

“We required a combined case erector – bag inserter, producing bags from a roll, to be independent of film suppliers and to respond quickly to increased production capacities.

PANO VERSCHLUSS GMBH  
(GERMANY)

Marco Erdtmann  
Plant Manager

**PANO VERSCHLUSS GMBH**, a traditional company with nearly 100 years of history, relies on the experience of Pattyn Packing Lines. Together with the commissioning of a new production plant at Pano's headquarters in Itzehoe, the combined case erector – bag inserter Ceflex-21 with hot melt device was started up.

The development of innovative screw closures for glass packaging and their in-house manufactured glass capping machines are the outstanding milestones of the northern German company with about 140 employees. To meet the increasing demand of innovative closures, Pano had to raise the production capacity and constructed a completely new building in 2011.

This created the need for an automated solution to pack closures efficiently into lined cartons, explained Mr. Erdtmann.

“When choosing a solution, the following three criteria were important to us: the possibility to integrate the packaging machine in the near future in a completely automated line, the machine needed to produce plastic bags from a roll in order to be independent of suppliers of pre-made bags and needed to be very easy to operate. References from our industry were also important”, said Mr. Erdtmann.

“Before at Pano, the corrugated cartons, 600 x 400 x 320 mm, with pre-made bags were handled manually at several production lines. With the increased production capacity and the grown structural conditions this was a very complicated and expensive way of packing. With the planning of a new building we considered the integration of an automated packaging line up to palletizing, with in a first step the in-



vestment in the combined case erector – bag inserter Ceflex-21 with hot melt.”

Mr. Erdtmann: “The solid construction of the combined machine and the professional assistance of Inline, Pattyn's German Business Partner, has convinced us to choose for the technology of Pattyn Packing Lines.”

“We are now able to respond quickly and in a flexible way to the increased production capacity and we are able to expand in a future step to a fully automated packaging solution up to palletizing” commented Mr. Erdtmann.



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### PRODUCT & CONTAINERS

Screw closers for glass packaging  
Cartons: 600x400x320mm

### CHALLENGE

Increase the efficiency & productivity of the current packaging process

### SOLUTION

Installation of the Ceflex-21, an easy-to-use case erector – bag

inserter, which automatically forms squared cases and inserts made-to-measure bags from a roll

### RESULTS

- Quick and flexible response to the increased production capacity
- Easy to expand in a future step to a complete line up to palletizing
- Cost-effective bag insertion and free choice of film supplier