

## ENERGY EFFICIENCY, RUNNABILITY AND PAPER QUALITY ARE THE MAIN OBJECTIVES IN PM REBUILDS

*Decrease of production costs and energy consumption are major decision criteria in PM rebuild investments. The entire paper industry is in a middle of remarkable reformation and overcapacity in many paper grades force the global paper industry giants to shut down those units with minor profit margins. Simultaneously, the surviving units/mills struggle for higher paper quality and additional production efficiency.*

### Remarkable energy savings possible in dryer section

Drying steam is the main individual energy consumer of the paper machine. Ventilation of the dryer section plays significant role in the entire dryer section energy efficiency, but also in paper quality.

Efficient pocket ventilation and adjustment of entire dryer section ventilation enables more efficient drying of the sheet, an even moisture profile, and improved runnability. Also, energy costs decrease as a result of lower steam consumption.



*EV Pocket Ventilator™ at the double felted section*



*EV EasyGo™ concept with web stabilizer ensures fluent sheet run*

### Optimal PM Runnability and Paper Quality

Several runnability problems such as sheet fluttering, creasing, breaks and difficulties in tail threading are created, if the sheet is not properly supported in different dryer section positions or if the machine geometry is not optimal for the paper grade or production speed.

Runnability problems worsen also the paper quality, causing eg. wrinkles, high porosity, shrinkage and edge problems. This is why it is very important to support the sheet run with web stabilizers tailored for every dryer section positions.

### Real information Essential before Rebuilds

EV Survey Team has experience from over 200 PM dryer section runnability and ventilation surveys solving energy efficiency, runnability, production capacity and paper quality problems.

Before a dryer section rebuild or up-date/modernization projects a deep-going analysis of the perceived problems is necessary to find the correct technological solution. Only this way it is possible to solve the problems and optimize also the dryer section energy efficiency, runnability and paper quality.



*EV Survey is a profound analysis done by professional and experienced team.*