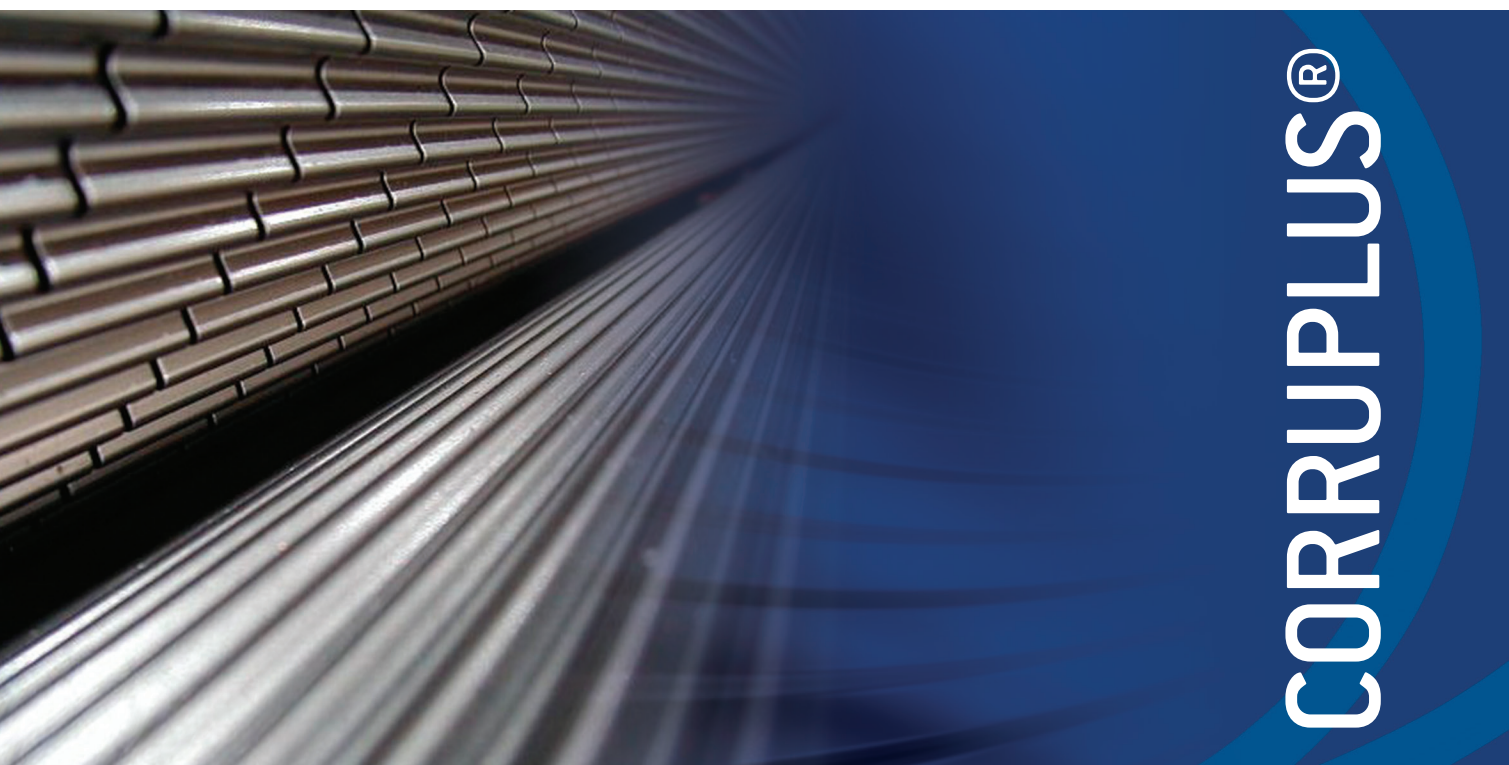




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CORRUGATING ROLLS

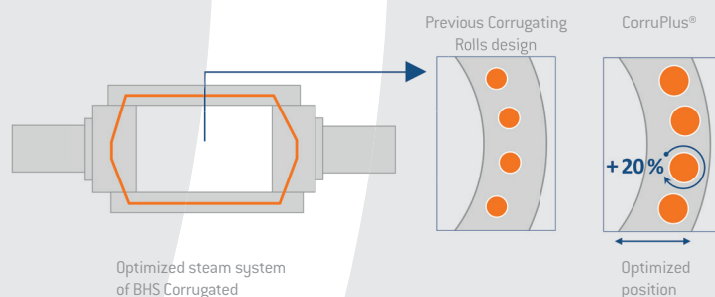


The new generation of corrugating rolls from BHS Corrugated ensures high productivity and reliability of the corrugator, while at the same time increasing quality of corrugating board...

