

New concept in the dryer section

SafeTailing – reliable transfer even safer

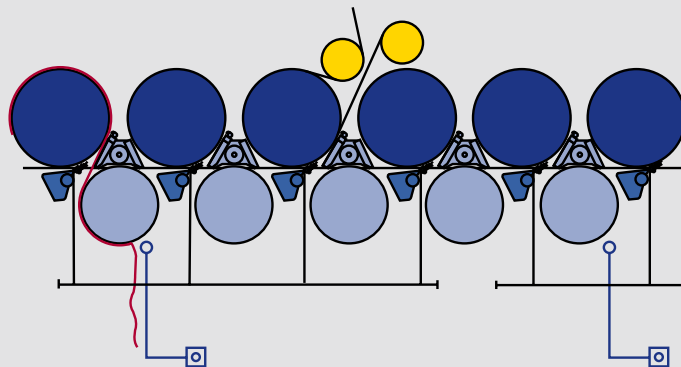
A valuable development of ropeless transfer in the dryer section is SafeTailing. Operation is safer and compressed air can be saved.



New transfer concept SafeTailing provides for more safety and compressed air savings in the dryer section.



*Pilot installation SafeTailing
– dryer section with safety barrier.*



SafeTailing in the TopDuoRun dryer section – tail cutting with pushbutton or with controller by means of vacuum sensor.

In TopDuoRun dryer sections, tail transfer has been done “ropelessly“ for almost 20 years. Only with this technology was it possible to properly master the considerable speed increase of the paper machines during transfer as well. The tail is peeled off the cylinder by means of blast nozzles at the doctor and then follows the dryer fabric or the stabilizer roll to the next dryer cylinder. The tail is thus transferred through the entire dryer section in a few seconds.

Nonetheless, it happens from time to time that the tail gets stuck on a cylinder during transfer and doesn't go any further. In the past, the operator had only two possibilities in this case: Either to interrupt the entire transfer process and start over from the beginning or to manually assist with the air blast hose so that the tail is peeled off the dryer cylinder on the second attempt. The second variant is by far the more favoured, but requires some skill and is not without

danger. In the future, tightened safety regulations will hardly still allow manual intervention.

New transfer concept

SafeTailing is just the right thing. The new transfer concept functions independently of the operator even with small interruptions and thus offers a high level of safety. At the same time, it is just as effective as manual intervention. And in addition, you save compressed air.

How SafeTailing works

Blast pipes for cutting off tails are installed in the various dryer groups. If an interruption occurs during transfer, the cutting blast pipe located before the imperfection is activated. The tail is briefly stopped by it. The transfer blast pipes are then switched on again beginning with where the stop occurred and the tail continues running through the dryer section

without any problems. Activation of correct tail cutting is done in the semi-automatic version by the operator via a pushbutton. In the fully automatic version, the tail is monitored via vacuum break sensors. Interruptions are thus independently detected and eliminated by the system. In addition, the transfer blast pipes on the doctors are only switched on if the tail is also in this group. That saves up to 50% with all transfers.

The pilot installation has been successfully in operation for almost a year. Until now, it was semi-automatic with pushbuttons. Lately, the system has been equipped with vacuum break sensors for the tail.

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