



# GRAVITY FEEDING



Cut Tobacco Feeding Solutions

### HEINEN KÖHL Feeding Philosophy

The HEINEN KÖHL Feeding Philosophy is based on the principle of the Gravity Feeding Process.

The Gravity Feeding Process allows an accurate control of the tobacco flow, including regulation of the tobacco's volume and the ratio of the tobacco blend to the transporting air.

That means always the right amount of tobacco by keeping the optimum of the tobacco/air ratio.

Using the gravity process HEINEN KÖHL eliminates the necessity of shaking the cut rag and keeping it in a fluidised condition.

#### ADVANTAGES OF GRAVITY FEEDING

- ▶ Decreasing tobacco degradation
- ▶ Maintaining the filling power
- ▶ Minimizing tobacco dust
- ▶ Avoiding segregation of the cut rag
- ▶ Gentle handling of long fibre blends for RYO/MYO



# GRAVITY FEEDING





## GF3 and GF6 MAKER FEEDER

The functional principle of the HEINEN KÖHL Gravity Feeders GF3 and GF6 uses metering tube, metering belt and the dosing doffer as main components.

This design guarantees a very gentle handling of cut tobacco and a non-measurable degradation. The design allows a permanent dosage of the tobacco amount in relation to the cigarette maker speed.

The complete system is subordinated to the maker. The feeder automatically supplies the needed dose of tobacco by continuous motion of the tobacco

flow. The air intake supports the tobacco flow and keeps the tobacco in motion for the pneumatic conveyance.

Thereby degradation of the processed tobacco is reduced to a minimum and there is always the correct dose of tobacco amount in relation to the transport air. The maker demand is guaranteed.

