VAM-70

Endpapering Machine

SIGLOCH
MASCHINENBAU

SIGLOCH Endpapering Machine VAM-70

The SIGLOCH endpapering machine VAM-70 with fully automatic format setting is used for processing thread-sewn or loosely gathered book blocks. The end sheets are glued to the first and last signature of the book block.

The new design, combined with automatic adjustment facilities and various devices for quality control, offers optimum production possibilities to meet today's market requirements.

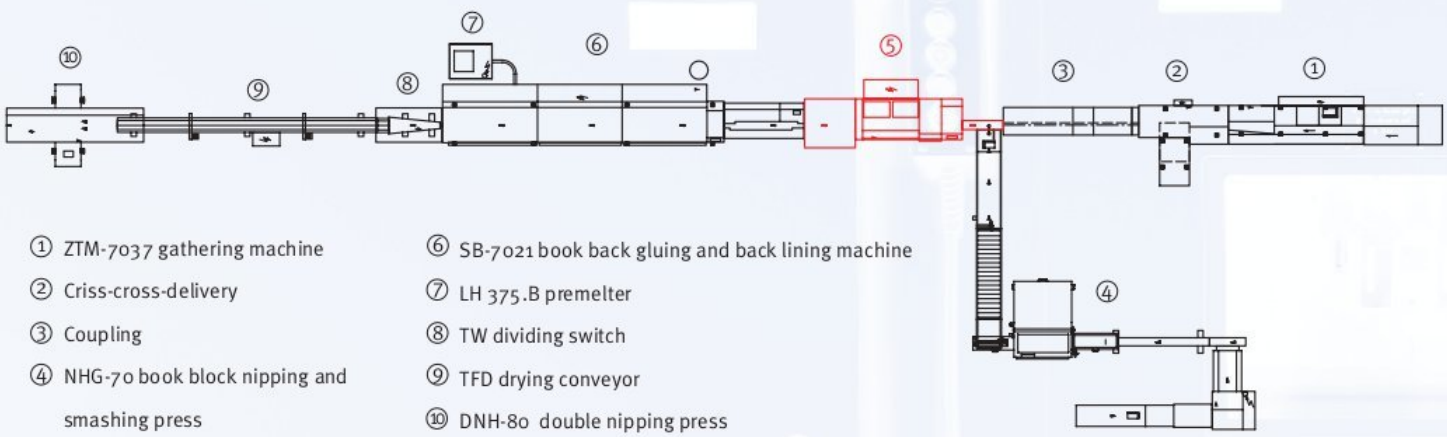
In conjunction with an upstream gathering machine and a downstream SB book back gluing and back lining machine, the VAM-70 permits highly efficient inline production.

A book block feeder is required to ensure the continuous processing of thread-sewn book blocks.

Automatic format settings via Ethernet and/or touch screen allow fast change-over times.

The VAM-70 can also be used as an individual, free-standing machine in offline mode. It is well designed and easy to operate. The entire work sequence can be optimally monitored.

The Sigloch endpapering machine VAM-70 is connected upstream of the SB lines and enables end sheet gluing as an inline process.



① ZTM-7037 gathering machine
② Criss-cross-delivery
③ Coupling
④ NHG-70 book block nipping and smashing press
⑤ VAM-70 endpapering machine
⑥ SB-7021 book back gluing and back lining machine
⑦ LH 375.B premelter
⑧ TW dividing switch
⑨ TFD drying conveyor
⑩ DNH-80 double nipping press

VAM-70

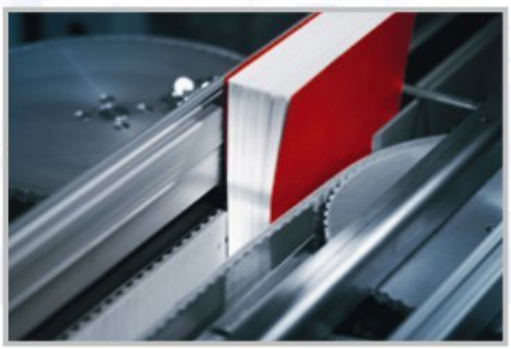
Technology & Function

- Thread-sewn or loosely gathered book blocks are transported into the infeed area of the VAM-70 by pushers. Protruding thread ends are pulled down by a suction device. A cold glue or hotmelt strip, the quantity and application length of which can be adjusted at the control desk, is applied by nozzles to the side of the book block.

- Two drum feeders guide the end sheets from above into two guide rails that run parallel to the block guide. This process includes an automatic misfeed and double sheet control. The height of the guide rails and the gluing height of the end sheets are adjustable. If the book blocks are to be milled for perfect bound products, the end sheets can be set to a higher gluing position.

- The book blocks and end sheets are transported with spine down position by a pusher bar in separate guide channels.

- Suction- and press-down belts take the end sheets out of the guide channel and feed them to the book block at a parallel height. The press-down belts press the end sheets onto the book block.



