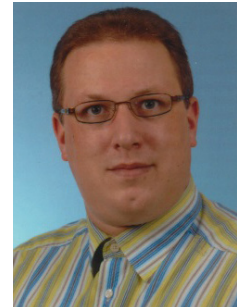


“With the CE-11-P case erector and ZIM-11 bag inserter we now easily handle 2 different footprints randomly without intervention of an operator”.



RAUH GMBH KÜPS (GERMANY)

Michael Blüchel  
Production Manager

**THE RAUH GROUP** with headquarters in Küps, produces caps, strap locks and screw caps. The family owned company has 3 locations in Germany and Slovenia and is a leading supplier of fasteners in Europe. In 1947 the company was founded by Bartholomäus Rauh and is producing strap locks since 1949.

“Parallel to an investment in new machinery for manufacturing bottle caps, we wanted to automate the case erecting and bag inserting process”, says Michael Blüchel.

“The challenge was to form randomly and fully automatically two different box sizes, different from footprint and height, and to insert the correct bag in the box, without intervention of an operator. In addition, it should be possible to produce carton boxes without bags and to change over automatically to the different format after producing a predetermined number of boxes.”

“Thanks to the modular design and fully automatic settings of the Pattyn machines, these complex requirements were simply implemented.”

One CE-11-P case erector, extended with a second carton magazine, forms the requested box size. Equipped with a double film roll magazine the compact

ZIM-11 inserts the right bag in the right box. The entire unit, including a carton closer with bottom taper, is easily managed on only one HMI touch screen.

“With the support of the company INLINE Packaging from Nordhorn, our rather complex requirements were smoothly implemented.”

“We are now able to respond quickly to our increased production capacity and customers’ requests and are thinking about linking the Pattyn machine in a future step to the processing technology”.



### PRODUCT & CONTAINERS

- Bottle caps.
- Small and large boxes.

### CHALLENGE

- Handle 2 different footprints randomly with only one case erector and bag inserter
- Form boxes with or without insertion of PE bags.

### RESULTS

- Fully automated carton erecting and bag inserting process.
- Responding quickly to increased production capacity and customers’ requests.