The World of Bookbinding.

PräLeg

Casing-in machine

The **PräLeg** is a casing-in machine for books. 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 touchscreen. 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.

The glue feed into the gluing units is controlled by pumps.

To achieve a pefect viscosity of the glue, an automatic water feed is integrated into the machine. Water can be added to the glue in intervals either automatically or manually.

The machine also has an automatic cleaning system which is activated by touchscreen.

The **PräLeg** is available in two sizes:

PräLeg: with 350 mm roller width (processes books up to 340 mm height
PräLeg XL: with 450 mm roller width (processes books up to 440 mm height)

Technical data:

Floor space: 85 x 80 cm	
Height: 185 cm	
Weight: ca. 300 kgs	
Power supply: 200 - 240 V (50Hz, 0.6kW)	
Air supply: 6 bar	

Book sizes:

Book height

Standard	80 - 340 mm
XL	80 - 440 mm
Book width:	110 - 450 mm
Book thickness:	2 - 80 mm

Output:

Multiple production:	200 - 300 pcs / h
One-off production:	100 - 150 pcs / h

Subject to technical alteration.

PräLeg

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 into the gluing units by pumps.
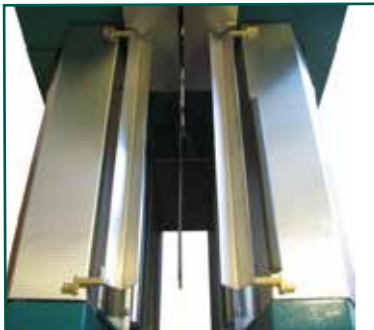
At the start of the operating cycle the blade is located in the upper po-

sition. A book block is opened in the centre, placed on the blade and pushed against the rear limit stop. The casing-in cycle is next triggered. The blade drives downwards between the gluing units.

While the blade is travelling downwards the book case is placed in the case mountings. It is automatically centred by means of these mountings. A back stop ensures that the upper and lower cover-rim overlaps (or squares) are equal.

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 machine control ensures that the spread of glue is slightly thicker in the joint area. The additional 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 aplied to the end papers is even. At the end of the cycle the blade guides the book block into the case, coming to a halt in the upper position. This process is supported by

pressing the case onto the book block. The book block and the case have now been bound to a book. This book is next taken from the blade and is pressed in a pressing and joint-setting machine (e.g. our *PräForm* or *Pro*).

With its automatic cleaning system, the machine may be cleaned easily and quickly after use.

Optional accessories:

Special accessory for small books for the processing of soft and/or very small covers or cases with book-block dimensions of down to 60 mm.

Barcode reading system - to secure the matching of book block and case. When the codes match, the casing-in process is activated automatically.

Advantages of the *PräLeg*:

- Easy operation
- Control via touchscreen
- Very short set-up and clean-down times
- High performance under one-man operation
- Automatic cleaning system

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