

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



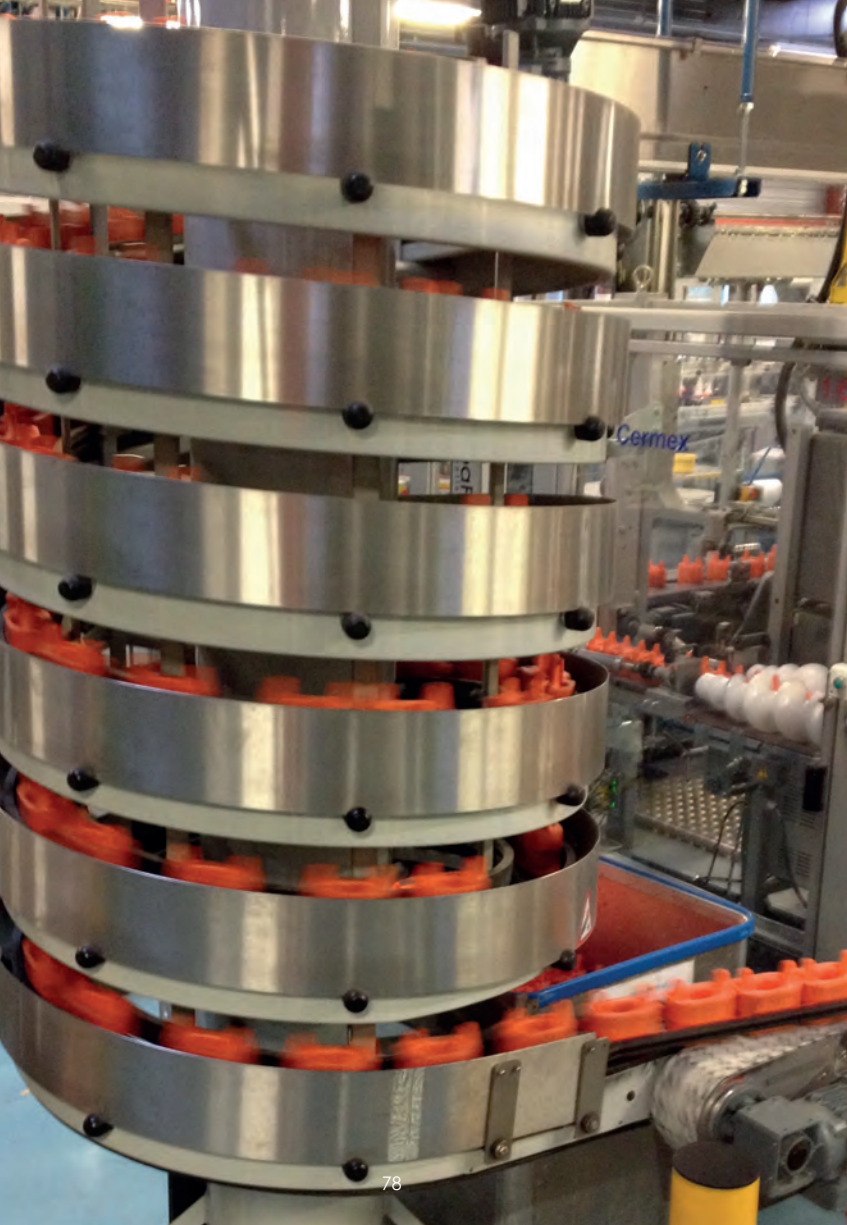
BAGGAGE HANDLING



PRINT FINISHING

FILLING SINGLE FILE





FILLING SINGLE FILE



Liquid containers are usually transported single file, especially in applications such as winemaking, dairy, distilled, sports drinks and sodas. These containers are made from carton packs, PET, HDPE or glass. The shape can be cylindrical, rectangular, reverse tapered or irregularly curved.

Preventing mass flow is a trend, as it requires a great deal of space in re-single lining of the flow. It is also the preferred method if the right handling solutions are available. Many single file flows remain on ground level. Height differences require long lengths due to instability, but usually there is no floor space available for this.

Instability or sensitive handling also requires special options, but good solutions for elevation, accumulation or buffering have not been available in the past.