- > INCREASE OF HEATING PERFORMANCE BY 18 PERCENT
- > SUPPORTS MAXIMUM PRODUCTION SPEEDS
- > HIGHER QUALITY OF CORRUGATED BOARD FOR LOW AND HEAVY PAPER WEIGHTS
- > REDUCTION OF ENERGY COSTS WITH UNCHANGED PRODUCTION SPEED
- > LONGER AVERAGE LIFETIME THROUGH REDUCTION OF SEALING ELEMENTS BY 98 PERCENT
- > REDUCTION OF WASTE LEVELS OF CORRUGATED BOARD AND PAPER



CorruPlus® - the new corrugating rolls design of BHS Corrugated



IMPROVED STEAM SYSTEM

The CorruPlus® corrugating roll design meets any manufacturer requirements in terms of corrugator productivity, cost and quality of corrugated board. One of the key properties of corrugating rolls in this context is the performance of the steam system. The heating power has been increased by 18 percent thanks to optimum positioning and enlargement of the peripheral drill holes. The internal pressure loss of the corrugating roll has been reduced due to the extension of the steam chamber.

OPTIMISED CONNECTION TECHNOLOGY

A new joining process between roll body and gudgeon helps to reduce the necessary sealing elements by 98 percent.

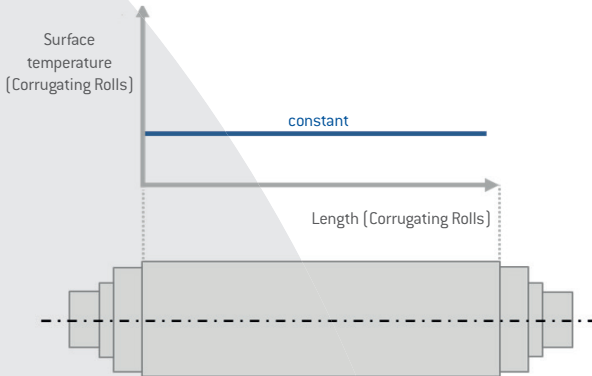
EASY INSTALLATION

CorruPlus® can be installed into all existing Modul Facer Bandleader (MF-B) machines. New machines are already delivered with the innovative CorruPlus® corrugating rolls as standard.

TECHNICAL DATA*

Working width	2,500 mm	2,800 mm	3,300 mm
Weight MRW (t)	1,8	2,0	2,4
Weight ARW (t)	1,0	1,1	1,3

* depending on the version



Constant temperature distribution on roll surface.

PRODUCTIVITY OF THE CORRUGATOR

The improvement of heating power by 18 percent allows the processing of a large variety of different paper weights, given the support of maximum production speeds.

In addition, the improved heat transfer from the corrugating roll into the paper enables a faster change from light to heavy paper weights.

QUALITY OF CORRUGATED BOARD

Thanks to the improved heating power, an even temperature distribution occurs over the whole length of the corrugating roll. Differences in diameters as a result of heat expansions are reduced to a minimum.

With light paper weights, the resulting uniform glue gap results in a constant glue application and thus in a better corrugated board quality. Especially the processing of heavy paper weights is challenging for operators. By reducing the differential pressure within the corrugating roll, more steam pressure is available at the preheater. In addition to the higher heating power of the corrugating roll, the regulation of optimum processing temperatures can also be supported by increasing the heating power of the preheater.

COST REDUCTION

If no improvement of the production speed or change of paper weights is required, the additional heating power can be used as cost saving potential. This leads to a reduction of the steam consumption and to a corresponding decrease of steam production costs.

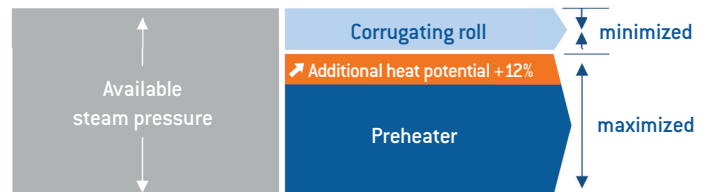
The average lifetime of the corrugating rolls increases because CorruPlus® requires 98 percent fewer sealing elements. Consequently the resulting maintenance costs are reduced.

Previous Corrugating Rolls design



Advantages of BHS Corrugated steam system

CorruPlus® - Option I: Increase in heating power of the preheater



CorruPlus® - Option II: Save power and costs

