



## Pneumatic Case maker Type: HHS 23



<b>Space required</b>	W 69 x D 72 cm
<b>Height</b>	
with stand:	approx. 121 cm
without stand:	approx. 51 cm
<b>Weight</b>	approx. 49 kg
<b>Sizes</b>	
Spine hollow width:	6 – 90 mm, progressively adjustable
<b>Maximum spine hollow length</b>	
series:	390 mm
single books:	470 mm
<b>Maximum case width</b>	
open:	680 mm
<b>Standard joint width:</b>	6 mm and 8 mm
Subject to technical alteration	

TECHNICAL DATA

The PRÄDECK HHS 23 is a modified and improved version of the PRÄDECK HHS 13 and is designed to produce hard-back cases for single (assorted) as well as small series of books. 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.

### Characteristics

The standard version is equipped with joint bars of 6 mm and 8 mm width, each pair in a longer version for series and in a shorter version for single cases. Any other width from 4 mm onwards is available on request.

The width of the spine hollow is progressively adjustable from 6 mm to 90 mm by means of a toothed guide rack with hand lever.

For the production of single (assorted) cases, each spine hollow is fixed individually between the joint bars. In this case, the shorter joint formers are being used to facilitate fixing even very small spine hollows. The longer joint bars are used for the production of series of cases as they have a clamping device which can hold up

to 50 spine hollows of equal size. This increases production speed considerably as the spine hollows do not have to be fixed individually.

One of the major improvements made to the PRÄDECK is that the guide angles are now lowered by air pressure. This requires the supply of compressed air, but operating the machine is facilitated considerably, especially when working long hours, as the operator no longer needs to lift one leg for each process. The air-pressure switch can be released by the tip of the toes or, if fitted accordingly, by knee. Moreover, a stand is no longer a necessity. The machine's legs can be removed which is a big advantage in small rooms as the machine can simply be installed on a table.

Another improvement is an illuminated mirror case integrated into the machine's table. This mirror case has a glass cover plate marked with three centering lines which help to accurately align printed cover materials. In most cases, when the cover material is printed before the case-making process, the screen printing or hot-stamping is not aligned with the outer edges of the material. As the edges of the cover material



are not equal, the latter has to be aligned with the print. This is now possible so that cover materials do no longer have to be cut to shape individually.

Standard delivery also includes a removable square plate which is used as a table extension towards the front in order to enable the production of large-size cases. For standard use, this plate is dismantled so that the operator does not have to lean forward when producing smaller cases.

#### **How does the PRÄDECK work?**

First, the top and bottom overlap is set to standard measure by means of the top stop. For single (assorted) cases, one spine hollow is then clamped between the joint bars. For series, as explained before, up to 50 spine hollows can be fixed at the same time.

The glued cover material is placed on the table and, in the case of unprinted covers, centered by means of two coloured scales. As already described in the preceding paragraph, printed cover materials are aligned by means of the mirror case and the centering lines. For the production of series, the side stop can be adjusted to the cover so that covers of the same size can be positioned even quicker. After the cover has been aligned, the guide angle with the spine hollow is lowered. While the spine hollow is

pressed down by the blade, 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, for example on our PRÄKANT turning-in machine.

#### **Accessories**

##### **Compressor**

If no compressed air is available in your works, we supply a silent compressor which output is adapted to the PRÄDECK machine. Thanks to its extremely low noise, it can easily be installed near the machine.

##### **Extension table (left or right)**

This table is fitted to the left or right side of the basic machine and can either take a glueing machine or can be used as a storage area for glued covers to soak or as a storage area to get a softer overlap before turning-in.

##### **Cover material shears**

The shears consist of a small board cutter of 58 cm cutting width. It is used to cut cover material for full-bound cases, especially in library binderies. When books are manufactured this way, no measuring is necessary. Exactly-fitting covers can be cut just by pushing the cardboards against the side stop to give the right turn-in for the top and bottom as well as left and right case edge.

##### **Special versions**

The PRÄDECK machine can be modified according to the customer's individual requirements. We have, for example, already manufactured machines equipped with three or four joint bars for cases consisting of several parts. Moreover, it is possible to manufacture machines with a wider table for large cases, for example for cases of 90 cm or 100 cm width (open).

Please let us know your requirements. We will find a solution.



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