



Cali PM4 makes sack paper and linerboard up to 700 m/min. Basis weights range from 90 to 200 g/m².

STARTUPS

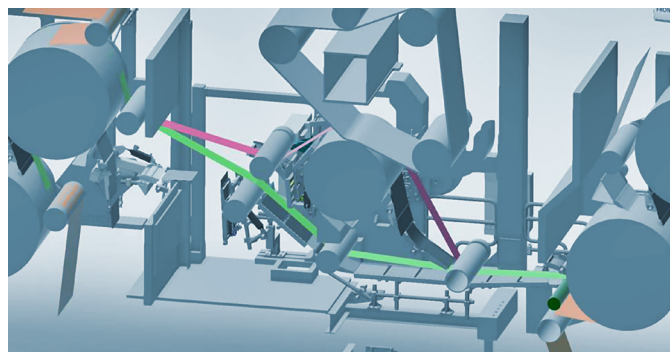
Smurfit Kappa Cali PM4, Columbia. The tail threading rebuild project has started up extremely well. The delivery includes TailBlade M units for the pre- and post-dryers and the ropeless Clupak area.

Cali PM4 makes both sack paper and linerboard, so it was necessary to implement a solution to bypass the Clupak process. Now the operator can select the tail threading path from a switch, making the transfer from sack to liner very quickly. Previously, this required a longer machine stop and re-routing the ropes.

The average threading time per sheet break has dropped by 35%. Earlier, the mill lost Clupak ropes 3 to 4 times per month, which caused additional downtime and lost production.

This challenging project has fulfilled all the targets set for it, and the customer is very pleased with the results. The customer has already placed another order to rebuild the tail threading in the reel area.

At the same time as this rebuild, Runtech delivered a new save-all for the PU roll and Ecoflow measurements for the press section. The customer has reported lower steam consumption on the dryer section thanks to the improved doctoring.



Ecopaper PM2, Romania. Installation of the new PM2 machine is complete and has started up successfully. PM2 is a new 4.3-meter liner/medium machine running at 800 m/min. The Runtech delivery included ropeless tail threading from press to reel.

Ismax TM1, Spain. This 2.8-meter-wide tissue machine vacuum system rebuild started up in May 2016. Delivery includes one EP400-700-D2 Turbo, Ecodrop water separator, Ecoflows and Siemens Simatic HMI logic for controls. The vacuum system's power consumption is 150–220 kW, depending on the felt life.



PM1 is a kraft paper machine running up to 800 m/min. Basis weights range from 50 to 140 g/m².

Mondi Ruzomberok PM1, Slovakia. The second step of the ropeless tail threading project has been installed and is working very nicely. The first part of the project included tail threading for the press, pre-dryer and Clupak area. The second step included installing the ropeless reel and a full-width Pull Down Foil for the reel.

Seha Paper PM1 and PM2, Korea. These 2.5-meter-wide board machines have each successfully been fitted with EP Turbos. After the rebuild, specific energy consumptions (SEC) have dropped dramatically: SEC for PM1 and PM2 is now 18.6 kWh/ton and 24 kWh/ton, respectively.

Vege PM1. A RunPress project started up in Turkey. The project scope included one EP500-700-D10 Turbo, Ecoflow systems for the press section and new doctoring for the combi press and 3rd press rolls.



The PM1 vacuum system was fully rebuilt with all 7 vacuum pumps stopped and replaced by one EP500-700-D10 Turbo. The machine is now operating without a couch roll vacuum. Yet thanks to the improved doctoring, specific steam consumption has come down from 1.66 t/t to 1.5 t/t. At the same time, there are fewer sheet breaks.

The vacuum system power consumption is now 330 kW, representing a project energy saving of 600 kW. And for this size of machine, the SEC is of world-record class at 30 kWh/ton! Water savings is also very significant: 60,000 m³/year less water goes to into the wastewater treatment plant. Total project ROI is expected to be less than 2 years.

