



PräziPur

Automatic single-clamp perfect binder for PUR Type 61

Single-clamp perfect binder for PUR

PräziPur Type 61 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 and is equipped with a pressurized melting tank for 2kg 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.

All settings are controlled by a multi-functional touchscreen display. The block thickness is measured by means of an automatic thickness detection, and the data is transferred directly into the machine's PLC.

PräziPur is equipped with a milling station with a milling disc with notching knives made of Tungsten Carbide to prepare the book block for the PUR binding.

Moreover, it has a glue length control and a built-in side-gluing device.

Either covers for softcover books or **PräziCover** combined endsheets may be placed into the automatic cover station. Without further preparation, the book block is ready to be cased-in on the **PräLeg** machine. Pressure as well as pressure time may be adjusted via touchscreen.

A motorized back stop facilitates the manual positioning of the cover/the **PräziCover** endsheet.



Technical specifications:

Floor space: 185 x 80 cm

Height: 140 cm

Weight: approx. 333 kgs

Power supply:
230 V / 50 Hz / 16 A

Air pressure supply: 8 bar

Block thickness: 2 - 50 mm

Block width: 120 - 310 mm

Block height: 120 - 450 mm

Cover width: 240 - 710 mm

Cover height: 120 - 460 mm

Cover thickness: 80 - 350 g/m²

Output: approx. 150 cycles / hour

Subject to technical alteration.

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The principle of operation:

First of all, the cover (for softcover) or the **PräziCover** combined endsheet (to prepare the book block for casing-in) is placed on the cover station. A motorized back stop facilitates its correct positioning.

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.

Initially, the dimensions of the book block are entered. Now the block thickness is measured by means of the block



thickness detection and transferred automatically into the machine's PLC. Now, the book block is placed into the clamp. 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



notching knives made of Tungsten carbide mills of the spine (milling depth approx. 0.5 mm) to prepare it for the PUR binding.

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. Thereby, the book block is held by hand and then removed.

Optional equipment:

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

Spine cut-off - to cut open folded sheets before binding (max. 2 mm)

Backlining station - To equip book blocks made with **PräziCover Tab** with calico or backliner

Advantages of PräziPur:

- closed PUR application system via nozzle
- very short set-up time
- simple cleaning
- ideal for shortrun and medium-sized production as of 1 piece

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