



Performance
through
Understanding



A FLEXIBLE AND GENTLE COLLATING INFEEED SYSTEM FOR CASE PACKERS

Cermex ProSelex®



PERSONAL
CARE



HOME
CARE



FOOD

Overcoming the complexity of unstable shaped containers

Today, differentiation via innovative container design is a must.

But this often leads to complexity when conveying, handling, and collating shaped bottles as they need to be kept in perfect condition and they may become unstable during processing due to their very specific shape.

Production runs are also getting shorter. The number of formats and SKUs is constantly increasing while case counts are diversifying to include mini and maxi batches.

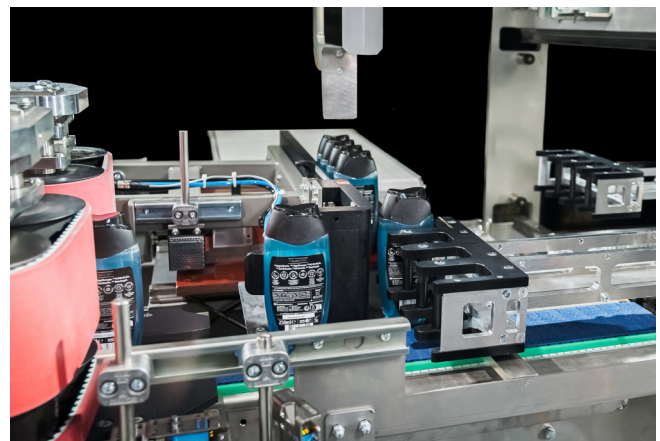
The need for fast, repeatable, and easy changeovers is therefore at top of every producer's agenda.

The new Cermex ProSelex® generation is designed to meet all these requirements with a system that conveys, pitches, groups, and feeds shaped bottles into any type of case packers.

Delivering extreme efficiency, high availability, and greater operability, Cermex ProSelex® is an accurate streamlined grouping device.

SPEECHLESS PERFORMANCES

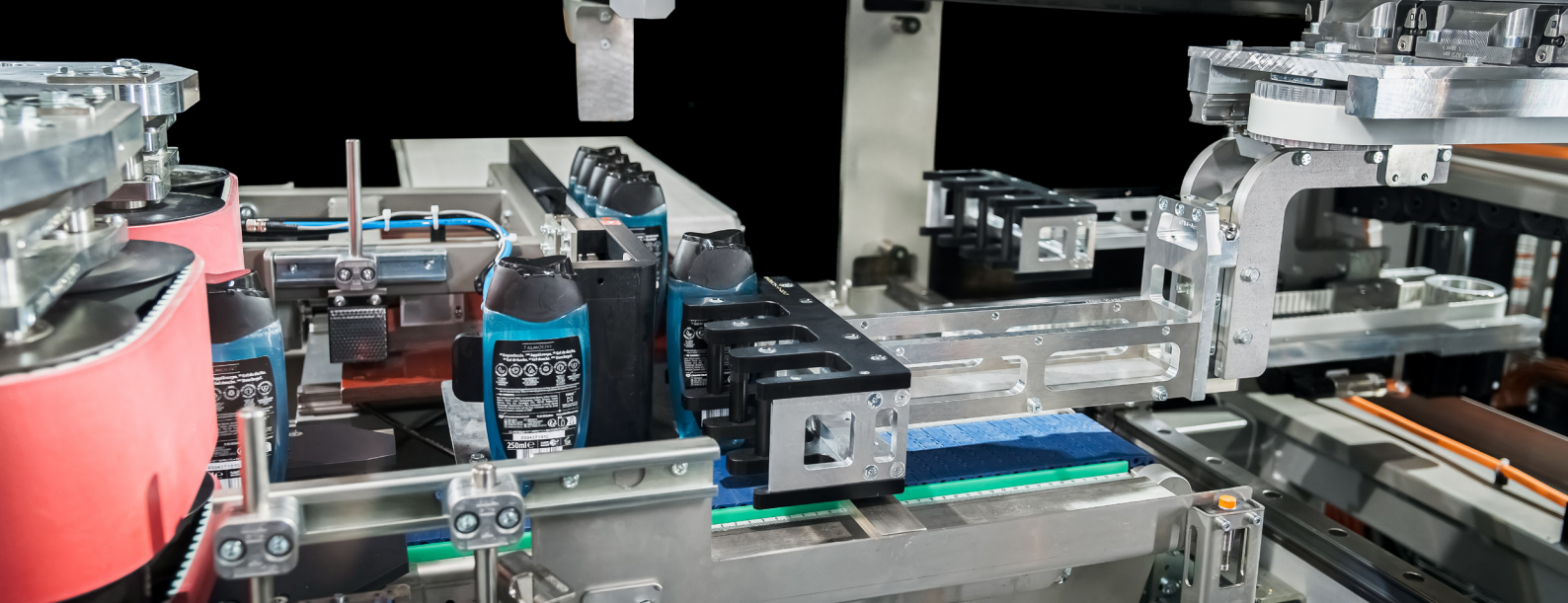
- Speed from 80 to 300 bottles/min
- Fast and repeatable changeovers for vertical start-ups delivering ever-shorter production stops:
 - Same bottle, different collation: 1min
 - Different bottle: 2min30
- Light and heavy products (batches up to 15 kgs)
- Case counts from small (3x1 products) to large (8x6 products), depending on product size



PRODUCT CARE

- Minimum upstream product accumulation to avoid product jamming and shingling
- Comb concept with limited number of contact points, to reduce friction and eliminate shocks and scratches
- 4 servo drives ensuring smooth, fast, and precise comb positioning and repositioning, to handle continuous product loading flows
- Shaped comb buckets to suit different product designs and sizes
- Products supported throughout all critical phases





EQUIPMENT EFFICIENCY

Robustness:

- Separate sturdy frame attached firmly to the machine:
 - Minimum vibrations so less risk of product instability
 - Designed to withstand heavy product/batch inertias
- Robust and modular automation, fully compliant with OMAC and Pack ML standards

Cost efficiency:

- Cost of adding a new format reduced thanks to low number of change parts needed
- Less storage space required for change parts compared to screw infeed
- Fully simulated solution via digital twin to reduce Time to Market
- Sustainability & reduced TCO thanks to pooling of energies and recovery of energy generated by motors in braking phases that can be used by other motors or the national power grid

EQUIPMENT OPERABILITY

Simple and user-friendly:

- Easy machine restart by the operator, after a stoppage, due to limited number of bottles inside the system
- Combination of simple manual and motorized adjustments for format changeovers
- Great operator and maintenance resources embedded in centralized packer HMI

Accessibility & hygiene:

- Ergonomic access to heart of the machine
- Mechanism and cabling located next to other mechanical parts, freeing lower part of the module (TPM standard design)
 - Better design in case of product leakage
 - User-friendly machine cleaning
- Large sturdy guard doors for optimal visibility

