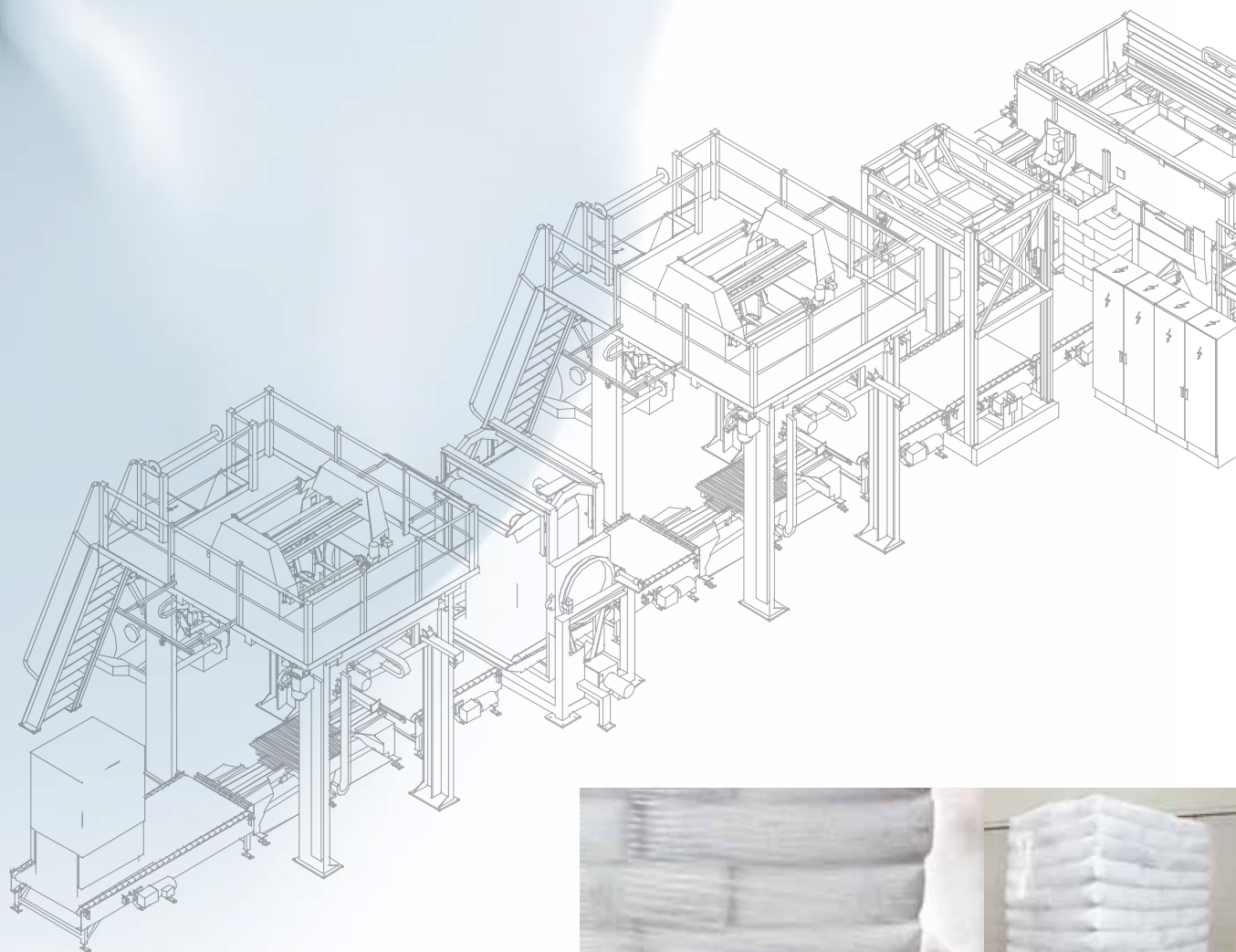