LATEST ORDERS

Lee & Man ordered four RunPress packages for its testliner machines PM7, 9, 12, and 15 in Dongguan, located in the southern part of China. The delivery includes a total of 16 Ecopump Turbo blowers, over 50 Ecoflow units, and press section doctoring packages.

Lee & Man Tissue ordered RunEco vacuum systems for its new tissue lines PM9, 10, 11, and 12. This delivery will include two EP500-700-D1 Turbos for each machine and a full Ecoflow system.



All these machines are 5.6-meter-wide tissue machines with a top speed of 2,000 m/min.

Europac Viana ordered a full vacuum system rebuild for its PM4 machine in Portugal. This turnkey project includes 5 Ecopump Turbos and an Ecoflow system for the press section.

Viana PM4 is a 6.5-meter-wide containerboard machine running at a rate of 1,100 m/min. Annual capacity is over 400,000 tons of unbleached kraftliner.

Fujian Liansheng Paper ordered a full vacuum system rebuild from Runtech. The delivery includes a total of 11 EP Turbos for PM2 and PM3.

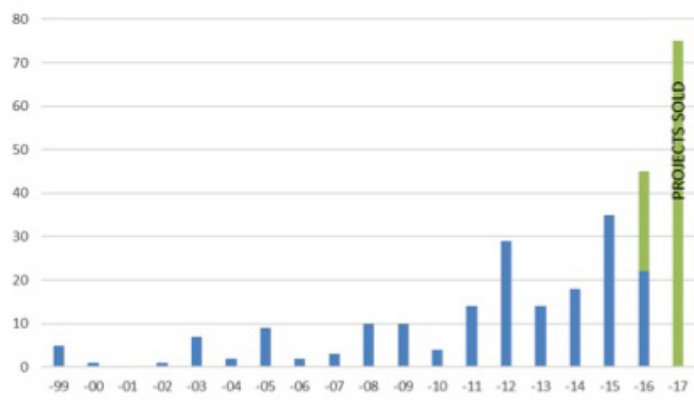
Zhejiang Jingxing ordered RunEco vacuum systems for its PM12 and PM13. Included in the delivery are two EP500 Series Turbos for each machine. PM12 is a 5.6-meter-wide kraftliner machine and PM13 is a 5.1-meter-wide brown paper machine.

Ence Pontevedra Pulp and Oyka Kagit Caycuma PM1 placed new orders and will continue its vacuum system optimization program with Runtech.

Pontevedra ordered a project for PDM2 to begin after successfully completing its PDM1 project.

Caycuma PM1 ordered a second EP Turbo to replace its remaining liquid ring pumps. The first EP Turbo project was completed two years ago. After this second step, the machine will run with the two EP Turbos only and all 6 liquid ring pumps will be stopped.

VACUUM SYSTEM BUSINESS DEVELOPMENT
TURBO INSTALLATIONS



Other Ecopump vacuum system orders:

Alkim Kagit PM1, Turkey
Kombassan Kagit PMx, Turkey
Zhejiang Kingdecor PM4, China

NEW OFFICE

Runtech Systems opened a new office in Shanghai, China. This helps us to deliver better and faster service to the growing Asian market.

Address:

Room 401, Building 2, No. 690,
Bibo Road, Pudong District,
Shanghai, China

NEW TEAM MEMBERS

Runtech China:

Wen Le
Fang Guanjun
Zhong Yangfu
Chen Jianmei

Vacuum and dewatering audits
Tissue project handling
Electric and automation
Engineering and service

Runtech Finland:

Juha Korvenniemi
Jukka Virtanen
Toni Raja
Aki Loippo
Aapo Ala-Sankila
Juho Loippo
Matti Nykänen
Liisa Loippo

Technical Director
Project Manager
Project Manager
Research & Development Engineer
Project Engineer
Project Engineer
Mechanic
Marketing and Sales Assistant

Wishing everyone a warm welcome!