

## L'Imprimerie, France

L'Imprimerie is part of Riccobono Imprimeurs group which is the leading printing house in France. One of the biggest daily newspapers in France, Le Figaro, is printed in the Tremblay-en-France site. With Rocla AGVs L'Imprimerie is able to print in an economical way.

At L'Imprimerie reel logistics is handled by six Rocla AGVs. The AGVs are interfaced with KBA printing press and a roll handling systems as Rocla has done co-operation with this offset system provider for over 10 years. Thanks to that co-operation, L'Imprimerie received "a turnkey project" in reel logistics from KBA. The importance of environmental protection issues led L'Imprimerie to choose Koenig & Bauer Group's (KBA) waterless offset system Cortina.

"Several newspapers are printed at our Tremblay-en-France site. Our biggest product is Le Figaro which is one of the biggest daily newspapers in France. We print it about 300 000 copies per night", Mr. Gilles Dechamps explains.

"During a week we consume approximately 240 paper reels of 5 different reel sizes", Mr. Dechamps estimates.

To be able to print in an economical way, all the in-house logistics is carried out completely automatically by using the AGVs. The day of an AGV starts at noon when the production begins to prepare itself for the night production. The AGVs transport the reels from the main warehouse to feed the production line.

L'Imprimerie is satisfied with the whole assembly project delivered by KBA. The project included the printing press, the AGVs, an MPS roll handling system from company ABB as the warehouse management system (WMS) and an automated waste handling system for brown/white paper and reel cores. The co-operation provided l'Imprimerie a quick installation of AGVs, printing machines and reel handling. Also, the customer didn't have to worry about interface or communication problems between different systems.



## Kabel Premium Pulp and Paper, Germany



Kabel Premium Pulp & Paper has an annual capacity of 450 000 tons. They are producing offset and rotogravure papers on two paper machine lines for both reels and sheets. In the converting department they are using 3 Rocla AGVs to handle all the finished goods transportations. The AGVs were installed in the summer of 2014.

Rocla's AGV system is responsible for unloading the conveyor belts for the wrapped sheet pallets, and for transportation of these pallets to the loading ramp that is being used for both internal and external trailer system. The capacity of this sheet department is 35 pallets per hour, from the conveyor belt to the storage area and finally into the loading ramp.

Kabel Premium Pulp & Paper has a very special installation, since they are handling around a thousand of different pallet sizes. Also the height of the pallets can vary a lot. In the block storage room they are stacking 2 to 4 pallets on top of each other.

“Our installation is demanding, and the function of the AGVs should be as serious as it can be. On one hand we have the big amount of pallet sizes, and on the other hand we also have to make the stacks stable”, explains Mr. Michael Rudat, Logistics Manager of Kabel Premium Pulp & Paper.

“The main goal for the automation project was to reduce costs. The project was made in time by Rocla, and Rocla is our main supplier for both the AGVs and the warehouse management system”, says Mr. Rudat.

In the intermediate warehouse there is room for 300 to 500 pallets. In the mill around 3,000 tons of sheet paper is being handled.

“Our AGVs can handle the pallets from both sides, from the conveyor belt to the storage room and also to the loading ramp, which increases the flexibility of the system”, complements Mr. Rudat.

There is a lighting system with green and red lights installed, which shows the forklift drivers from which lanes they can remove the pallets to the main warehouse. The warehouse management system knows, when the pallet stack is full for the customer order.

“The AGV system is projected with safety installation, that there is no hazard for people or no collision with the pallets. That we have checked at first, and it was also checked during optimization that there are no failures. The whole system that we have running from Rocla is approved by safety authority, which means for us, that the system can run independently without any observation from our mill people.”

**Michael Rudat**, Logistics Manager,  
Kabel Premium Pulp and Paper

