



# PräForm

Book press and joint-setting machine Type 21

## Book press and joint-setting machine

The **PräForm** is especially designed to be used together with the **PräLeg** casing-in machine and processes single books as well as series of books.

The **PräForm** Typ 21 is equipped with two heated light-metal pressing plates of 520 x 400 mm and with heated joint formers. The machine is factory-equipped with rounded ("bull-nose") joint formers for gentle joint-setting especially for cellophaned and laminated papers as well as other binding materials such as cloth. The pressure of the joint formers is adjustable independent of the pressing plates and may therefore be adapted to the binding material used and the joint depth required.

The temperature of the joint formers is controlled by thermostat and is set according to the requirements of glue, binding material and also working speed.

The machine is equipped with a timer to adjust the pressing time. After this period of time, the press opens automatically and the book can be taken out. Therefore, the working cycle can be adapted precisely to the casing-in speed, i. e. the **PräForm** is already open when the next book is to be inserted. This speeds up the working process considerably.

The pressure of the pressing plates is adjustable on two levels so that even sensitive products may be processed with 50% pressure.



### Technical data:

<b>Floor space:</b>	73 x 77 cm	<b>Book sizes:</b>	
<b>Height:</b>	128 cm	<b>Book height:</b>	up to 520 mm
<b>Weight:</b>	220 kgs	<b>Book width:</b>	120 - 400 mm
<b>Power supply:</b>	400 Volt / 50 Hz / 2.0 kW (three-phase)	<b>Book thickness:</b>	8 - 100 mm
<b>Air supply:</b>	6 bar	<b>Output:</b>	100 - 180 pcs/h (depending on the material used)

Subject to technical alteration.

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## PräForm

### The principle of operation

After casing-in the book is placed on the bottom pressing plate with the joint lying on the joint former. The upper joint former is marked by a light line.

When single (assorted) books are being produced, the top pressing plate can be lowered onto the book by foot-



treadle to align the book with greater accuracy.

For series production, the machine is equipped with a back stop which is adjusted to the book size and therefore ensures a quick and equal alignment.

The pressing process is activated by a push-button. The pressure of the joint formers is established when the pressing plates are already pressing. This ensures that upper and lower joint are pressed equally. Moreover, temperature, pressing time and pressure of the joint formers can be adapted to the product to obtain perfect results.

After the preset pressing time, the machine opens automatically and the pressed book can be removed. Usually it is then stacked to dry out and does not need any more pressing.

Working speed and operation of the **PräForm** are matched for use with our **PräLeg** casing-in machine. Both machines can be operated by one person so that a high output can be achieved. However, the pressing of books cased-in manually is also possible.

### Optional accessory

To burn-in the joint on stronger binding materials (e.g. cloth, leather cloth etc.) we offer pointed joint formers.

### Special accessory

To work more efficiently when producing series of books, we offer a conveyor to be fitted to the back of the **PräForm**.

When using this conveyor, the back stop is removed from the machine. Pressed books are not taken out at the front of the machine but are pushed further into the machine by the next book to be pressed. There it is pressed a second time. When the third book is being pressed, the first is pushed further to the back until it leaves the machine onto the roller conveyor. The conveyor returns the ready book to the front in a sharp (90°) bend.

As the books are pressed twice when the conveyor is used, the pressing cycle can be shortened. The work flow, especially when using it together with the **PräLeg**, is therefore even more efficient than when using the back stop.

### Special versions

Besides the standard machine for the production of books we also supply customised versions (e.g. for the pressing of video-tape covers). Special tools are thereby made according to product samples supplied.

In case of interest, please ask our technical department. We will find a solution to your problem.

### Advantages of the PräForm:

- Pressing and joint-setting at the same time saves time.
- To burn-in the joints on adhesive still fresh from casing-in achieves an unsurpassed durability of the joints.
- A much improved appearance of the books as the joints are set clearly and permanently against the cover edges

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