

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 MASS FLOW





FILLING MASS FLOW



Handling the mass flow of bottles and cans presents some well-known challenges in filling line layouts.

Mass flow accumulation tables and single liners take up a lot of space and can become problematic when operators need to move efficiently along multiple filling, labeling and packing stations.

Making use of the 3rd dimension, or using multiple stories in a mass fill line, has been impossible for a very long time. Even lowering empty cans or bottles down from a depalletizer presented a difficult challenge.

However, AmbaFlex's development of the first spiral conveyor that was able to handle mass flow products opened up many new possibilities in the efficient use of space in liquid container handling.

Video





Elevation Heavy Duty

The AmbaFlex SpiralVeyor SVM is specifically designed to handle products in mass flow. The multiple tracks that make up the belt of the conveyor ensure that the pull forces, and with that the capacity, can be triple or even quadruple that of non-specialized spiral conveyors. The belt surface, which consists of ultra-flat slats, can be fitted with full-cover friction material. This allows even the most unstable PET bottle to be handled with ease. Specially designed options like the glass contamination configuration, differential track speeds, and special guides are used to tailor the spiral conveyor to the specific application.

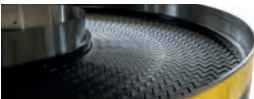


FILLING MASS FLOW FILLING MASS FLOW FILLING MASS FLOW FILLING MASS FLOW



Elevation

This SpiralVeyor SVM is a specially configured spiral used to transport lightweight bottles or cans downwards. With a new and unique belt, it can quickly de-elevate products while maintaining a smooth product journey throughout the machine. Resulting in a minimum of product movement, keeping your products in perfect condition.





Accumulation

The accumulation of mass flow products used to require more space than generally available, regardless if this was for synchronizing speed differences in a line or emptying critical upstream processes like a pasteurizer. Only a spiral conveyor can handle such extreme loads and accumulate on a small footprint.

Accumulators of up to ten's thousands of containers are frequently installed as single FILO or double FILO accumulation towers.



FILLING MASS FLOW FILLING MASS FLOW FILLING MASS FLOW FILLING MASS FLOW



Portal Accessibility

The growing demand for line efficiency requires smart solutions. An important part of achieving this efficiency is being able to reach various machines in the line.

Often, this means creating actual passageways, as traditional bottling lines can turn into a real 'spaghetti' tangle of conveyors, limiting access to machines. This means either having a high number of operators or a lot of downtime. The patented AmbaFlex Portal is the solution to this problem. It transports the flow of products over a passageway without adding a single transition.

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**

(normal duty)

CONTAINER MASSFLOWLIFT ND

Mass flow transport of glass containers,
glass/pet bottles and cans



CONTAINER MASSFLOWLIFT ND

The SpiralVeyor MassFlowLift ND is a specially configured spiral conveyor that is used to bring containers such as bottles and cans to the desired level of the filling and packaging line. Thanks to its single-lane structure, the SpiralVeyor MassFlowLift ND is able to cope with particularly normal requirements and loads to overcome heights. This predefined configuration contains all functions for a pressure-less product handling with hardly any product movements in order to avoid the risk of product damage.

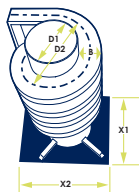
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES



	compact	compact	medium
Description	SVm200	SVm400	SVm400
Belt Width (B)	200 mm	400 mm	400 mm
Column Width (D1)	760 mm	760 mm	760 mm
Centreline Diameter (D2)	2000 mm	1800 mm	2500 mm
Footprint (X1 / X2)	2240x2240 mm	2240x2240 mm	2940x2940 mm

**SPIRALVEYOR**

(heavy duty)

CONTAINER MASSFLOWLIFT HD

Mass flow transport of glass containers,
glass/pet bottles and cans



CONTAINER MASSFLOWLIFT HD

The SpiralVeyor MassFlowLift HD is a specially configured spiral conveyor that is used to bring containers such as bottles and cans to the desired level of the filling and packaging line.

Thanks to its multi-lane structure, the SpiralVeyor MassFlowLift HD is able to cope with particularly high requirements such as extreme loads or extreme height overcoming. This predefined configuration contains all functions for a pressure-less product handling with hardly any product movements in order to avoid the risk of product damage.

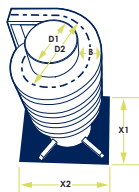
PRODUCTS



PREDEFINED SOLUTION



DISTINCTIVE FEATURES



Description	SVm200	SVm300	SVm400	SVm500
Belt Width (B)	200 mm	300 mm	400 mm	500 mm
Column Width (D1)	760 mm	760 mm	760 mm	760 mm
Centreline Diameter (D2)	2700 mm	2600 mm	2500 mm	2400 mm
Footprint (X1/X2) mm	2940x2940	2940x2940	2940x2940	2940x2940

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