

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

LIQUID CONTAINER PACKING





LIQUID CONTAINER PACKING



One of the most demanding secondary product flows is bottle packs. High speeds, high loads, multiple rows and new eco-packs make these lines a challenge for most elevator suppliers.

But not for AmbaFlex. The high loads can be comfortably dealt with thanks to the Triple-*E* belt guide. This true rolling friction technology reduces driving power to a minimum, allowing extreme elevations and high loads while consuming the least amount of energy.

It's not just the internal technology, but also the extended range of products and configuration that exactly matches the market's needs and makes AmbaFlex the preferred choice. In fact, even back in the nineties, AmbaFlex was already THE solution for shrink packs, crates, and trays of liquid containers.

For multi-row handling, AmbaFlex was the first company to invent and implement the multi-track, dual lanes or even triple lane spirals, allowing multiple independent flows of items to run parallel between packer and palletizer. This system is now also available with the SpiralVeyor S*Ve*. The "e" stands for extended belt width which allows even wider multi flows in different configurations.

Video





Elevation bottle packs

Elevating many meters up to multiple stories is now common in applications. To achieve this, the predefined SpiralVeyor for bottle pack handling "BottlePackLift" is fitted with full friction slats as standard. That means that there is a layer of exceptional quality friction on each of the slats and, most importantly, covering the full belt width which is unequalled in the market. Loads of 50 kg/m or even more are possible at speeds exceeding 7,000 packs per hour.



LIQUID CONTAINER PACKING LIQUID CONTAINER PACKING LIQUID CONTAINER PACKING



Elevation multi-row bottle packs

The Elevation of multi-row bottle packs is the Formula-1 of spiral elevation. To overcome the challenges that come with this type of application a special kind of SpiralVeyor configuration is available. It's essential that the packs do not move from their place or

lose orientation before arriving at the palletizer.

With the continuous variations in flowing pack sizes, special features are needed, such as a compact transfer roller, full-width belt support to avoid unstable packs leaning over and to prevent relative movements in the belt.

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 CONTAINERPACKLIFT

For end of line high speed liquid container elevation



THE CONTAINERPACKLIFT CONFIGURATION

The SpiralVeyor ContainerPackLift is a special configuration of a spiral conveyor used on a secondary packing line. The SpiralVeyor programme is wide and contains conveyors tailored to every application.

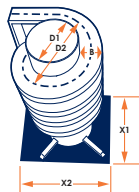
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES

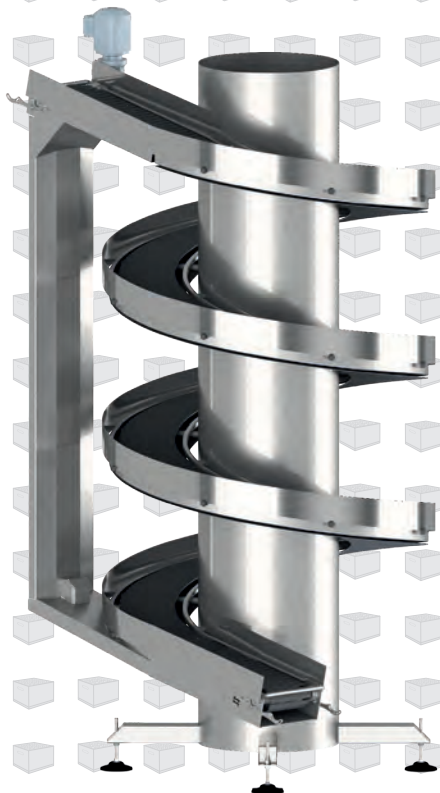


Description	SV300-900	SV400-1300	SV500-1300	SV600-1600
Belt Width (B)	300 mm	400 mm	500 mm	600 mm
Colom Width (D1)	324 mm	324 mm	324 mm	324 mm
Centerline Diameter (D2)	900 mm	1300 mm	1300 mm	1600 mm
Footprint (X1/X2) mm	1240x1290	1740x1740	1840x1870	2240x2240



SPIRAL V EYOR BOTTLE CRATE LIFT

Safe & continuous elevation of crates filled and empty



THE BOTTLECRATELIFT CONFIGURATION

The SpiralVeyor BottleCrateLift is a special configuration of a spiral conveyor used everywhere in returnable glass filling lines to bring empty or filled crates up or down to the requested level. This PreDefined Configuration contains special features to handle dirt and cleaned crates.

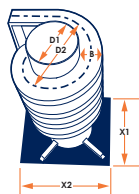
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES



Description

Belt Width (B)

Colom Width (D1)

Centerline Diameter (D2)

Footprint (X1/X2)

SV300-900

300 mm

324 mm

900 mm

1240x1290 mm

SV400-1300

400 mm

324 mm

1300 mm

1740x1740mm

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

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