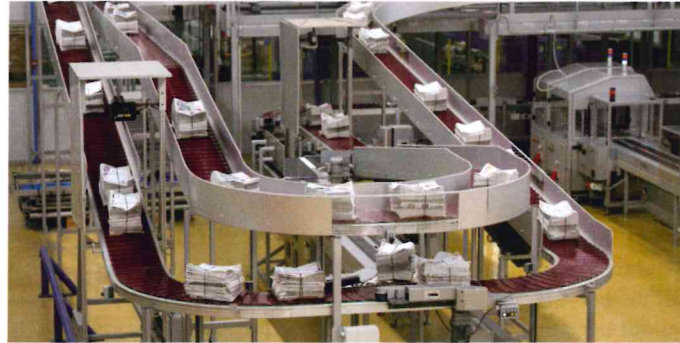


# DISTRIBUTION INTRALOGISTICS

A conveying and buffering system with intelligent control enables operators to process newspapers in accordance with their delivery schedule



Fully automatic distribution logistics: the PKT transport system's lower level takes the newspaper bundles directly to distribution, while the upper level serves as a holding loop for bundles that will be released for distribution later

The Ferag PKT transport system ensures that the assignment of newspaper bundles to loading docks is fully automatic. The bundles can be sent to a holding loop for call up at any time.

The PKT transport system takes newspaper bundles from the production line and assigns them to the correct loading dock, fully automatically and without manual intervention. The Navigator control system uses production and distribution data to identify the individual newspaper bundles. The result is easy tracking of the bundles from the compensating stackers through to their transfer to the vehicles.

### Holding loop for selective distribution

With the PKT transport system, the distribution line can be laid out freely on multiple levels. Such flexibility enables the integration of buffer sections. The buffer serves to accommodate newspaper bundles that have been produced with a specific route allocation but are not yet due for

distribution. The Navigator control sends these bundles into a holding loop, calls them up at a set time and then automatically releases them for distribution (see Société Ouest-France).

The buffer integrated into the PKT transport system enables all editions of a newspaper to be produced on the printing press non-stop. The task of selective distribution is handled by the PKT transport system and the Navigator control.

### Energy saving and zero maintenance

The basis of the PKT transport system is a strong metal chain with separate plate elements manufactured in rugged plastic. Tight curves allow the line layout to be adapted in all three dimensions to fit in the space available. The chain is supported on rollers and slides with low friction inside a tough steel channel, saving energy and costs. Three motors, each producing 1.5kW of power, are enough to drive the chain on a 1,300ft section.

### Low operating costs and high security

The PKT transport system is a simple and economical solution for efficient distribution logistics. It forms a fully automatic interface between the newspaper printing press and the loading dock, where bundles are transferred to vehicles, and can even be retained in a buffer before being released for targeted distribution.

### Soci t  Ouest-France

Each night, Soci t  Ouest-France SA produces around 7,500 newspaper bundles in Rennes, split into 37 regional editions, and about 3,500 bundles in Nantes, covering 13 editions. At both facilities, newspaper bundles destined for the same route must be released for distribution by the control at different times. Accordingly the PKT transport systems in Rennes and Nantes are laid out on two levels: the lower level is for the bundles intended for immediate distribution while the upper level is for newspaper bundles not meant for current distribution, which are put into a holding loop where they remain until being cleared for distribution.

The PKT evacuation systems are configured for a capacity of 160 bundles per minute in Rennes and 80 bundles a minute in Nantes. The upper levels for the holding loops are 650ft and 490ft long respectively. In addition to the 11 loading docks in Rennes and seven in Nantes, each location features an outlet for subscriber newspapers sent by post and for small, manually processed volumes.

Quai No. 9		23:58:21	
005:Bretteville Mondeville			
Edition	Real	Clot	Stock
AUGE	22	22	22
BAYEUX	67	67	67
ORNE	2	2	2
ST_LO	1	1	1
VIRE	98	96	96
CAEN	273	273	273
MANCHE_SU	1	1	1

The Navigator control assigns several different regional editions to the same vehicle. The drivers then receive information on the production status and editions



Production and the assignment of regional editions to the loading docks are planned, controlled and monitored on the central Ferag control console

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