

Phoenix



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Efficiency by innovation.



Edition 9000 short

[mech. speed: 1000 - 9000 cycles/h]
[23 coated clamps]
[4 spine preparation stations]
[Spine glue capabilities for cold glue, hotmelt or PUR]
[Side glue capabilities for hotmelt or PUR]
[Gauzing station]

Edition 9000 long

[mech. speed: 1000 - 9000 cycles/h]
[30 coated clamps]
[4 spine preparation stations]
[Spine glue capabilities for cold glue, hotmelt or PUR]
[Side glue capabilities for hotmelt or PUR]
[Applications: IR-Drying, High frequency, Two-shot]
[Gauzing station]

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1. The infeed channel

has been redesigned and distinguishes itself with a very flat feed angle. The transfer of the product from the transport finger into the clamp is exactly synchronized. However, the position of the finger can be altered as required to ensure a high productive capacity and secure processing even of landscape formats. The blast air nozzles on the sides and the self-learning product height control finalise the quality when the product is transferred from the gathering machine to the perfect binder. The infeed channel is equipped with a quick-release device which serves to simplify maintenance and cleaning work. The long resting table with rapid lowering enables the products to rest prior to the clamp being closed and further processing taking place.

2. The spine preparation

with max. 4 stations ensures a perfect preparation of the spine. The powerful 7.5 kW main milling motor which is equipped with a chip or dust milling tool as required, ensures a reliable milling cut. The optional 2nd station is equipped with a dust milling knife and serves as a fine milling station. Both of the stations have a newly developed pre-slitting device which serves to prevent the last pages from being torn out. Stations 3 and 4 are frequency-controlled and can be fitted with notching tools, the multiple knife head or a circular brush. The height of each of the stations can be individually adjusted by means of a motor and can be simply swivelled out of the perfect binder in order for maintenance work to be carried out.

3. The gluing station

comprises a spine gluing unit with an integrated 70 kg premelter and enables the length of the glue film to be automatically controlled (scraper) as well as tipp-gluing (2-4 tippis). The side gluing unit with integrated premelter is equipped with horizontal heated gluing discs with a motor-controlled adjustment of the thickness. PUR gluing either with a roller or nozzle system can also be optionally integrated as required. The ideal arrangement of the components and the construction length of the machine even enable combined gluing techniques such as the 2-shot application to be used. The gauzing station featuring dynamic-drive as well as Winjector technology is able to process all standard gauzing materials, in addition to it being possible to be deactivated.

4. The rotary cover feeder

is easy to use and can also process multi-page covers. The use of Winjectors in order to separate the covers instead of conventional pressure/vacuum generation, results in an improvement of the operational safety of the cover feeder. Both the cover feeder and the cover transport are in dynamic-drive technology. This results in a format-optimised transporting of the cover from the feeder to the cover guidance. The production quality is ensured by the non-contact double sheet control and the image control Winspector. The cover feeder is also the interface for the connection of a KRF cover folder feeder station. A stream cover feeder is also available as an option.

5. The cover scoring

provides 2- and 4-fold scoring as standard. The separate cover transport chain and the scoring have their own drive in the form of dynamic drive technology and ensure an exact scoring. The cover guidance features an angle adjustment in order to compensate cutting / print image tolerances. The scoring shaft can be easily replaced with no need for tools.

6. The cover registering

is on the basis of a new principle with a register roller and ensures an accurate cover position at high speeds. The cover guidance is securely provided into the pressing station which is equipped with a rapid lowering should there be a faulty sheet. The cover position adjustment is carried out without the use of tools. The pressing station is in the form of a separately operating pressing station with extended pressing times and an time setting for the pressing of the spine and side. A second station for a subsequent forming of the spine is standard.

7. The delivery channel

is in the form of a long and flat channel. A synchronized depositing catcher ensures that the products are gently and securely removed from the clamps before them being discharged from the perfect binder by means of a conveyor belt and pusher chain. The optimized product guidance ensures a safe processing of the most diverse product types and cover materials. A quick-release device simplifies maintenance and cleaning work.

8. KRF & VSS

are able to produce in this combination gatefolded products with multi-page covers and flush text inline in one pass and at high speed and accuracy.

