



## Schongau PM 9 success story – Optimization completed



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**Producing SC magazine grades from 100% recovered paper is a challenging task not only for the mill operator but also for the system supplier. Here again, Voith Paper is the global market leader.**

In order to produce first-class roto-gravure printing grades from 100 % recovered paper, PM 9 at the UPM-Kymmene mill in Schongau has been further optimized with a press rebuild. This rebuild involved installing a Duo-Centri-NipcoFlex press with 4th press – a Voith “One Platform Concept” module. At

the same time stock homogeneity was significantly improved by extending the approach flow section screens.

The result of all this optimization work, which was completed in only six weeks, was extremely good runnability almost immediately after recommissioning.



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After optimization, the paper surface quality at unchanged basis weight (52 g/m<sup>2</sup>) is much smoother both visually and as measured. There is also a significant reduction of blackening, and the moisture profiles are excellent. In general the rotogravure printing quality on UPM-Kymmene Schongau paper is now much

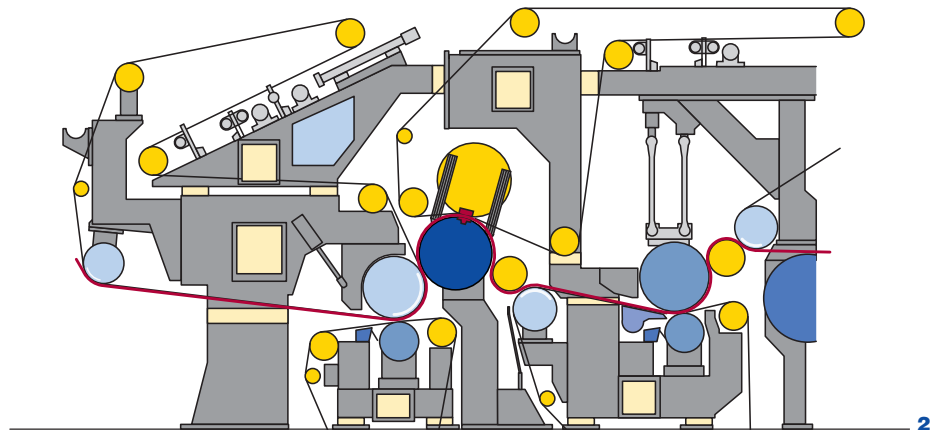
better with regard to the critical criteria of missing dots and quiet press running.

The overall machine efficiency is well above that of comparable machines at an average speed of 1,521 m/min. As against the neighbouring PM 6, the optimized PM 9 produces considerably better paper at a speed 300 m/min higher.

This successful rebuild is largely thanks to the first-class teamwork and outstanding commitment of everyone involved in the project. Once again, Voith has stood by its word and kept all promises.

Summary of customer statements:

*“Overall results are excellent. All the project goals were reached. Rotogravure printability is now highly acceptable, and printing press running qualities with this paper are outstandingly good. The paper machine runnability at a speed of 1,520 m/min exceeds our expectations.”*



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**Dipl.-Ing.  
Artur  
Stöckler**

**Vice President  
and General  
Manager**



*“We sincerely thank Voith for their excellent teamwork in optimizing our PM 9. The machine startup was outstandingly good, and product quality has been at the very highest level ever since. Voith carried out the entire operation extremely professionally.”*

**Fig. 1:** DuoCentri-NipcoFlex press.

**Fig. 2:** Schematic layout of the DuoCentri-NipcoFlex press.