammage	120 gsm – 300 gsm

Spine preparation station

Milling depth	0 mm – 3 mm (0 – 0.12 in)
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Horizontal cover feeder

Max. pile height	150 mm (5.91 in) depending on material
Scoring	Double or quadruple
Distance between spine and ornamental scores	6 mm (0.24 in)

Power supply in Europe

400 V, 50 Hz, 3 phases + N + PE/18 A (20 A)/9.9 kVA

Power supply in the U.S.

220 V, 60 Hz, 3 phases + PE/25 A (25 A)/7.6 kVA

Compressed air supply

Working pressure	6 bar
Compressed air consumption	250 NI/min (free of oil and water)

Dimensions and weight of Eurobind 600/600 PUR

Length × width × height	3,100 mm × 2,290 mm × 1,325 mm (10.17 ft × 7.51 ft × 4.35 ft)
Weight	Approx. 1,050 kg (2,315 lbs)

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