



The World of Bookbinding.

# PräColl

Fan-binding machine Type: HHS 10



## Fan-binding machine

The **PräColl** HHS 10 is a semi-automatic fan-binding machine for one-off and multiple production of book blocks. The entire gluing process is done automatically. A microprocessor controls the gluing unit and the fanning process. Depending on the paper quality, the book block can be glued once, twice, three or even four times. This is set on the control panel at the touch of a push-button.

Just as the previous model **PräColl** HHS 11, this machine also uses the well-known quick-acting clamps that hold the book block during the gluing process.

The **PräColl** HHS 10 achieves its highest output if operated by two people. Therefore it has a clamping station on each side to press in and press out the book block. It may also be operated by one person but they would not achieve full productivity.

### Technical data:

<b>Floor space:</b>	89 x 126 cm	<b>Delivery includes:</b>	1 delivery table, 3 drying clamps,
<b>Height:</b>	ca. 128 cm w/o, ca. 219 cm w/ support frame		1 glue tray, 1 washtub, 1 support frame, 1 mull shelf
<b>Weight:</b>	ca. 160 kgs	<b>Book block sizes:</b>	
<b>Power supply:</b>	400 Volt / 50 Hz / 0.6 kW (three-phase)	<b>Block width:</b>	70 - 300 mm
<b>Air supply:</b>	6 bar	<b>Block height:</b>	50 - 345 mm
		<b>Block thickness:</b>	4 - 80 mm
		<b>Output:</b>	150 - 200 / h
			Subject to technical alteration.

Bookbinding machines - Bookbinding tools - Bookbinding supplies

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### The principle of operation:

On the front side of the machine is the clamping device. The book block is inserted into the pressing device with its back facing downwards to ensure that all pages are in a correct position for gluing. In the clamping station, the book block is pressed into a gluing clamp. The gluing clamp is then lifted and placed onto the fixing plates of the gluing unit. The operator presses the start button, the clamp is locked in position and the gluing process starts. The gluing process is effected by the moving gluing unit.

The gluing unit has one glue roller with two squeegees and glue feeders. For the first fanning the gluing unit runs underneath the book block to apply the first layer of glue. Then the direction of rotation of the glue roller changes, the gluing unit runs back thereby applying a second layer of glue to the book block from the other side. This process is repeated as many times as pre-set on the control panel. For library bindings, double fanning is standard procedure.



When the gluing process is finished, the clamp is unlocked. The second operator lifts the clamp and turns it so that the freshly glued spine of the book block faces upwards. The front edge of the book block is now pressed in the clamping station underneath the drying clamp. The drying clamp is opened lightly, lifted up pressed together by hand right underneath the glued spine. Now, a mull may be applied manually.

The book block should be left in the clamp during the drying process, to stop moisture from seeping too deeply into the back, which may cause the paper to cockle, especially when art paper is used. Moreover, the clamp helps to form a thicker joint to facilitate the rounding of the book.

For the drying process, we recommend our infra-red heated drying device **PräSeco** HHS 3320.

### Cleaning

For cleaning in a water bath, squeegees and glue feeders are taken off without further dismantling. Then the glue roller is taken out towards the top, placed in the delivered wash tub and cleaned by turning it in the water bath.

The gluing unit incl. all parts in contact with the glue, are made of stainless steel.

Setting up the machine takes less than 2 minutes, cleaning approx. 3 – 5 minutes.



### Special features

A special feature of the **PräColl** HHS 10 is a support frame on which the drying clamps are hung up ready to hand. Moreover, the frame is equipped with a shelf for pre-cut mull strips.

### The **PräColl** HHS 10 is available in two versions:

- **Type HHS 10 G**  
for gluing flat book blocks, brochures etc. With built-in jogging device
- **Type HHS 10 RR**  
for gluing both flat and round back books. Without jogging device, but with differently shaped rounding blocks which are inserted into the machine.

### Accessories:



Drying clamp



Set of rounding blocks