

Save fibers and increase edge stability

EdgeExpert



Voith's decades of expertise in stabilizing the web edge in the headbox area have already impressed countless customers worldwide. With EdgeExpert, which trims the edge directly in the headbox stock jet, Voith is now bringing another innovation onto the market. Along with considerable savings in high-quality virgin fibers, paper producers also benefit from a substantial reduction in fresh water consumption due to the cleaner wire edge.

EdgeExpert defines the web edge in the stock jet as it exits from the headbox. The discharged stock suspension can therefore be returned directly (as a single grade) to the virgin fiber stock circuit, resulting in a substantial reduction in feed-stock costs, especially when producing multiple ply paper grades. This means that the ROI for EdgeExpert is just a few months.



Welcome
to the Next
150 Years

Apart from the obvious cost benefits, EdgeExpert enables paper quality to be improved. The adjustable side plate achieves an optimized seal to the forming wire. As the alignment of the dewatering elements is not always perfect, the excellent seal also ensures a precise and clean wire edge under these circumstances. This improves edge stability and web threading into the press section.

The EdgeExpert is especially adjustable, meaning the desired stock jet width can be set at between 0 and 120 mm independently on both sides. This makes it easy to limit the headbox width and offers decisive advantages especially when producing different paper grades. The setting can be done during production and at the same time allows an optimum web width.

As it can be mounted to the headboxes of all manufacturers, operators of existing machines can also benefit from the unique EdgeExpert concept. The slender design of the product reduces the risk of fiber accumulations and therefore

avoids problems due to falling deposits. The ideal geometry of the cleaning nozzles ensures low water consumption. In addition, there is no longer any need for an additional wire cleaning unit.

EdgeExpert can be easily installed on both sides of the web in just a few hours during a shutdown. Changing the wire is also no obstacle: the clever swivel device makes it easy to replace the forming fabric.

Your benefits

- + Clear saving of expensive pulp qualities
- + Clean, precise wire edges for greater edge stability and better threading
- + Flexible, easy setting of headbox width
- + Low water consumption
- + Quick ROI after only a few months
- + Suitable for headboxes from all manufacturers

ROI in 8 months on reference plant producing different paper grades

1/3 corrugated grades (without virgin fibers), 1/3 kraft grades (unbleached pine kraft sulfate), 1/3 WTTL grades (bleached eucalyptus kraft sulfate)

Costs of secondary fibers (bottom layer = 100% recovered paper)	100 €/t
Costs of virgin fibers (top layer)	600 €/t
Daily virgin fiber recovery rate	1.9 t/d
Profit (less fresh water costs)	824 €/d
Return on investment	8 months



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 for Generations