

The World of Bookbinding.

PräDeka

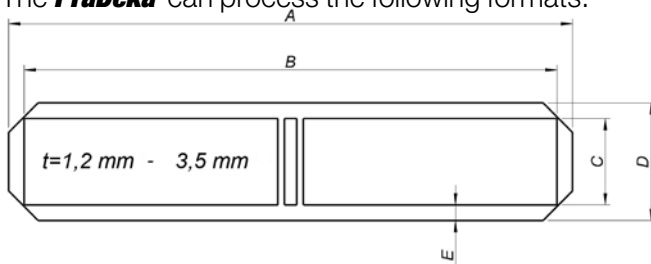
Case-making system

The **PräDeka** is designed to produce hardcover book cases for single (assorted) as well as small series of books.

It consists of the following components

- **PräDeka** system base
- **PräziCoat XS** Two-roller gluing machine
- **PräDeck** Casemaker
- **PräKant** Turning-in machine

The **PräDeka** can process the following formats:



Dim.	min.	max.
A	150 / 180 mm *	694 mm **
B	120 / 150 mm *	664 mm
C	120 / 150 mm *	650 mm ***
D	150 / 188 mm *	694 mm ** / ***
E	15 / 19 mm *	22 mm

- * When selecting the programme for stiff binding materials, the minimum size increases.
- ** When using the system with the **PräziCoat XS**, either the case height (D) or the case width (A) must not exceed 350 mm as this is the max. working width of the **PräziCoat XS**. Gluing machines with larger roll widths are available by request.
- *** With mounted, optionally available table extension for **PräDeck**. Without table extension (C) = max. 440 mm and (D) = max. 484 mm

All machines and tables of the **PräDeka** system are also available as stand-alone devices.



* Optional automatic water feed **PräVis**

Technical data:

System base:	240 x 78 cm
Height system base:	60 - 80 cm (adjustable)
Height machines:	approx. 40 cm
Weight:	approx. 390 kgs
Power supply:	230 Volt - 50 Hz
Air pressure:	min. 6 bar
Case sizes:	s. left
Board thickness:	1,2 - 3,5 mm
Case-hollow width:	6 - 100 mm
Joint widths:	8 mm (Other joint bar widths available as of 4 mm width.)
Output:	60 - 100 pcs / h

Subject to technical alteration.

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PräDeka System base

The system base consists of two combined tables with bottom intermediate shelves, a shelf for pre-cut boards, cover material etc., a drawer for tools, manuals etc. and a lateral storage space adjustable in height for the gluing machine.

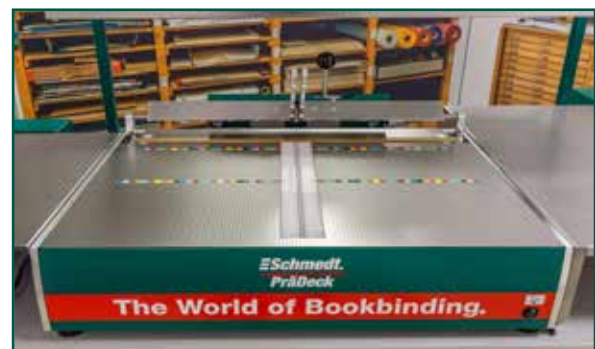
The complete system base is adjustable in height.



In one process, the two boards and the spine hollow are placed accurately and with the exact joint width on to the glued cover material.

No adjustments to different case sizes are required.

An illuminated case as well as scales facilitate the positioning of the cover material.



PräziCoat XS Gluing machine

This two-roller gluing machine was especially designed for use within the **PräDeka** system.

The machine was constructed in such a way that the glued cover material may be placed on the **PräDeck** without twisting and turning.

The sheet-reversing device ensures an ergonomic guidance of the glued cover sheet. As the machine is equipped with a hot-glue tray and a temperature control, it may be operated with hot as well as cold glue.

PräDeck Casemaker



PräKant Turning-in machine

The **PräKant** is a turning-in machine designed to turn in and press down the edges during the production of book covers, posters, calendar backs, notice boards etc. and may also be used for rubbing down laminated or mirrored covers.

The brush height of the machine may be adjusted individually to adapt to different materials and especially to the board thickness. All kinds of different products may thereby be turned in at optimum quality.



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The principle of operation:

The **PräziCoat XS** is either filled with cold or hot glue. The pre-cut cover material is fed manually underneath the rollers and is guided from the insert rollers to the upper gluing roller.



The sheet-reversing device guides the cover material in such a way that the glued side is on top.

The glued cover material is now placed on the table of the **PräDeck** and, in the case of unprinted covers, centered by means of two coloured scales. Printed cover materials are aligned by means of the illuminated table and the two centering lines on the table top.

After the cover has been aligned, the guide angle is lowered by means of a hand lever. Then the spine hollow is placed between the joint bars. By closing the joint bars, the spine is centered automatically.



Now, both boards are placed manually into the guide angles and pressed down for a moment. The guide angles can then be lifted, and the case is ready to be turned-in.

The open case is now inserted into the intake slot of the **PräKant** with its long side first.

As soon as the case is pushed far enough into the machine, the turning-in process is started automatically. The case is pulled in and the first edge is turned in.



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Then the case is pulled in completely. The cover material is pressed on to the boards and the second edge is turned in.

Then the case is ejected to the front on to the table. Now the four corners need to be tucked in manually.

The case is then turned by 90° and re-inserted into the slot with its short side first, and the two remaining edges are turned in.

Depending on the pre-selected programme, the finished book case is ejected either to the front or rear of the machine.

12 different programmes for turning-in and pressing down with different ways of ejection and 2 speeds are available to perfectly integrate the machine into the workflow.



The brush height of the machine may be adjusted individually to adapt to different materials and especially to the board thickness.

This is very useful when processing very thin and soft boards. For board thicknesses below 1.5 mm this adjustment leads to better turning-in results.

According to product and use, the output of the **PräDeka** system is approx. 60 - 100 cases per hour. In combination with a second **PräKant** machine, the output may almost be doubled. For this combination, the devices are placed to each other in a 90° angle.

In addition to the **PräDeka** we recommend the following machines and devices for the production of book cases:

- **PräVis** Automatic water feed to regulate the viscosity of adhesives
- **PräZis Pro** Cover material shears for full-bound cases with built-in corner cutter
- **PräRund** Case-rounding machine

Advantages of the **PräDeka** :

- Wide format range
- No adjustments to different sizes
- No bubbles as the case is pressed during each cycle
- No hollow edges as the brush height is adjustable
- All system components are available as stand-alone devices

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Tel: 021 447 7030 Email: info@trisave.co.za