

# The World of Bookbinding.

## PräziCase

*Semi-automatic casemaker*

**PräziCase** is a semi-automatic machine for the production of one-off and multiple book cases. Without complex set up runs of 1 - 500 pieces or more can be produced economically. Thanks to the unique control technology used in this machine, the size of the cases to be produced is secondary. All dimensions are measured by sensors and are preset automatically (corner tucking optional).

The machine is operated by one person, who glues the cover material (on a gluing machine), puts the boards into place and, in a second work step, turns and repositions the case for turning in the two remaining edges. The actual casemaking process, i.e. turning in all four edges, tucking in the corners and finally pressing the case is done automatically. The corners are tucked in neatly by means of two tuck fingers after the long edges have been turned in and before the short edges are being turned in. Manual pressing as known for other systems is not required.



### Technical data:

<b>Floor space:</b> 122 x 77 cm	<b>Standard version</b> (open format)
<b>Height:</b> 117 cm	<b>Case height:</b> 100 - 355 mm
<b>Weight:</b> 228 kgs	<b>Case width:</b> 216 - 760 mm
<b>Power supply:</b> 230 V / 50 Hz / 10 A (A.C.)	<b>XL version</b> (open format)
<b>Air supply:</b> 6 bar - 20 ltr/min.	<b>Case height:</b> 100 - 455 mm
<b>Output:</b> up to 120 pcs / h	<b>Case width:</b> 216 - 914 mm
<b>Finished case sizes:</b>	<b>Minimum panel size (single sheet, front or rear panel):</b> 100 x 100 mm
	<b>Board thickness:</b> 1.5 - 3.5 mm
	<b>Spine width:</b> 6.4 - 82 mm
	Subject to technical alteration.

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### The principle of operation:

Basic settings are edited on the touchscreen display. If the basic settings are to remain unchanged, no new entries are necessary. Production may be started immediately.

First the cover material with trimmed corners is glued on a



gluing machine and placed on the machine table. The upper overlap of the turn-in is adjusted by a variable stop. Lateral adjustment is done by means of a centered scale on the table or, if the cover material is pre-printed by means of a built-in mirror case. When producing multiple cases (of the same size) a side stop facilitates alignment.

Now the spine hollow is clamped between the joint bars. By pressing the cycle button, the joint bars are lowered and positioned on the spine hollow on the cover material. The two boards are placed manually abutting the guide angle.

Two sensor arms are now placed against the boards in such a way that they rest against the left and bottom board edges. They measure the size of the book case automatically.

Now the working cycle is started by pressing the cycle button on the touchscreen.

This will raise the joint bars, carry the cover/board assembly into the machine where it is collected by the first pair of rollers which forward it to the turning-in bars. One long edge is turned in. The case is forwarded to the second pair of rollers which lead it to the turning-in bars from the other side. The second long edge is turned in, and the case is led back to the front of the machine.

The operator now turns the case by 90°, pushes it against the left side stop and leads it back into the machine with its short side first.



By means of two tuck fingers, two corners are tucked in and the first short edge is turned in. The case is transported to the second pair of rollers which again lead it to the turning-in bars from the other side. The remaining corners are tucked in and the second short edge is turned in. Then the ready case leaves the machine towards the back.

During each process, i. e. four times in total, the book case is pressed by the pairs of rollers, so that even difficult materials are pressed efficiently.

Even after short training only, an output of 100 - 120 cases per hour may be achieved by one operator.

Besides book cases almost any turned-edge product with single-, triple-, multi-part or asymmetric cases may be processed, among them cases for ring binders, menu covers, photo albums, folders, calendar backs and gameboards. Various special case supports are available for these applications.

### Advantages of the PräziCase:

- No adjustments to different sizes
- The operator does not need to have technical skills
- Proven technology for great reliability
- The machine is versatile. Almost any turned-edge product may be processed
- The machine offers superior payback