

Eurobind 1300/1300 PUR

HEIDELBERG



The Most Advanced Adhesive Binder in Its Class. Eurobind 1300/1300 PUR – Innovative Technology and Extensive Automation for Top Quality and Minimal Makeready Times.



The innovative design of the Eurobind 1300 PUR ensures outstanding ergonomics.

The basis for your success in the market. Fast format changes and makeready – the Eurobind™ 1300/1300 PUR are the professional four-clamp adhesive binders for speeds up to 1,300 cycles an hour. This is the ideal equipment for processing booklets print runs with up to 7,500 copies. Because you spend minimal time on makeready, you can produce efficiently and deliver jobs significantly faster. A spine preparation station that is unique in this machine class optimally meets the prerequisites for top-quality adhesive binding.

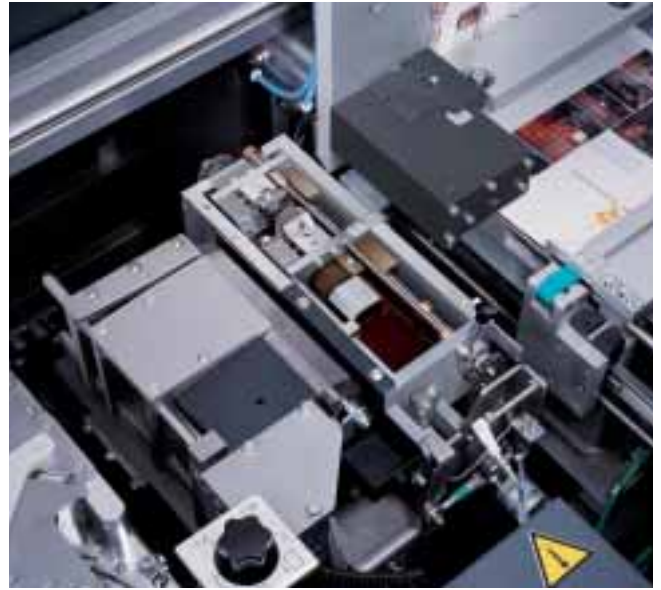
Forward-looking production. The many highlights of this adhesive binder include an automatically settable jogger in the block infeed, an outstanding spine preparation station, a nozzle application system for applying PUR adhesive to the block spine, a vertical cover feeder with integrated double scoring system, and a high-quality lift-type delivery with integrated grippers. The Eurobind 1300/1300 PUR operate intermittently: the clamps are manually loaded while the machine stands still. The cover pressing time can be flexibly adjusted to the product. The result: reliable adhesive binding and precisely shaped block spines.



The combination tool of the spine preparation station of the Eurobind 1300/1300 PUR optimally prepares the sheet edges for gluing.

Fast makeready. The clamp opening width of the Eurobind 1300/1300 PUR is automatically set to the appropriate value. Sensors at the infeed station ensure operator safety when inserting blocks into the clamp. A jogger (settable via the touch screen) precisely aligns the block before the clamp is pneumatically closed. All required format and job parameters are entered using the touch screen. All values that depend on the block's thickness are automatically calculated and set; the cover pressing station also sets itself completely automatically. The touch screen displays errors, production and job management information and also includes a copy counter and a programmable preheating timer for the gluing unit. The milling depth can be set very quickly using a handwheel.

Spine preparation. The spine preparation station consists of a combination tool with dust cutters, roughening and notching teeth, and a ring brush. The counterblade has replaceable carbide teeth. The height-adjustable roughening teeth ensure effective exposure of the paper fibers. Especially with critical papers, this translates into significantly better-quality binding. Height-adjustable notching tools enlarge the surface area for the hotmelt or PUR adhesive to bind with. This optimally prepares the sheet edges and strengthens the resulting bond. Paper dust and loose fibers are efficiently brushed out and suctioned off.



The nozzle technology of the Eurobind 1300 PUR allows precise application of PUR adhesives.