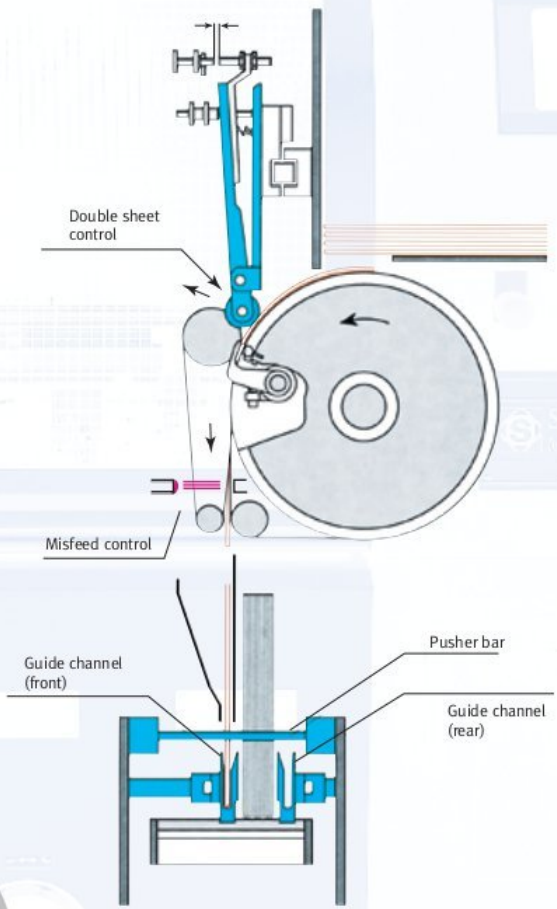
- The suction and press-down belts take the end sheets and bring them together register retentive and at a parallel height.

- Protruding thread ends are pulled away from the block spine by suction to avoid them from being laterally glued to the book block.

Performance Profile

- **For thread-sewn or loosely gathered book blocks**
- **Can be used as an individual free-standing machine or as an efficient inline component**
- **Integrated misfeed and double sheet control**
- **Quality assurance due to precise positioning of the end sheets by suction and press-down belts**
- **Nozzle gluing with cold glue or hotmelt (optional)**
- **End sheet gluing with height offset**
- **Short change-over times**

Function Principle



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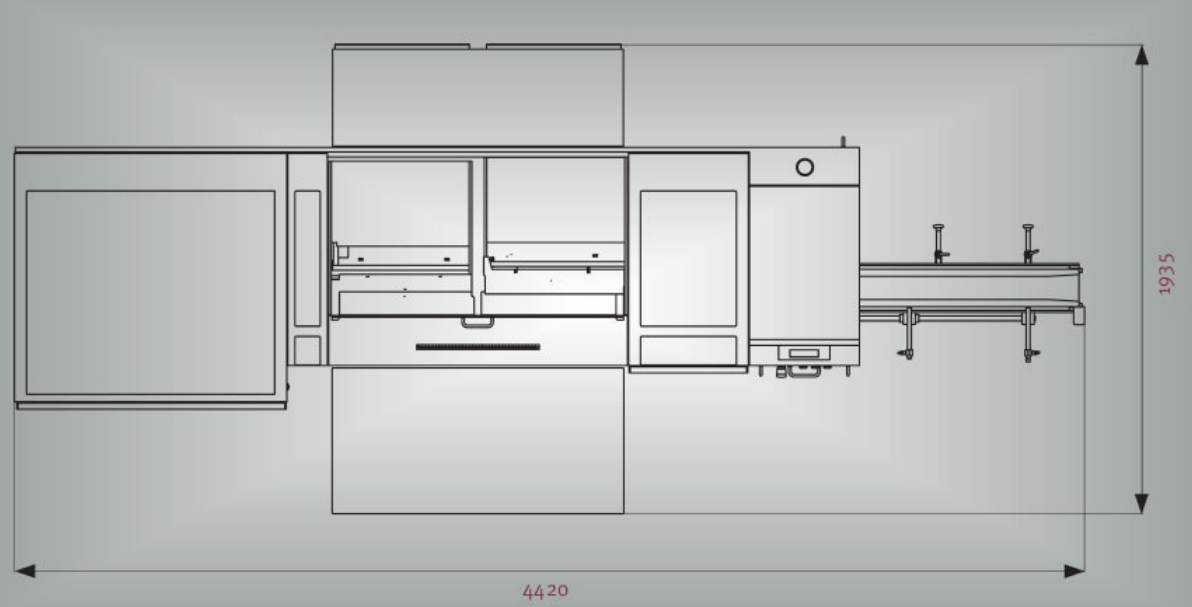
Technical Data



Format (untrimmed)	min. 90 x 120 x 3 mm, max. 320 x 420 x 80 mm* or 200 x 510 x 80* *Channel throughfeed width 95 mm
Production speed (mechanical)	70 cycles/min. (the net capacity depends on the format and material)
Electrical equipment	approx. 7 kW, 230/400 V, 50 Hz
Air consumption	approx. 9 Nm^3/h at 6 bar (depending on the setting of the air blast nozzles)
Total length	4420 mm
Total width	1935 mm
Total height	1946 mm 2260 mm with protective hood open
Weight	approx. 2000 kg

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