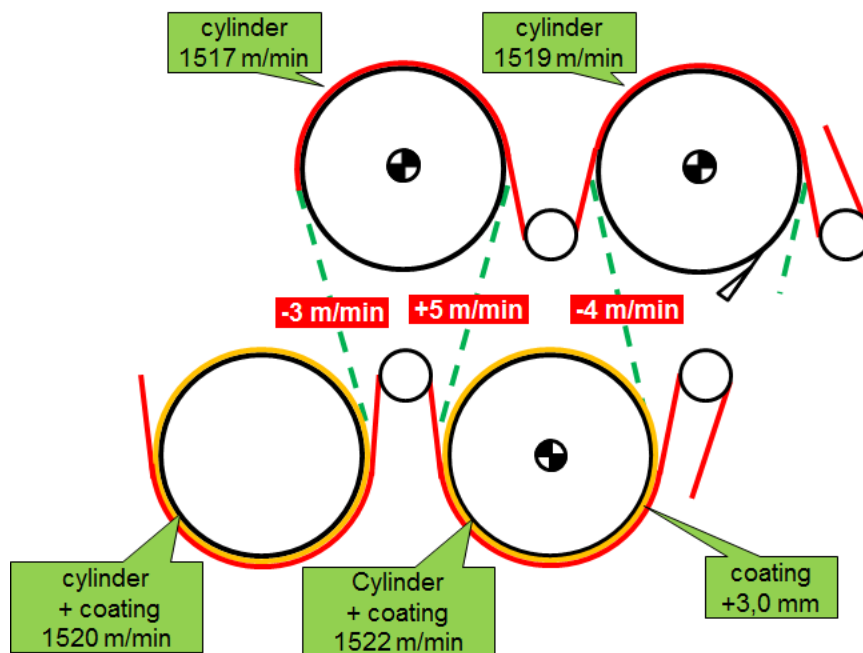


Sheet breaks within a slalom group

Problem: Increased sheet breaks (6-7 per day) in the dryer section of a paper machine producing newsprint paper.
Heimbach assumes speed differences and conducted a non-contacting speed measurement.

Solution: The speed measurement of the dryer cylinders displays that the upper dryer cylinders ran slower than the lower ones. The drive of the lower cylinder led to a faster retraction of the bottom wire. As a consequence the peripheral speed of the lower cylinders, even the undriven ones, is higher.
We were able to detect a coating on the last lower cylinder as the reason for the speed differences. The peripheral speed varied from the upper cylinders while using the same rotation speed. According to the measured speeds, a coating of 3mm could be determined.
After cleaning the dryer cylinders the paper machine ran smoothly without any sheet breaks.



Benefit:
trouble-free running

Increased production approx. 70t/day

 **additional turnover per day ***



* assumed paper price of 350 €/t