

▶ **PRESS**
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ALL PAPER GRADES

Heimbach Clothing for the PRESS SECTION

Heimbach GmbH & Co. KG, Dueren

Press Felts from Heimbach on Europe's First Single Shoe Press



GROUP

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In the second half of 2002 the Neusiedler Group decided on the rebuild of PM 18 in their Slovakian Ruzomberok Mill. The aim of the operation was to increase the production capacity from 190,000 to 290,000 tonnes per year.

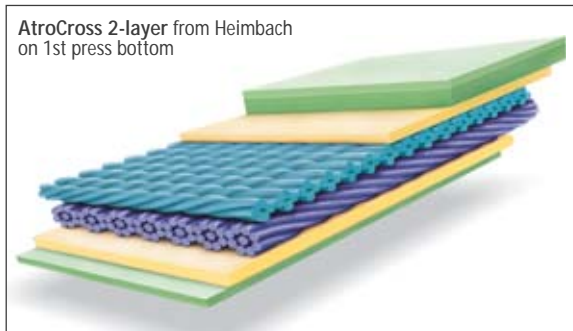
However, this was not to be a normal rebuild but a "first" in Europe. Neusiedler decided to be the first European paper manufacturer to equip the press section with only one press – a shoe-press. Additionally, the rebuild programme included a horizontal Gap Former and an increase in the drying capacity. The rebuild was carried out on time and the new PM 18 started up as planned at the end of September 2003.

In order to meet the special demands of this press concept, Heimbach was required as regular supplier to develop press felt types with the necessary dewatering efficiency. Based on the well known AtroCross technology specially adapted press felts were constructed, which proved successful in the preliminary trials on the Voith pilot machine in Heidenheim. Following successful negotiations the Heimbach Group was selected as partner for this challenge.

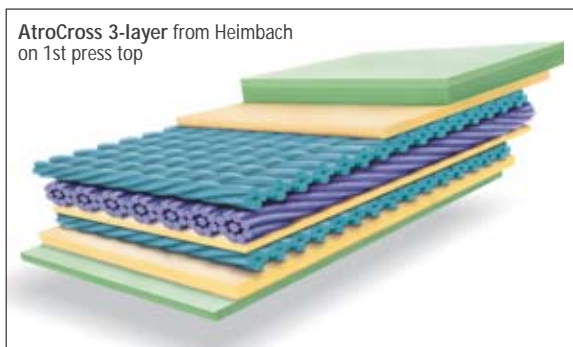
early October at a speed of no less than 1305 m/min. Through the continuous optimisation process the Neusiedler team has managed to achieve a top dry content of 56 % at 1330 m/min. Recently the average felt life of 4 weeks was accomplished.

AtroCross has proved successful on this new single shoe press and in the meantime has become the standard construction (III. 1, 2) for this demanding press configuration.

Heimbach congratulates Neusiedler SCP Ruzomberok and the whole PM 18 team on their courage and success. May it long continue.



III. 1



III. 2

At the start-up of the machine attention was understandably focussed on the new revolutionary press configuration. However, very soon the remarkably efficient dewatering capacity of AtroCross was recognized.

AtroCross was the only felt construction capable of meeting the exceptional demands of the press. The first set of AtroCross felts installed set the standard with a dry content of over 53% and a life of 3 weeks.

Following further fine adjustments to the machine, the first reel of saleable high quality copier paper was produced in

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