Hotmelt roller application system. The hotmelt adhesive tank is equipped with two block spine gluing rollers and a counterrotating, height-adjustable and separately heated spinner roller for smoothing the adhesive. Side gluing is done by oblique disks; however, production without side gluing is also possible. The spine and side gluing lengths and the glue temperature can be controlled via the touch screen.

PUR nozzle application system. The innovative PUR nozzle application system of the Eurobind 1300 PUR 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. The height-adjustable nozzle makes it possible to apply an extremely uniform film of adhesive that is reliably duplicated on block after block. There is no need to halt production to melt a fresh stick of PUR. This facilitates operation and maximizes machine uptime. The temperatures on the melting plate, in the tank, in the supply and return hoses, and in the nozzle head are separately controllable.

Glue is applied to the sides of the block by a separate hotmelt side gluing unit with oblique disks; alternatively, production without side gluing is also possible. Precise stopping and starting of gluing for the spine and sides is easy to set on the touch screen.

The productivity of the hotmelt application systems can be increased further with optional premelters. Suction removal of glue vapors is also optionally available for all glue application systems.

Vertical cover feeder with scoring station. The cover feeder can be loaded on-the-fly. High-quality scoring is ensured by separately driven, single-piece shafts and independent setting of the scoring depths on the left and right. Wide rubber wheels precisely and reliably advance the covers. The magazine stops can be set to the cover format. Optionally available are missing and double sheet detectors, scoring wheels with different geometries, and disengageable scoring wheels. The vacuum and blast air are adjustable. It is possible to change the pressing time of the automatic cover pressing station as well as lateral pressure on the touch screen.

Lift-type delivery with grippers. Integrated grippers with adjustable clamping pressure make sure that the book blocks are optimally conveyed. Even demanding combinations such as thin paper for the inside pages and a stiff cover are dependably and gently carried to the belt delivery.



In the Eurobind 1300/1300 PUR, a lift-type delivery with integrated grippers also reliably conveys difficult combinations of stocks.

Inline production. The Eurobind hotmelt and PUR versions can both be extended to create a Eurobind 1300/1300 PUR Line by adding a cooling section and a Eurotrim 1000 automatic three-knife trimmer. This lets you efficiently produce small print runs of adhesive-bound booklets, including trimming on three sides.

The effects on your production process:

- **Productivity:** With its innovative PUR nozzle application system, the Eurobind 1300 PUR is highly productive and adds value – without interrupting production in order to melt down a new stick of PUR.
- **Makeready times:** Automation minimizes makeready times and makes production more cost-effective.
- **Added value:** With the Eurobind 1300/1300 PUR Line, the value added chain can be extended in the postpress sector in a way that is highly attractive to customers.
- **Quality:** The unique spine preparation station with its powerful combination tool and smooth book-block transport even for difficult products ensures adhesive binding of the finest quality.

Technical Data

Eurobind 1300/1300 PUR

Performance

Mechanical	1,300 cycles/h
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Clamps

Number of clamps	4
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Block formats

Block width	120 mm – 300 mm (4.72 in – 11.81 in)
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Block height	145 mm – 360 mm (5.71 in – 14.17 in)
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Block thickness	2 mm – 45 mm (0.08 in – 1.77 in)
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Signature grammage	60 gsm – 170 gsm
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Cover formats

Overall cover width	242 mm – 685 mm (9.53 in – 26.97 in)
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Cover height	145 mm – 370 mm (5.7 in – 14.57 in)
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Width of front/ back cover	120 mm – 320 mm (4.72 in – 12.60 in)
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Cover grammage	120 gsm – 300 gsm
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Spine preparation station

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

Max. pile height	150 mm (5.91 in) depending on material
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Scoring	Double or quadruple
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Distance between spine and ornamental scores	6 mm (0.24 in)
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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
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Compressed air consumption	510 NI/min (free of oil and water)
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Dimensions and weight of Eurobind 1300/1300 PUR

Length × width × height	4,085 mm × 2,565 mm × 1,455 mm (13.40 ft × 8.42 ft × 4.77 ft)
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Weight	Approx. 2,200 kg (4,850 lbs)
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