

DuoDry CC

No more curl



Fast, gentle, safe

A consistently accurate CD moisture profile and a fast as well as smooth transport of the paper web are the main requirements to be met by the dryer section. While single-tier designs tend to encourage curl, conventional two-tier solutions quickly reach their limits at high speeds. As the first vertically inverted dryer group, the innovative drying concept DuoDry CC by Voith expertly manages this drawback.

A permanent solution against curl

In DuoDry CC, Voith has developed a solution for effective and reliable curl correction. Thanks to the vertical position at the end of the dryer section, valuable thermal energy can be fully exploited and used for a particularly gentle drying process. Voith has therefore taken a major step towards curl-free paper. With DuoDry CC you benefit from enhanced runability combined with attractive cost and energy saving potential.

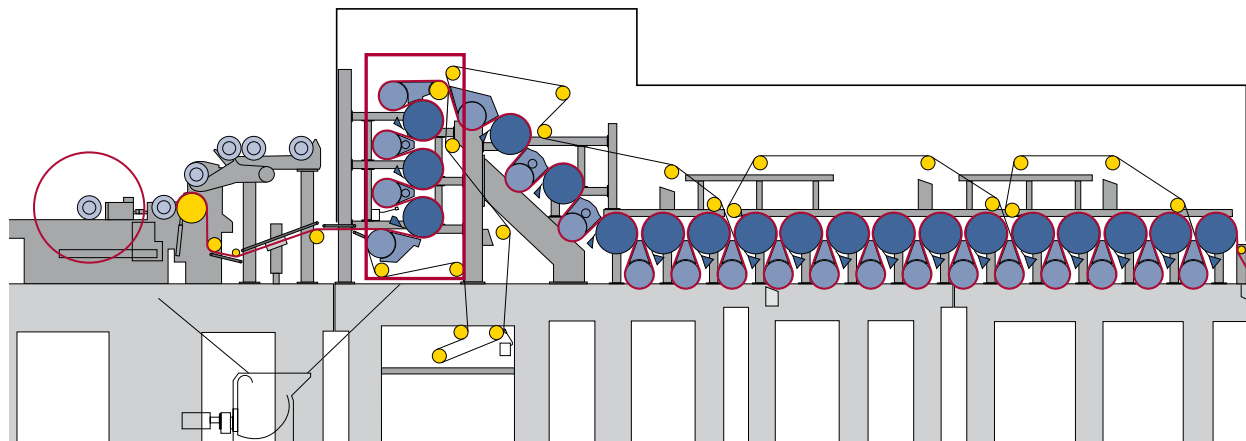


Improve your energy efficiency

DuoDry CC is setting new benchmarks for an efficient dryer section. In Voith's innovative design, the steam-heated drying cylinders are arranged vertically. As energy efficiency increasingly becomes a significant factor in paper manufacturing, DuoDry CC can be deployed to save valuable thermal energy and increase the machine availability of your mill in the long term.

Installation example vertically inverted dryer group DuoDry CC

Vertically arranged drying cylinders





- 1 The standout feature of the PM 5: DuoDry CC.
- 2 Successful start-up at Stora Enso in Narew, Poland.

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Full speed ahead to reduce energy costs!

DuoDry CC is powered exclusively by steam, the most inexpensive heating medium. Thanks to the vertically inverted position there is no longer any need for additional moisturizers. This results in enormous savings of valuable thermal energy, as the paper web does not need to be remoistened and dried.

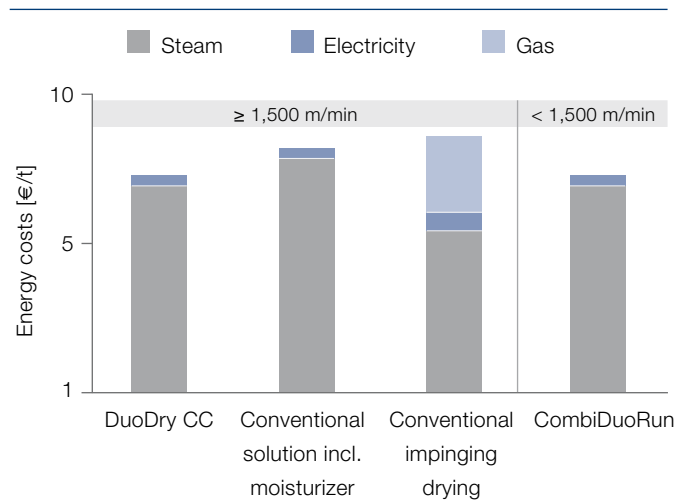
Safe removal of broke

When developing DuoDry CC the occupational safety of operating personnel was a key factor. In conventional paper machines, especially very wide machines, the removal of broke from the pockets of two-tier dryer groups is extremely difficult and dangerous. To eliminate this risk in the DuoDry CC system, the excess paper drops easily into the pulper or basement.

Successful start-up

Corrugated board manufacturer Stora Enso in Narew, Poland, is delighted about the successful start-up of DuoDry CC as a special feature of its new PM 5. Thanks to this efficient drying concept from Voith, the company was able to improve its competitiveness at this location with minimal investment and operating cost and therefore meet the increasing demand for testliner and fluting paper.

Improve energy efficiency with DuoDry CC



All benefits at a glance

- + Permanently high machine availability and efficiency at very high production speeds
- + Low maintenance effort
- + Significant energy cost savings
- + Fewer CO₂ emissions



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