

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 SHIPPING CASES





LOGISTICS SHIPPING CASES



Warehousing and order picking systems are constantly being developed to become ever more efficient. This is because of an increase in the number of SKU's and the variety of their sizes, coupled with a growing number of customers that demand even shorter delivery times and 365 days a year service.

Automated high bay storage solutions and multi-level pick stations have one thing in common; the products need to be delivered at workstations, sorters or docking doors quickly and within the given space constraints.

Connecting different stages in distribution, such as storage picking, sorting, packing and commissioning requires unique solutions that add value to the whole process.

In some cases, products are just one type of plastic container whereas another time they can be a variety of products including cartons. A demanding task but one which AmbaFlex provides numerous solutions for.

Video





Elevation

When cases have to be conveyed from one distribution process to the other, their paths traditionally obstruct employee or forklift passages. But cleverly using the 3rd dimension by applying spirals is gaining in popularity because of the continuous movement and high speeds it offers. Furthermore, no obstructions and no extra controls make lines reliable and efficient. In combination with the J-configuration, the spirals can be stacked to infinite heights, giving a lot of freedom to the layout of multi-story DC's.



LOGISTICS SHIPPING CASES LOGISTICS SHIPPING CASES LOGISTICS SHIPPING CASES



Shuttle feeding and retrieving

Shuttle systems are among the fastest storage and retrieval systems. Their bottleneck is the vertical connection between the storage layers and floor level. A clever arrangement of multi-level merge spirals to take the retrieved cases down, and multi-level divert spirals to deliver inbound or returning cases back to the layers, will enhance the efficiency of the shuttle system exponentially. AmbaFlex Clever Design Solutions are available especially for such shuttle connections offering easy case traceability and extremely high throughput over high elevations.



Connecting picking modules

Picking modules for pick-to-case systems can stretch over many floor levels. These levels need a smart way to connect in order to bring the cases with picked items down or inbound products and empty cases back up.

If consolidation is required, a smart design solution will let the totes flow through each level allowing it to add items on the go.

For higher speeds, this can be done selectively, or with a one-way system that could be designed to let all cases go down and be commissioned on the floor level.



LOGISTICS SHIPPING CASES LOGISTICS SHIPPING CASES LOGISTICS SHIPPING CASES

PreDefined Configurations

AmbaFlex as inventor of the spiral conveyor, and with over 25,000 machines in the market, is by far the most experienced party.

These experiences are boiled down into market and application-specific PreDefined Configurations that exactly suit to our customers' needs.

- **PackLift**
- **PackLift Lean**
- **AccuPack**
- **CartonLift**
- **BottleLift**
- **Container MassflowLift ND**
- **Container MassflowLift HD**
- **CartonBrickLift**
- **ContainerpackLift**
- **BottleCrateLift**
- **ParcelLift**
- **LogiLift**
- **ToteLift**
- **BaggageLift**
- **CoolingTower**

