



PräziPur Pro

Automatic single-clamp perfect binder for PUR Type Pro

Single-clamp perfect binder for PUR and/or hotmelt

PräziPur Pro is an automatic single-clamp perfect binder for binding with PUR adhesive for short-run and medium-size production.

It works with a patented, closed PUR application system with nozzle, with which both back and sides may be glued. An adjustable glue cut-off system removes superfluous glue at the top and bottom of the spine. It is equipped with a pressurized melting tank for 2kgs PUR melting cartridges.

A built-in automatic cleaning system facilitates the cleaning of the nozzle after use and prevents the glue from reacting with the nozzle.

The **PräziPur Pro** may be equipped with an optional hotmelt unit which enables it to process hotmelt glue instead of PUR glue. Changing from one glue type to the other is very easy and does not require any mechanical changes.

All settings are controlled by a multi-colour touch-screen display. Block thickness and length are measured by means of an automatic thickness and length detection, and the data is transferred directly into the machine's PLC.

PräziPur Pro is equipped with a professional milling station with interchangeable notching tools to prepare the book block for the PUR binding. The milling depth is adjustable from 0 - 4 mm. A suction device removes paper dust and chips.

By means of a built-in, adjustable jogger an exact alignment of the sheets in the binding area is ensured.



Technical data:

Floor space: 310 x 110 cm

Height: 140 cm

Weight: ca. 920 kgs

Power supply:
400 V / 50 Hz (three-phase)

Air pressure: 8 bar

Block thickness: 2 - 50 mm

Block width: 105 - 310 mm

Block height: 145 - 450 mm

Max. cover size (open):
450 - 700 mm

Mech. cycles: appr. 500 / hour

Output: appr 300 - 350 pcs / hour

Subject to technical alteration.

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PräziPur Pro

Either covers for softcover books or **PräziCover** combined endsheets may be placed into the automatic, vacuum-supported cover feeder up a stack height of max. 120 mm.

Once the book block has received the **PräziCover** endsheets, it is ready to be cased-in on the **PräLeg** casing-in machine without further preparation.

By means of a double scoring wheel, softcovers may either be equipped with two or four scores. The spine width (scoring distance) is adapted automatically. Lay down delivery onto a motorized belt ensures gentle transport of the ready book blocks.

The principle of operation

First of all, the covers (for softcover) or the **PräziCover** combined endsheet (to prepare the book block for casing-in) are placed on the cover feeder. The max. stack height is 120 mm.

All basic settings are edited on the touchscreen display. These settings may be saved, i. e. if the basic settings are to remain unchanged, no new entries are necessary. Production may be started immediately.

The dimensions of the book block are measured automatically with the block thickness and length detection and the data is transferred automatically into the machine's PLC. Now, the book block is placed into the clamp and the loose sheets are aligned by means of a built-in jogger. By pressing the two start buttons simultaneously, the working cycle is started.

The clamp closes, the book block is pressed and guided across the milling station. The milling disc with interchangeable notching tools mills the spine (milling depth adjustable from 0 - 4 mm) to prepare it for the PUR binding. The suction device sucks in any paper chips and dust



immediately.

When processing softcovers, these may now be scored twice or four times by means of double scoring wheels. The wheels may easily be switched on and off to change from two to four scores or vice versa.

After milling, the book block is moved to the gluing unit.



The nozzle glues the spine according to the preset glue length and applies a glue strip on both sides.

After the gluing process the book block is moved into the cover station together with the cover and/or **PräziCover** combined endsheet. The cover is now pressed onto the book block on the spine and on both sides. After a few seconds, the clamp releases the book block and returns to its home position. The ready book block is lowered onto a motorized belt to ensure smooth transport.

Optional equipment:

Lowerable milling station - to keep the sewing of sewn book blocks

Hotmelt unit - to use hotmelt glue instead of PUR glue

Advantages of PräziPur Pro:

- closed PUR application system via nozzle
- easy change from PUR to hotmelt glue
- simple cleaning
- ideal for shortrun and medium-sized production

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