

EVG HELPED SCA ORTVIKEN PM1 TO IMPROVE WIRE SECTION PERFORMANCE

In the end of 2007, SCA Ortviken contacted EVG to discuss their troubles at PM1 wire section. There were two significant problems: web breaks and the massive time need for wire section cleaning. It was clear that these bottlenecks were considerably decreasing the production efficiency rate.

EVG performed a survey visit at PM1 to retrace the bottlenecks closer. Poor ventilation especially at the top wire area was causing severe water dropping problem leading to web breaks.

At the bottom wire, high pressure wire cleaning shower was spreading very misty air with fibers and fillers in the area, because the old type of mist suction box of the area operated with very poor performance.

This caused contamination on machine constructions and frames, and defects because of dropping water and filler clumps.

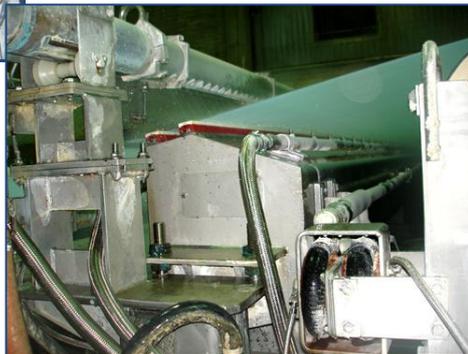


EV MRS at bottom wire



To solve these problems, EV Group offered the mill technology for top wire ventilation and modern bottom wire mist removal (EV MRS™) for high speed paper machines. Installation took place in May, 2008. The mill experience shows the wire section performance has clearly improved after the project.

According to Mr Dahlbom, production manager of PM1, the mill is satisfied with the results: PM1 operates now with clearly better efficiency and there is less time need for wire section cleaning.



SCA Ortviken PM1
fourdrinier with top wire
grade LWC
width 7,1 m
speed 1350 m/min



"The worst problem was the insufficient top wire ventilation that could not evacuate very humid air from the upper area of drive roll. Water drops were causing a lot of web breaks. We clearly saw that that optimizing ventilation in this specific area in addition to efficient, modern bottom wire mist removal would significantly decrease quality problems and need for wire section cleaning."

Mr Esa Virtanen, Managing Director, ventilation and runnability specialist of EVG