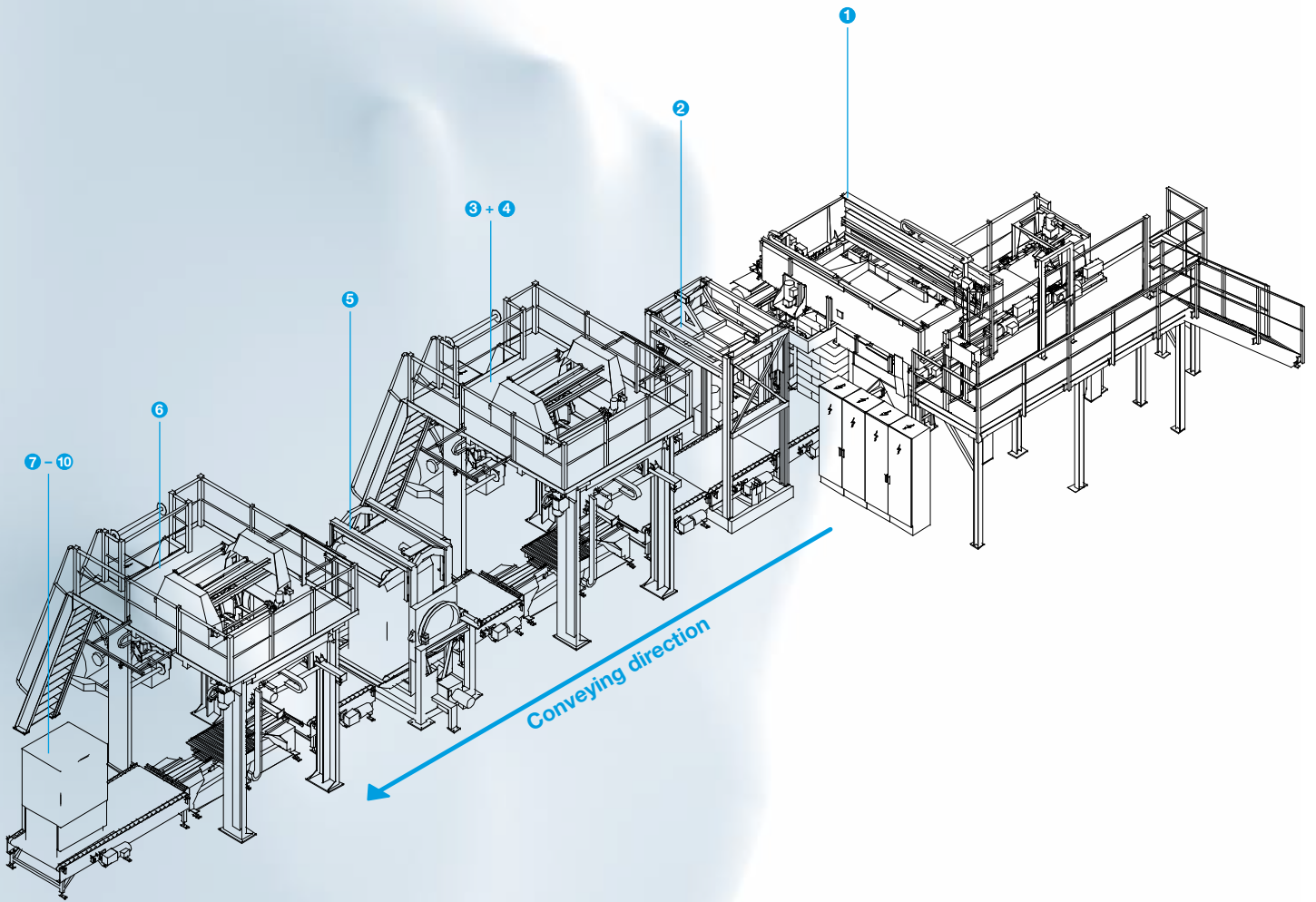