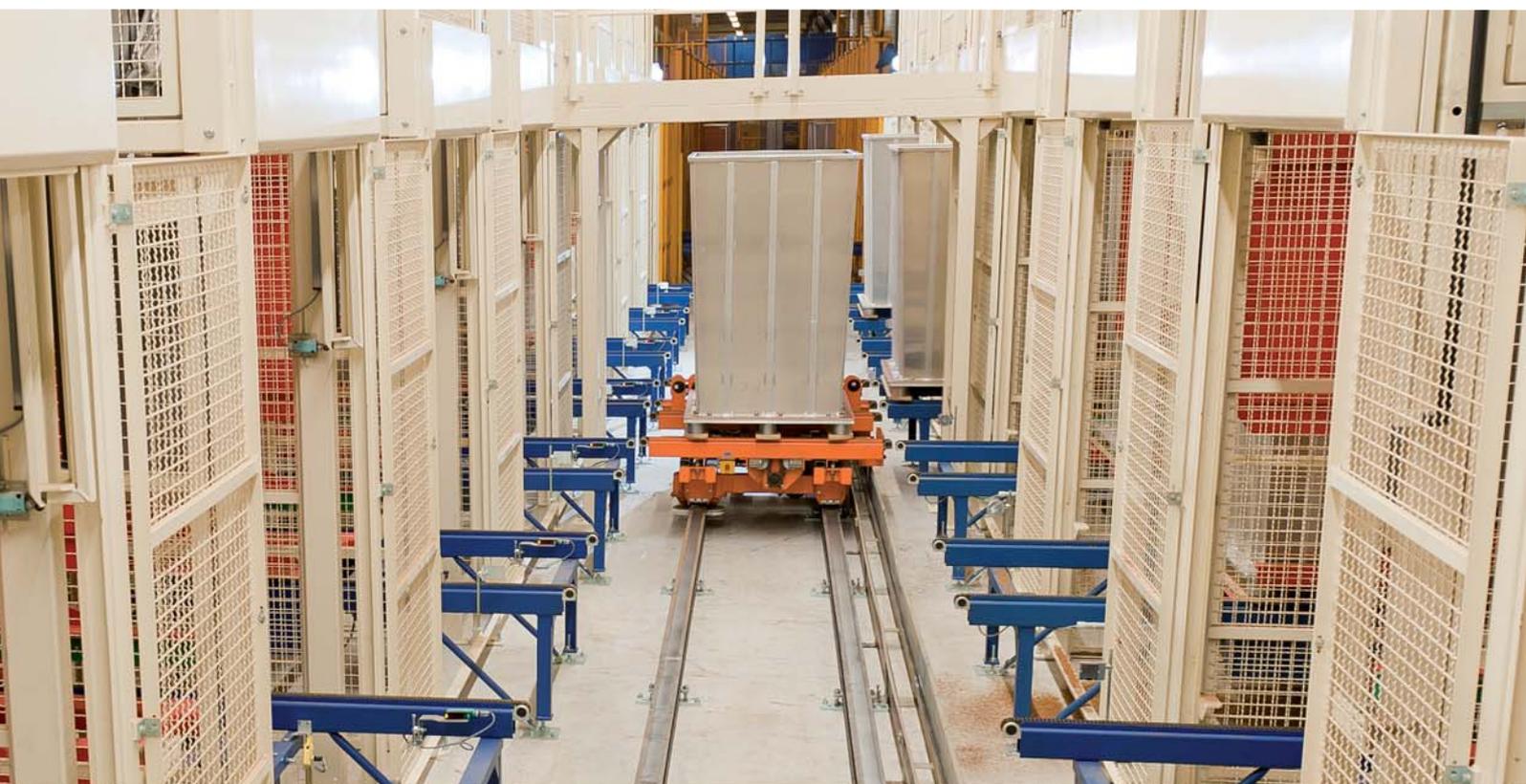
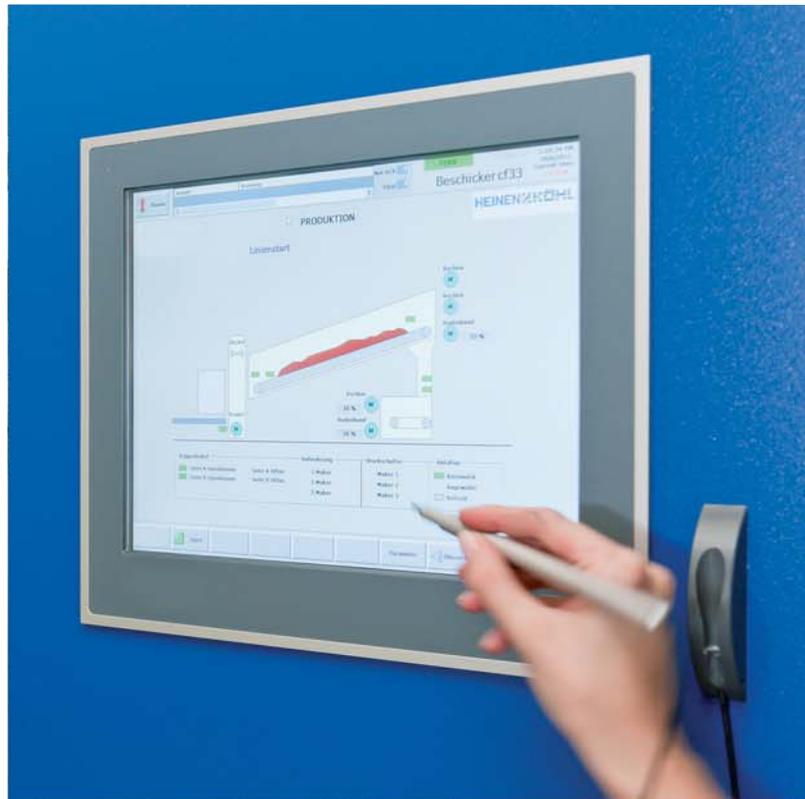


## **GF 3/6**

The GF3 and GF6 feeders are well suited for feeding of 1 to 6 cigarette makers.



