

Hot air hoods increase output capacity

TurboDryer S

Every centimeter counts

Every additional reel produced represents hard cash. In this context, there are many options for increasing speed and capacity, ranging from optimizing the press to raising steam pressure or investing in additional drying cylinders. But it is precisely here that many paper mills ultimately encounter difficulties, due to the lack of space in their dryer section.

A faster and more efficient production still demands a higher drying capacity, which in the case of rebuilds will seldom be possible without extending the dryer section. But even for such complex cases Voith has a solution: TurboDryer S!

Full speed ahead!

TurboDryer S is the most cost-efficient and space-saving solution for all those who want to get the most out of their dryer section. Thanks to the flexible modules, the hot air system can be ideally adapted to the dryer section environment, allowing runnability and production to be increased by more than 5 % without having to extend the dryer section at substantial cost.

Moreover, with the TurboDryer S system, energy consumption can always be controlled, depending on the respective paper grade being produced. As a result, only as much energy is used for hot air drying as is actually necessary.

Small drying hood, big impact

Although compared with a conventional dryer section extension this hot air hood with recirculating air might seem almost tiny, it really has what it takes. TurboDryer S has proven benefits in several areas: The flexible modules can be readily adapted to the existing machine length. Moreover, depending on paper grade, the hot air hoods supply exactly the right amount of additional thermal energy to increase the speed and thus the output of the existing system by at least 5 %.

At the same time, TurboDryer S allows for a stable web run and has proved to be especially convenient when it matters: the hot air hood can be easily swiveled away in the event of web breaks, for threading or during cleaning and maintenance.

With these benefits, TurboDryer S has already won over manufacturers of different paper grades. For example, following a rebuild package with four TurboDryer S modules, one paper producer enjoyed profit increases amounting to almost € 1.1 million.

TurboDryer S – All benefits at a glance

- + Increased output by more than 5 %
- + Same runnability without high-cost rebuilds
- + Flexible adaptation to existing machine length
- + Optimum energy consumption due to grade-specific control
- + Minimal space requirement thanks to modular system

Get the best out of your system – Sample calculation

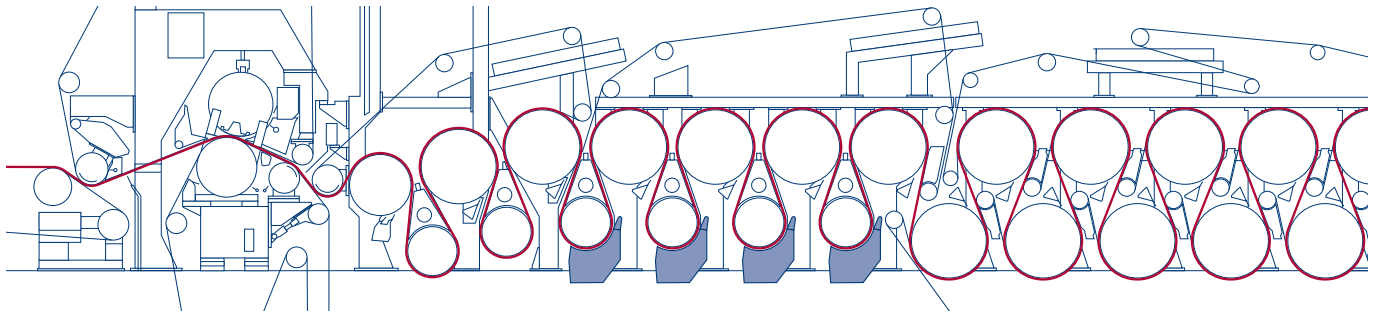
European producer*

Increase in speed	+ 60 m / min
Profit margin of 200 € / t	+ 5 400 € / d
Deducting gas costs** and web break losses	- 2 352 € / d
Running time	350 d
Profit	1.07 Mio. €

* 4 TurboDryer S

** Gas: 0.03 € / kWh

Installation example Upgrade existing dryer section with TurboDryer S



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