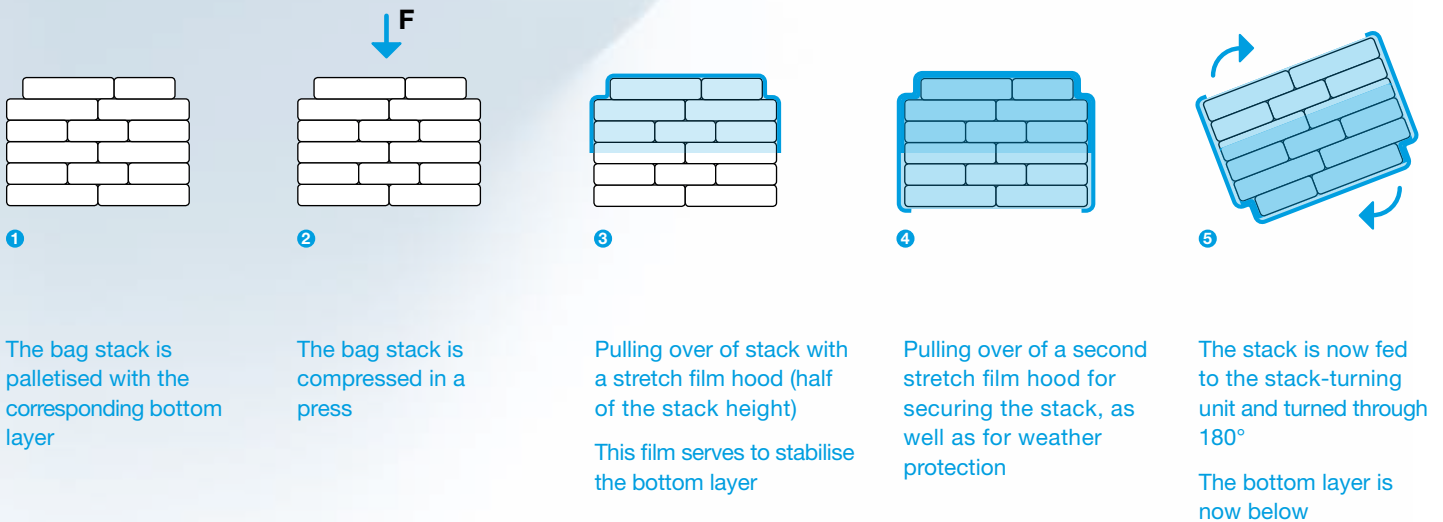
**BEUMER**  
technology in motion

## BEUMER paketpac® Palletless stretching





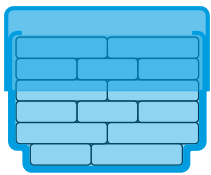
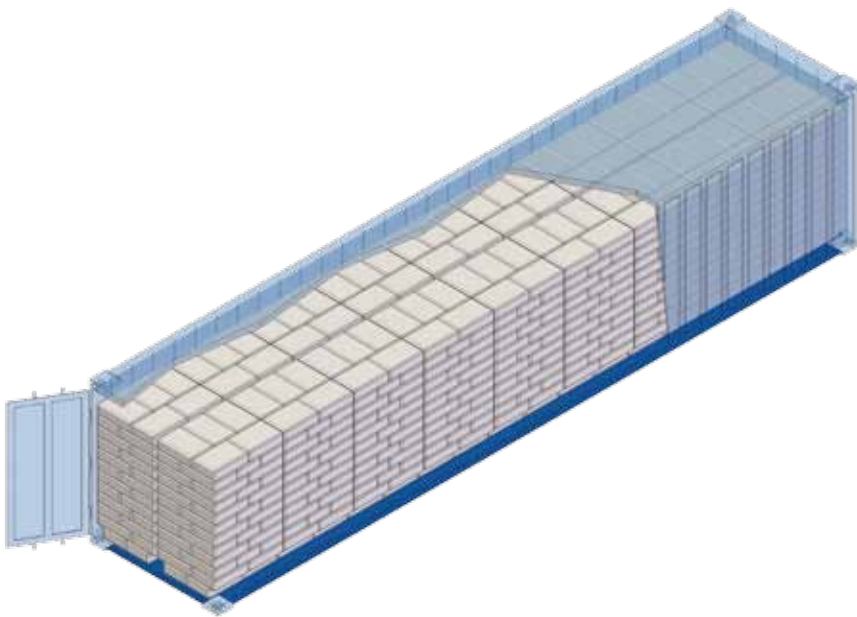
**Process features**





