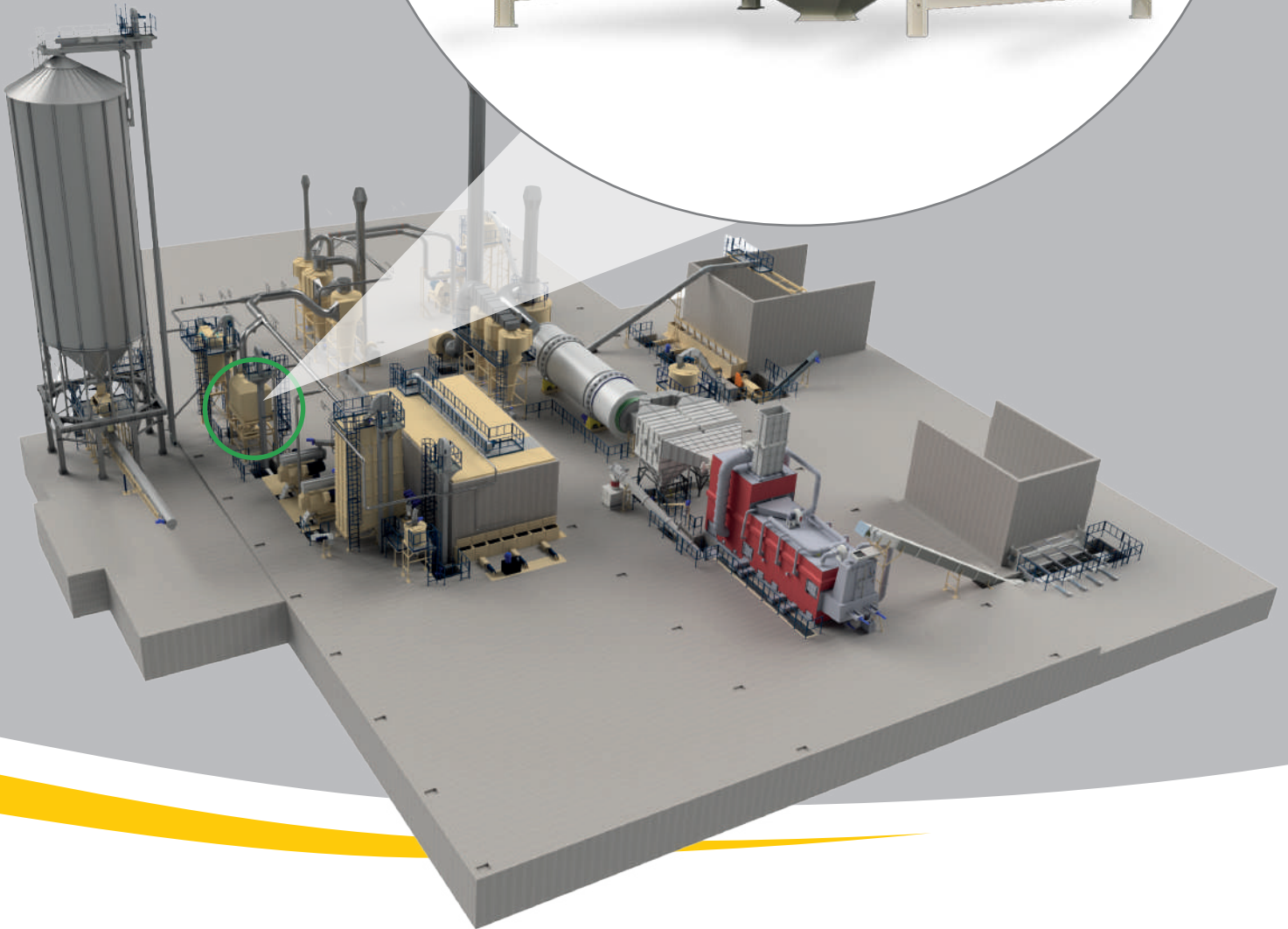


**Mechanical  
counterflow cooler  
for pellet**



**COMERC**  
ACCORDING TO NATURE

geelen  
counterflow  
cool and dry



# COMERC

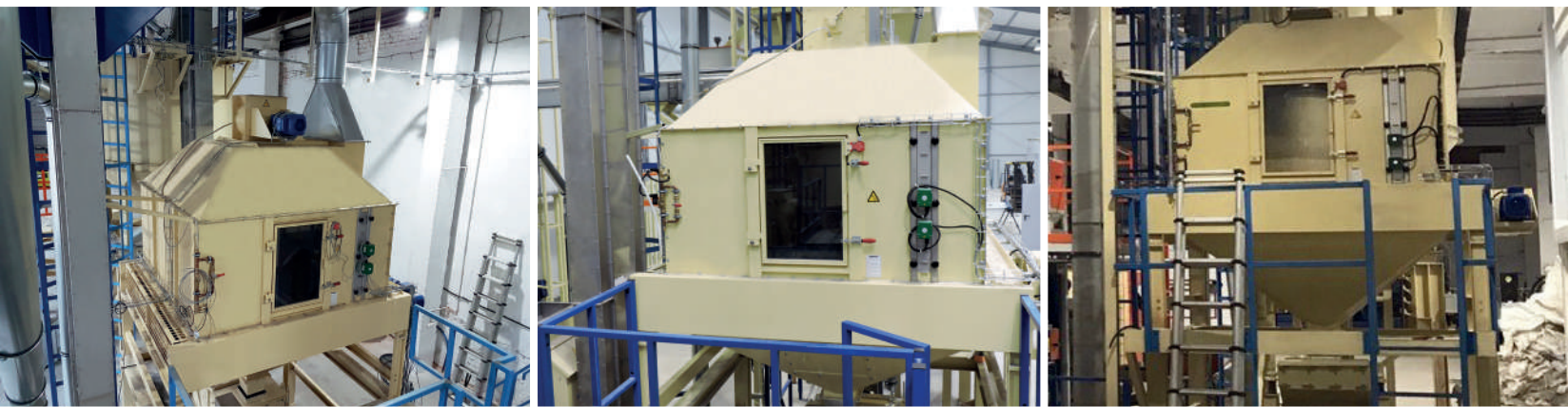
ACCORDING TO NATURE

## Mechanical counterflow cooler for pellet

The principle of operation of counterflow cooler is based on cooling hot pellets by countercurrent stream of cool air. Cool air gets inside cooler chamber through inlet at the bottom on the device and gets outside through outlet located at the upper part of cooler.

Material is fed into cooler chamber through inlet rotary valve located in the upper part of cooler. Inside the chamber a suitable constant layer of material is maintained and after reaching the maximum filling level, sensor activates discharge grate, which cyclically discharges cooled product into unloading hopper until minimum level will be reached again. Minimum and maximum filling level of cooler chamber is adjusted by manual setting the positions of level sensors.

Discharging mechanism located at the bottom part of cooler ensures steady removal of material from cooler chamber and also prevents from overflowing with pellets. Discharger is driven by gear motor. Discharging speed is adjusted by hand wheel or by two-position system with a pneumatic actuator.



Counterflow cooler for pellet	
Model/Type	VK-RP
Material	structural steel, stainless steel
Overlay	paint, spray painting
Loading mechanism	inlet rotary valve, constant layer of material adjustable system
Cooler chamber	inspection hatches, filling level sensors, fire protection system
Unloading mechanism	triple grid discharger
Rotary valve drive type	gear motor
Capacity	2,5 – 25 t/h
Manufacturer	Geelen

Cooler is additionally equipped with fire protection system, which continuously monitors temperature of cooled material. In case temperature exceeds alarm level, the system automatically opens water supply valve to sprinkler installed inside cooling chamber resulting in sprinkling material by water and extinguishing a fire.

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