

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.



INDUSTRIES



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 SKUCASES





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.

Video





Elevation

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.



LOGISTICS SKU CASES LOGISTICS SKU CASES LOGISTICS SKU CASES LOGISTICS SKU CASES



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.



LOGISTICS SKU CASES LOGISTICS SKU CASES LOGISTICS SKU CASES LOGISTICS SKU CASES

The AmbaFlex Guide is published annually by AmbaFlex International b.v. The latest version of the guide can be requested at marketing@ambaflex.com.

The information provided within this Guide is designed to provide helpful information on the subjects discussed. While we try to keep the information up-to-date and correct, there are no representations or warranties, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related pictures contained in this Guide for any purpose. Any use of this information is at your own risk. No part of this guide may be reproduced or transmitted in any form or by any means including photocopying without permission from the author.

Illustrations shown are indicative. Illustrations can differ in details from those supplied. Illustrations may also show options that are not in the scope of supply unless specified in the quotation/ order. All dimensions specified in this document are meant to be 'design' dimensions. For the 'as build' dimensions, larger functional tolerances should be considered.

Products marked as "patent pending" or "patented" are protected by intellectual property rights on one or more essential details. The IP-rights are granted or licensed by or to AmbaFlex International b.v. or its associated group companies. The (respective) rights are granted in only a limited number of countries. For a complete list of patents pending and patents granted, and the countries for which this is applicable, we refer to www.ambaflex.com. For the latest overview of the IP-rights, we refer to espacenet.com or to the respective national register.

Copyright © 2021 AmbaFlex International b.v.