AmbaFlex enjoys taking on special challenges such as belt lubrication, glass breakage and hot filling. We offer an extensive range of elevator and accumulation solutions.

Video





Elevation

The SVs-Series is known to be the most compact solution available, even when compared to wedge conveyors. The fact that it does not need a long infeed or fencing keeps the footprint to a minimum. But most importantly, there is no need to change machine settings for each separate product; the SVs spiral handles all sizes. The belt elements can be fitted with a unique super flat, high friction material. This allows higher inclines for stable products, keeping the machines' diameter to a minimum, even with tall products.



FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE



Portal

The portal solution, patented by AmbaFlex, creating free passage for people and products. This means improved access for i.e. forklifts or for allowing operators to intervene on multiple lines. The old-fashioned 'climb-over' solutions are unsafe and can cause contamination. In the Portal-ONE version, the conveyor runs continuously without any transitions. With sensitive and fast transportation of liquid containers, it is important to prevent transitions as much as possible, especially when they are elevated. The Portal-ONE has no transitions at all, is reliable and simple.



Time delay

AmbaFlex offers multiple solutions to cool, cure or store liquid containers inline. Among other solutions, the AccuVeyor AVs is the most well-known. It can buffer/delay containers for many minutes inline while occupying very little floor space. For example, a 100m of belt-length only needs a 1.5m meter diameter machine. It consists of one continuous belt spiraling up and down, nested into each other, creating double the amount of time-delay a normal spiral would. The patented double co-axial spiral configuration is a creative solution and proves our ability to find innovative answers for demanding customers.



FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE



Offline Accumulation

Packaging or processing equipment can be susceptible to stops when dealing with conditioned air, welding or heated processes. Those applications need to run the upstream process without products to avoid product damage or loss. AmbaFlex offers different, clever designed solutions for offline accumulation that are tailored to suit the product, functionality, and environment.

From just a few metres of accumulation length up to many hundreds of metres to store huge production volumes.



Dynamic accumulation

FiFo inline accumulation at high speeds is an art; an art AmbaFlex has mastered for many years. The AccuVeyor AVh series of dynamic accumulators serves the top end of the market. Most unstable products can be handled up to 200% of the speed when compared to any other solution.

This compact machine, fitted with the proven and patented Triple-E spiral conveyor belt, offers much smoother transportation and needs less maintenance.

With up to 110 metres of accumulation length and speeds of up to 35,000 units per hour, it is the clear market leader.



FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE FILLING SINGLE FILE

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 BOTTLELIFT

Enabling 3-dimensional liquid container flow



THE BOTTELIFT CONFIGURATION

The SpiralVeyor BottleLift is a specially configured spiral conveyor that is used to elevate or store flows of Liquid Container items of all kinds. The SpiralVeyor programme is very extensive and features conveyors that are tailored to every application.

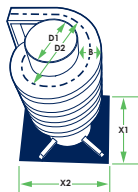
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES



Description	Compact 100	Compact 140	Medium 100	Medium 140
Dimensions	SVs100-850	SVs140-900	SVs100-1600	SVs140-1560
Belt Width (B)	100 mm	140 mm	100 mm	140 mm
Column Width (D1)	324 mm	324 mm	324 mm	324 mm
Centreline Diamtr. (D2)	850 mm	900 mm	1600 mm	1560 mm
Footprint (X1/X2) mm	990x990	1080x1130	1740x1740	1740x1740



SPIRALVEYOR CARTONBRICKLIFT

Safe & continuous elevation of liquid cartons
in nearly any shape or size



THE CARTONBRICKLIFT CONFIGURATION

Increasing speeds and challenging changes of formats and shapes require lines for liquids to become ever-more flexible and faster. Additionally, with these kinds of products, it's essential to avoid contact and pressure as much as possible as this can cause damage or have other types of unwanted effects like loss of straws. Another major aspect in these types of lines is that the machines need to be able to withstand the corrosion effects of wash-downs with detergents.

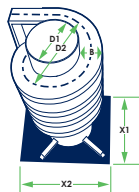
PRODUCTS



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Footprint (X1/X2) mm	990x2390	1080x2390	1740x2390	1740x2390*

**) footprint including extended upper- and lower end due to standardized side transfer length. Depending on product and speed the upper- and lower end will be subject to change. Final drawings upon request.*

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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