



Alexander Kraitsch

How to Get to Rid of the Spine Build up

Is the spine build up of the book blocks that occurs during thread sewing also a thorn in your side? We can now remedy this well-known problem. The new [VFN 700](#) spine nipping press from Muller Martini presses each bookblock in the spine area, thereby significantly reducing the spine build up. In this way, you can achieve a very good book block shape with all common paper types with their different characteristics

As a bookbinder, you are familiar with the phenomenon: During the production of thread-sewn products, the spine build up of the bookblocks due to the folding process. This has a negative effect not only on your downstream processes, but also on the quality of the products you manufacture. The keywords here are glue penetration into the book block and uneven glue application.

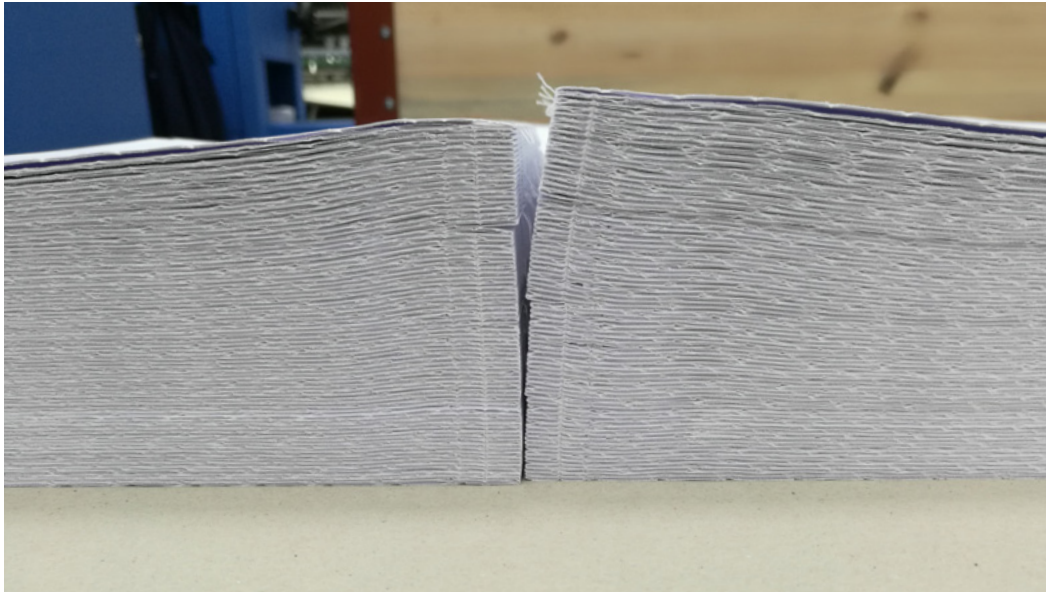
To counteract this problem, many book producers often use simple manual or semi-automatic presses. However, this generates an additional step in the manufacturing process and is therefore not efficient. Muller Martini has the answer to this challenge with the new inline-capable VFN 700 nipping press, which runs at 30 cycles per minute.

Each book block is pressed in the spine area

The VFN 700 presses each book block in the spine area, thereby significantly reducing the spine build up. This enables you to achieve a very good book block shape on all common paper types with their different characteristics. The pressing force is generated with the help of a pneumatic cylinder according to the toggle lever principle, resulting in a pressing force

of up to 60 kN. The spring-loaded pretensioning clamps hold the book block in place and by that prevent the deformation of the book spine.

The VFN 700 has been designed for all conventional book block thread sewing applications and is therefore available in three versions for inline production by means of a Ventura Connect system or a Ventura MC 160/200 including stacker and belt delivery, a respective variant is available and can be configured individually. You can also configure the VFN 700 offline – i.e. as a stand-alone machine – and load it manually with book blocks from various book sewing machines.



Every application is covered

Three operating modes complete the machine and allow you to cover every case of application. If you do not need the VFN 700, it can pass through the book blocks unpressed in „bypass mode“. In „automatic mode“ the bookblocks are pressed after a preset pressing time, while in „press & hold mode“ each bookblock is pressed until the next one arrives.

Your
Alexander Kraitsch
Product Manager Hardcover Muller Martini