



PräLeg

Casing-in machine Type 18

Processor-controlled casing-in machine

The **PräLeg** is a microprocessor-controlled casing-in machine. With its well-coordinated sequence control, the **PräLeg** can be used for casing-in within bookbinderies manufacturing short-run and widely varying size books, as well as for series production in industrial bookbinderies and printing works.

The machine operates on the well-known principle of one blade for holding and transporting the book block between the gluing units. Largely without a need for format settings, small and medium-sized editions can be processed just as easily as special-sized and constantly-changing formats.

Control of specific procedures at the gluing stage and subsequent transport of the block to the case is controlled by the programmable microprocessor unit. This facility can be used to adapt the gluing process to a variety of block types (e.g. photo albums) and to different kinds of backliner.



Technical data:

Floor space: 85 x 80 cm

Height: 173 cm

Weight: 185 kgs

Power supply:
200 - 240 V - 1 phase

Air supply: 6 bar

Book sizes:

Book height

Type 18 80 - 340 mm
Type 18 XL up to 440 mm

Book width:

110 - 450 mm

with special accessory: as of 60 mm

Book thickness:

2 - 80 mm

Output:

Multiple production: 200 - 300 pcs / h

One-off production: 100 - 150 pcs / h

Subject to technical alteration.

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The principle of operation

The machine has two separate gluing units for applying glue to the two end papers of the book block. The glue is fed from the glue pots by means of two tubes.

The gluing units have no glue trays. During the production process the glue is held on the upper side of the glue rollers. Two glue limiters made of plastic prevent the glue from dripping downwards. The fact that no glue tray is required means that the machine is especially easy - and quick - to clean.

After switching the machine on and opening the glue-supply tubes, the **PräLeg** is immediately ready for operation.

At the start of the operating cycle the blade is located in the upper position. A book block is opened at the centre, placed on the blade and pushed against the rear limit stop. A centre-finder assists in opening the book block,



especially in cases of constantly-changing block thickness.

The casing-in cycle is next triggered. A push button in the control panel serves to this end. The blade drives downwards between the gluing units.

While the blade is travelling downwards one places the book in the case mountings. It is automatically centred by means of these mountings. A backstop ensures that the upper and lower cover-rim overlaps (or squares) are exactly conformed to.

When the blade has reached the gluing position the gluing units come together pressing briefly against the book block in the area of the joint. The microprocessor ensures

that the spread of glue is somewhat thicker in the joint area. The additional thickness of the glue applied to the



joint can be regulated independently of the normal spread thickness, thereby adjusting the glue level to suit the overlap of mull. The length of the additional gluing surface can also be set via the control unit, so that even widely overlapping mull represents no problem.

After the pressing of the rollers against the joint, the blade begins to move upwards and glue is applied to the two endpapers. The speed at which the blade travels matches precisely the rotation of the gluing rollers. This ensures the level of glue applied to the end papers is consistent. At the end of the cycle the blade guides the book block to the case, coming to a halt in the upper position. The book block and the case have now been bound as a book. This book is next taken from the blade and is pressed in a pressing machine (e.g. our **PräForm** - see the last page of this brochure).

The machine is again in the home position and the same procedure is repeated for each book to be cased in.

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Special version

The standard version of **PräLeg** already covers a wide range of book sizes to be cased in. However, we additionally offer the **PräLeg** in a special version as Type 18 XL) with extra-wide rollers. The height of the book that can be glued is increased to 440 mm, permitting German-industrial-norm-sized DIN A3 books in terms of format height and width to be processed.

Machines with even larger rollers have already been pro-

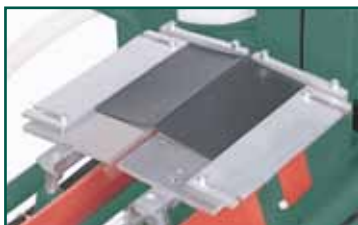


duced as special (custom-built) manufactures. We can make you a separate offer for such machines by request.

Special accessory for small books

We offer a special case support system as an optional accessory for the processing of soft and/or very small covers or cases.

It is a table-top unit that is used instead of the normal case-guide on to which small, soft and hardback book covers are positioned flatly.



This case-support unit enables the **PräLeg** to be used for very small books with book-block dimensions of down to 60 mm being processed.

Other accessories

As a further accessory, we offer the sensor switch „book block stop“ which is fitted to the back of the blade. This switch activates the cycle immediately after placing the book block onto the blade. It replaces the manual release of the blade movement and thereby increases production speed especially during multiple production.



To achieve a perfect viscosity of the glue, we offer the optional automatic water feed called **PräVis**.

The cleaning of the rollers is simple.



Advantages of the **PräLeg**:

- Easy operation
- Programme selection via display menus
- Very short set-up and clean-down times
- High performance under one-man operation
- Can - using extra equipment - also process books with flexible covers and extremely small formats

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PräLeg + PräForm



PräLeg and PräForm, a perfect match

For product-line casing-in of books and for series production we recommend the combination of the **PräLeg** casing-in machine and the **PräForm** Type 21 or 55 pressing unit and joint-setting machine.

Both machines were designed for joint use. Both can be operated by a single person. The employment of two ope-

rators brings no corresponding improvement in the level of performance achieved.

Use of these two mutually coordinated units helps in itself to ensure high productivity. Performance can reach a level of up to 360 (with **PräForm** Type 55) cased-in books an hour. (This performance may vary according to the nature of the product).

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