DISTINCTIVE FEATURES



TRIPLE-*E* TECHNOLOGY



SLIM LINE DESIGN



SUPER GRIP SPIRAL BELT



ENDLESS STAINLESS GUIDE PLATE



TIP SUPPORT



ULTRA FLAT, HIGH FRICTION



COMPACT TRANSFER



CR COATING



MULTI CHAIN OPTION



ONE MINUTE MAINTENANCE



NO FLICK



MULTI TRACK OPTION



CONTINUOUS FLOW



GLASS CONTAMINATION PACKAGE



INTEGRATED SIDE GUIDE

DISTINCTIVE FEATURES



NON-TOUCHING



ONE BELT SYSTEM



COOL & CONNECT



INTERLOCKING BELT SURFACE



TIP GUIDING



FLAT TRACK



CR CHAIN



STAINLESS STEEL CHAIN



BANKING



LINE CONTACT



STACKABLE CONFIGURATION



UNIFORM SPAREPARTS



CLEANABILITY



DEBRIS-HANDLING

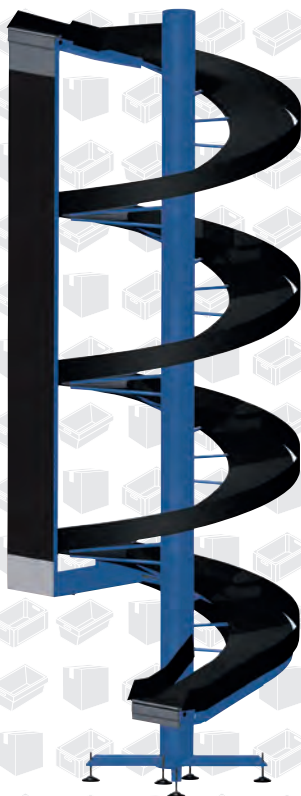


PRODUCT-GUIDING



SPIRALVEYOR LOGILIFT

For warehousing and distribution



THE LOGILIFT CONFIGURATION

The SpiralVeyor LogiLift is a special configuration of a spiral conveyor used in distribution centres. The transportation of shipping cartons and plastic (bin) containers needs to be carried out economically and efficiently. The LogiLift is used for transportation around the loading dock, in (multi-level) order picking modules, around sorting systems, and in goods to man solutions. The SpiralVeyor programme is wide and contains conveyors tailored to every application.

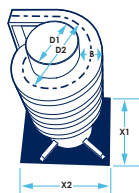
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES

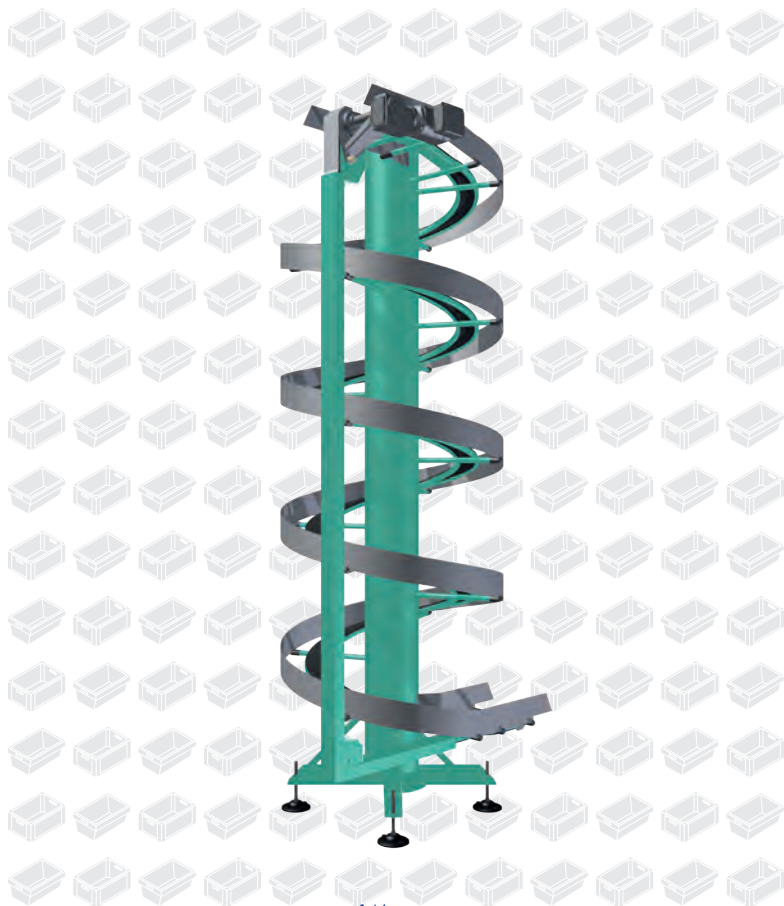


Description	SV400-1300	SV500-1300	SV600-1600
Belt Width (B)	400 mm	500 mm	600 mm
Column Width (D1)	324 mm	324 mm	324 mm
Centreline Diameter (D2)	1300 mm	1300 mm	1600 mm
Footprint (X1/X2)	1740x1740 mm	1840x1870 mm	2240x2240 mm



SPIRALVEYOR TOTELIFT

For logistic cases with repeating form factors



THE TOTELIFT CONFIGURATION

The SpiralVeyor Totelift is a special configuration of a spiral conveyor used in distribution centres. The transportation of plastic (bin) containers needs to be carried out economically and efficiently. The Totelift is used for transportation around the loading dock, in (multi-level) order picking modules, around sorting systems, and in goods to man solutions. The SpiralVeyor programme is wide and contains conveyors tailored to every application.

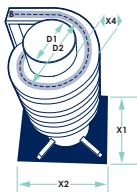
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES



Description

SVo-400-900

Nominal Clear Width (X4)	400 mm
Track Width (B)	100 mm
Column Width (D1)	324 mm
Centreline Diameter (D2)	900 mm
Footprint (X1/X2)	1410x1340 mm

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.