



# Press Release

Heimbach takes part in the start-up  
of Holmen Madrid's PM 62

Heimbach – wherever paper is made.



GROUP

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Fuenlabrada (Madrid), November 13<sup>th</sup>, 2005, at 01.00 AM: After 20 months of planning, preparation and construction PM 62 has just produced its first reel of paper.

PM 62 is one of the largest paper machines in Europe, producing newsprint paper of 100% DIP, and has a capacity of 300.000 tons per year. The trim width is 8,90 m, and the PM is designed to achieve 2000 m/min.

During previous meetings Holmen had entrusted the press section and part of the dryer section to Heimbach. Heimbach would also take care of some technical training of part of the new and young team of PM 62. This training was organized in September last year at the premises of Heimbach Ibérica in Burgos, Spain, and concentrated mainly on paper machine clothing.

No doubt, this was going to be one of these machines one refers to only in superlatives. And so it was. On November 13<sup>th</sup>, it beats the world speed record in start-up conditions of newsprint machines: 1640 m/min.

A new world record shared with Heimbach since the press section was entirely clothed with ATROCROSS felts. Since years ATROCROSS felts from Heimbach had proven their qualities in PM 61 and other machines of the Holmen Group.



Ever since the end of October technical staff from Heimbach had been present to assist during preparation and installation of the felts, and during the whole start up period.

In the start-up the felts immediately responded as expected and transferred the paper sheet to the dryer section without any problem. At a very early stage, the ATROCROSS felts started to dewater in all two nips, which allowed to lower the vacuum levels and consequently stabilize the press section. The enormous nip dewatering potential and the efficiency of ATROCROSS has been demonstrated in many shoe press configurations, especially in the three single shoe presses installed in Slovakia, Argentina and South Africa.

The unique non-woven basis of ATROCROSS consists of yarn substrates to each of which a substrate batt is applied. The upper and lower yarn substrates are then combined by the needling process with both the substrate batts and also the paper side and roll side surface batts. The individual yarns of the substrates are composed of twisted single monofilaments. Their number, the materials used, the twist techniques and the thickness and fineness of the batt are determined by the relevant position on the paper machine.

The significance of this substrate technology:

- \_ the individual layers cannot be compacted into one another, allowing for equal performance during the whole life of the felt
- \_ the internal volume is retained
- \_ the ATROCROSS substrate has no knuckles
- \_ the yarns of the paper side substrate are aligned in the cross-machine direction, so that they function as "microfoils" and intensify the water flow into and through the internal structure of the felt
- \_ high nip-dewatering
- \_ immediate start-up
- \_ self-cleaning effect

All these advantages have been demonstrated in PM 62 at Holmen Madrid. The first set of felts was taken out early December, having suffered and overcome numerous starts and stops, some of which were not planned.

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Currently PM 62 is running at a speed of 1740 m/min with the 4<sup>th</sup> set of ATROCROSS felts installed.

Heimbach also supplied dryer fabrics. For this important reference the choice could be no other than SINFONIE, the finest 3 layer dryer fabric in the world with flat yarns in MD and CMD.

Heimbach congratulates the whole PM 62 team in Holmen Madrid and appreciates the opportunity that we have been given and the confidence Holmen has shown in our products and service.

SINFONIE from Heimbach