# FEEDING SOLUTIONS

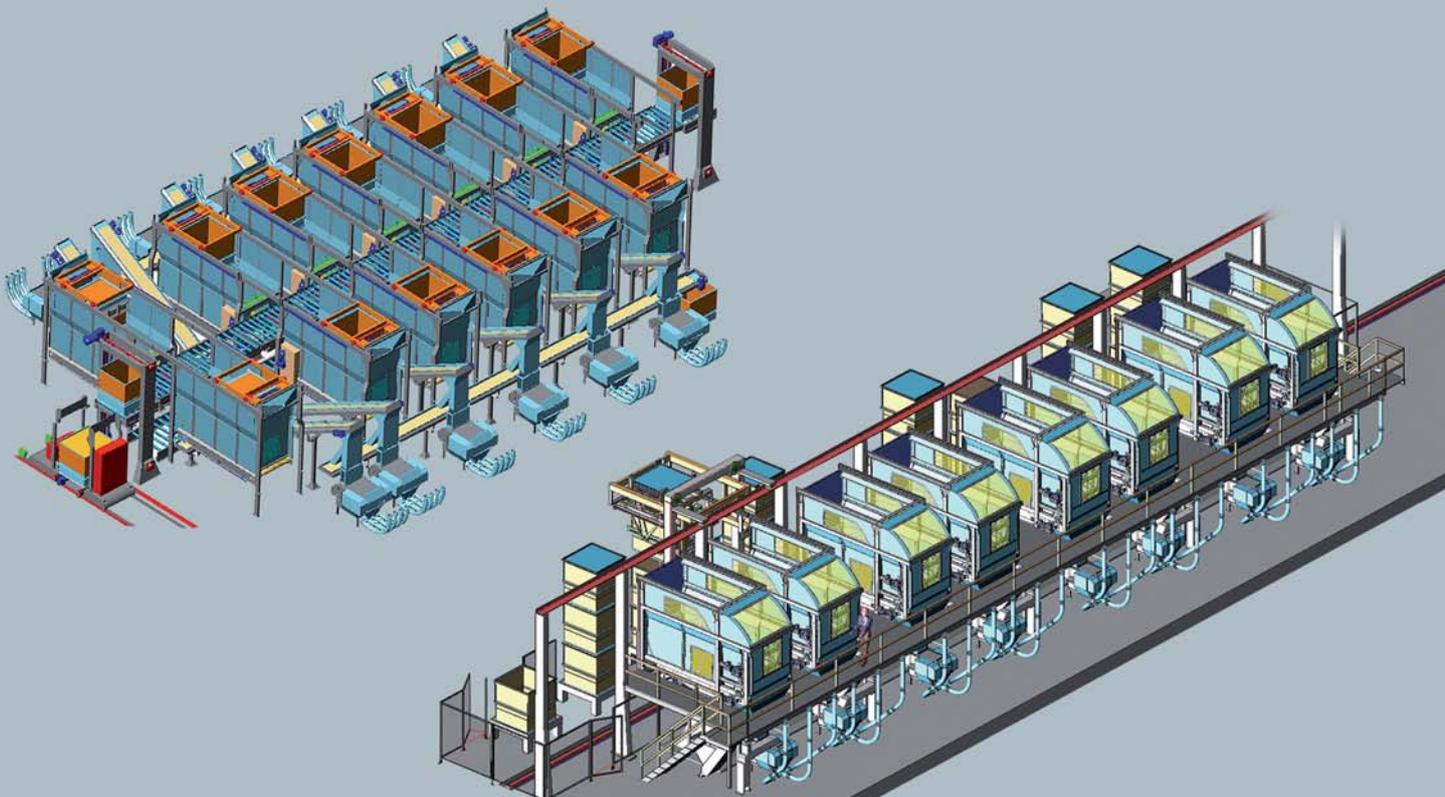




The feeding solutions are the important interface between Primary and Secondary. HEINEN KÖHL integrates bin handling and storage plants, tipping equipment, silos and even industrial robots in such solutions to achieve the best flexibility, product savings and efficiency.

HEINEN KÖHL feeding solutions strive to exceed customer expectations with complete feeding plants, which are clean, compact, efficient.

HEINEN KÖHL feeding solutions can be equipped also with innovative tipper systems for gently pouring the tobacco out of bins or cases into customized mini silos. Movable tippers, automated guided vehicles, RFID control of the bins can be applied for better performance and automation of feeding.



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Additional information