

## DF Coat – Further development of the curtain coater combining best coverage with an easy and safe operation

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### **Abstract**

Recycled paper use in board and packaging requires a very good coverage to achieve a white surface. Since the recycled qualities are not getting better and white fibers are still expensive the alternative is to achieve the coverage by coating. Also for specialty applications a wide range of products demands a homogeneous coverage and therefore a lower amount of the expensive application media. The ideal coating technology to fulfill these needs is curtain coating with its perfect contour coating.

Several curtain coaters are already running in the above mentioned applications in production lines around the world.

To optimize the safe production as well as to increase the flexibility of the curtain coater Voith went on with the development of new and unique features. In this presentation we will show new technologies for avoiding condensation at the nozzle, an improved design for multilayer curtain coater and new principle of color deaeration.

With these innovative features we are able to present a new curtain coater which fits perfect for specific applications in combination with an easy and safe production. In addition the more compact design allows higher flexibility (especially for rebuilds) in combination with lower investment costs.