# **Industry Solutions**

AmbaFlex is active in the 10 industries mentioned below. For each of these industries we offer specific solutions combining the experiences we build up over 20 years with 25,000 machines installed.

These solutions per industry are explained on the next pages.























PRIMARY PACKING



SECONDARY PACKING



FILLING SINGLE FILE



FILLING MASS FLOW



LIQUID CONTAINER PACKING



LOGISTICS SINGLE ITEMS



LOGISTICS SHIPPING CASES



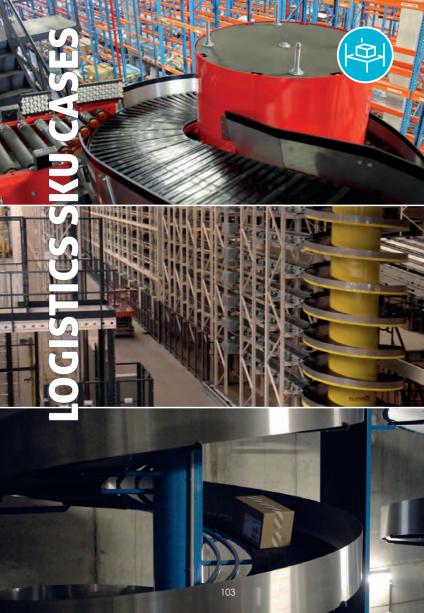
LOGISTICS SKU CASES



BAGGAGE HANDLING



PRINT FINISHING





## **LOGISTICS SKU CASES**



New trends in retail, such as a fast-growing number of SKU's and reduced in-shop storage, combined with an increased need for automation to keep costs down, require smart solutions in distribution centers.

All these new systems in mixed case handling and palletization have one thing in common - the need for vertical merging and sortation. The speed of order-release modules and other high end picking solutions require a quick way to replete and deliver.

AmbaFlex Spiral solutions have played a crucial part in these sorts of warehouses since the beginning of this century. After AmbaFlex invented the spiral-merge solution more than a decade ago, and the spiral sorter shortly after that. AmbaFlex became a household name in this industry.

Clever Designed Solutions were rewarded with multiple patents and many loyal integrators.





AmbaFlex has mastered the skills required for not only complicated vertical sorting or sequencing, but also the elevation of high-speed streams. Transporting mixed items requires careful handling with limited transfers and a well-designed belt top. The SpiralVeyor SV platform with its up to 600mm belt width and optional dual-belt easily checks all these requirements.



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### Vertical merging/sorting

A range of options, designed especially for vertical sortation and merging have been developed for over the last few decades. These range from multi-track, high-speed double row merging/sorting to divert-arms able to sort out to the most delicate cases such as tissue paper, and even a unique divert able to handle over 3,000 sorts per hour. For this, a range of connection bridges is supplied

pre-mounted to reduce on-site installation and eliminate the need for lengthy adjustments.



## Sequencing mixed cases

In order to create the optimal stable stack, mixed case palletizing requires the case to arrive in the right sequence. An automated retrieval or order release system runs much faster and more efficiently when the sequence is unsystematic.



So to match the storage and the palletizer in mixed case lines, a sequencer is needed to successfully connect the two. Based on multiple tracks with a continuous flow, AmbaFlex invented the spiral sequencer several years ago. A compact solution with a high output that perfectly matches the needs of the market.

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