

# Case Story

## Packaging

Smurfit Kappa MNL Golfkarton B.V., Loenen (Netherlands)

## HKZ-700 noticeably increases productivity

Smurfit Kappa MNL Golfkarton B.V. has equipped a Bobst Mastercut 2.1 die-cutter with an HKZ-700 cardboard shredder. The shredder ensures smooth disposal of even long front waste.

Smurfit Kappa MNL Golfkarton B.V. produces on four lines from Monday to Friday in three shifts. On a Bobst Mastercut 2.1, an HKZ-700 ensures a stable die-cutting process in non-stop operation. The shredder shreds gripper margins with a width of up to 150 millimetres, and an extraction system removes the shredded waste from the production area.

*„The HKZ-700 is a robust system that works reliably and fulfils its purpose one hundred percent.“*

John Wijnants, Production Manager

The system convinced him during a machine inspection, says production manager John Wijnants. And the HKZ-700 has proven itself in practice. “In combination with other meas-

ures, we were able to significantly increase productivity on the die-cutting machine,” he confirms.

Reliable, robust technology and trust in the supplier and its services are the most important criteria that John Wijnants bases his investment decisions on. “We strive for a relationship based on partnership. That is very important for the co-operation.” In this respect, he gives Hunkeler Systeme AG high marks. “Despite difficult conditions due to the pandemic, the communication was right during the project, and the technicians and engineers worked in an exemplary manner.”

Smurfit Kappa commissioned the HKZ-700 cardboard shredder in November 2021. Since then, the shredder has been working perfectly. “We would choose this technology again,” says John Wijnants.



Thanks to the shredding of the gripper margin directly on a Bobst Mastercut 2.1, Smurfit Kappa was able to noticeably increase productivity in the die-cutting process.





The HKZ-700 cardboard shredder shreds large, up to 150-millimetre-wide gripper edges without any problems. A conveyor belt removes the waste from the production area.

### Over 100 million square metres of corrugated board

Smurfit Kappa MNL Golfkarton produces corrugated board packaging for the entire European market. The plant in Loenen is part of a cluster that also includes the sites in Herbeek and Soest.

The customers are bulk buyers from the food industry, the vegetable and beverage trade. As John Wijnants says, the company is pursuing the goal of reaching the mark of 100 million square metres of processed corrugated board for the first time in 2023. Production takes place in three shifts from Monday to Friday on four lines.



The new Bobst Mastercut 2.1 is the latest of four lines producing corrugated boxes at Smurfit Kappa MNL.

The latest line incorporates a Bobst Mastercut 2.1, the machine equipped with the HKZ-700 cardboard shredder. Thanks to the shredding of the gripper margins directly where they occur in the machine, the waste is cleanly removed from the work area. There is no need for a failure-prone pre-cut within the punching machine. The danger of unshredded waste clogging the exit and causing a machine standstill is effectively banned.

### Robust, durable system

The HKZ-700 has two shafts, each driven by a motor with different speeds. The slow-running shaft pulls the gripper edges into the shredder, while the faster-running ripper shaft cuts them into the desired size. Large blades made of wear-resistant and durable special steel are mounted on the shredder shaft.

The HKZ-700 takes up a footprint of just one square metre. The shredder is not only compact, but also very energy-efficient. A frequency converter allows the speed of the blades to be dynamically and precisely adjusted to the amount of waste produced.