



*The TailBlade system shortens the threading time and increases threading reliability substantially.*

Market leadership with ropeless transfer systems strengthened further

## Reliable tail transfer with the TailBlade system

**A cooperation agreement was concluded at the beginning of the year with the Finnish company, Runtech Systems. It has to do with ropeless tail transfer for double-tier dryer sections. The TailBlade transfer system provides for reliable and fast threading.**

The Voith Paper system for ropeless tail transfer that has been successfully used for over 15 years was further developed with the company Runtech Systems and thus ensures market leadership in the coming years.

### Functioning of TailBlade system

Just like the previous threading system, the new system works with blowing nozzles in order to be able to transport the sheet tail safely from dryer cylinder to dryer cylinder. Mini-doctors made of carbon fibers are installed on the top and bottom cylinders. These TailBlade units are moveably mounted so that they can be attached to the dryer cylinder during the tail threading. The core of the TailBlade transfer system consists of a carbon blade of the doctor, which is designed as an air nozzle and separated into two air chambers. The first

nozzle blows in the direction of the dryer cylinder. There it lifts the sheet tail from the dryer and creates an air cushion.

The second nozzle blows in the direction the paper is running; it accelerates the paper tail and fixes it crosswise to the machine direction by means of the suction effect at the TailBlade. The upper air nozzles in the guide element likewise blow in the direction of the sheet run and thus support a stable paper run with minimal shreds.

Variable designs of the TailBlade provide for safe and fast transfer even with narrow space conditions, such as at group gaps or at already installed machine-wide doctors. The flexibility of the application is additionally shown by the possibility of upgrading the previous blow-air threading system.

### Advantages of TailBlade

Top priority during the development was given to low sensitivity to process fluctuations such as grade changes and speed changes. After a web break or restart of a paper machine, the TailBlade system shortens the threading time and increases threading reliability substantially. The paper web can be run wide earlier and the full production starts up again quickly. In addition, the maintenance costs are noticeably lowered and operational safety at the paper machine is increased.

### Contact



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