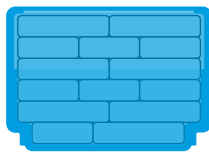
## Advantages of the method

- Up to 7% higher loading capacity of the containers/trucks/rails due to the pallet no longer being used as a transport medium
- Stacker unloading container in longitudinal direction
- Sheet technology and the corresponding equipment no longer necessary
- Ability to stack one above the other
- Low power consumption (>90%) in comparison to shrinking technology
- Long-term vertical tension maintenance due to use of stretch film instead of shrink wrapping
- No handling of pallets – cost reduction
- Good outside storage
- Elimination of film laminating with plastic bags



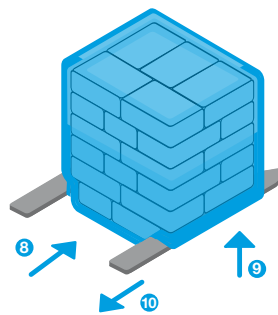
6

A third stretch film hood is pulled over  
The stack is now surrounded by film on all sides



7

Transport to the take-away point



8

9

10

Engaging of forks without side adjustment is possible

The forks grip into the corners next to the bottom layer, lift the stack and carry it safely

Picking of the stack with the forklift truck

Container loading



# BEUMER paketpac® Palletless stretching

**Working method:**  
fully automatic hood stretching

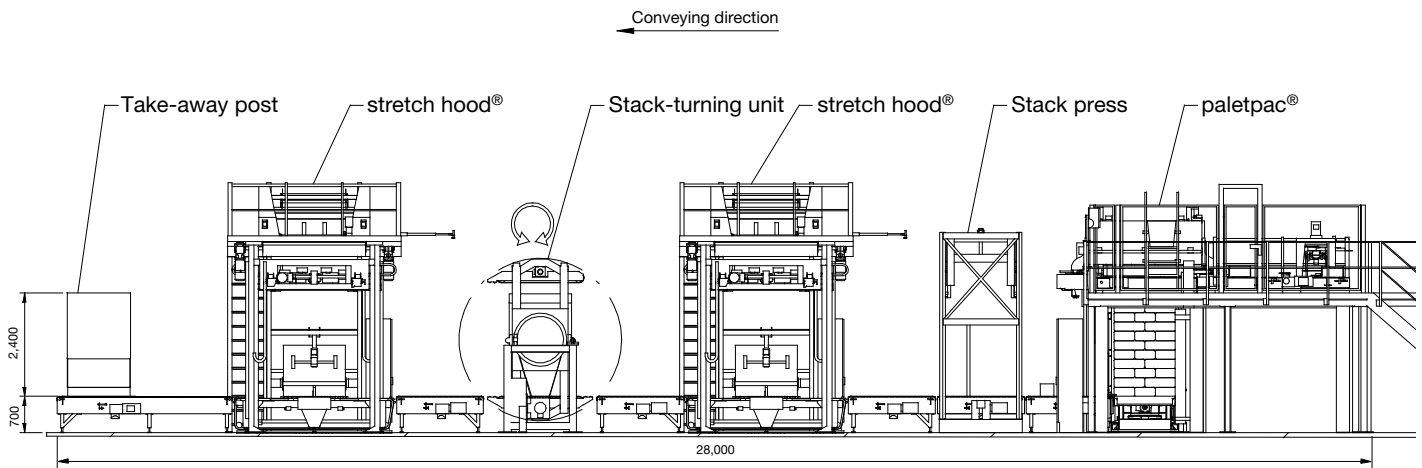
**Packaging:**  
gusseted film tube

**Film thickness:**  
max. 180 µm

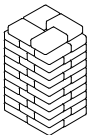
**Capacity:**  
up to 65 stacks/h

**Stack heights:**  
up to 2,400 mm

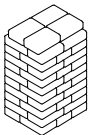
**Stack dimensions:**  
1,300 × 1,100 × 2,400 (mm), L × W × H



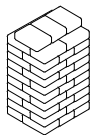
## Cover layer variants



Chimney pattern  
of 4 for crosswise  
truck loading



4-bag bonded  
pattern for longi-  
tudinal container  
loading



3-bag bonded  
pattern

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BEUMER reserves the right to make modifications that serve technical progress.