

VAF

Value Added Feature

SPIRALVEYOR[®] ML-CONFIGURATION

For Multi-Level induction and diverting of your flow

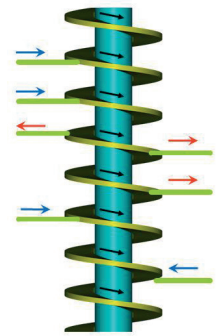
- **Multi-Level Spiral Elevator**
- **Spiral Merge**
- **Spiral Divert**
- **Vertical Sorter**
- **High Speed**
- **High Capacity**



SPIRALVEYOR® ML-CONFIGURATION

VAF

The SpiralVeyor® ML-configuration is a Multi-Level Spiral elevator. It offers greater flexibility when designing your lay-out in 3 dimensions. Products can be merged onto, or be diverted from, the SpiralVeyor on different levels. It has been proven to be a very effective solution, especially when combined with order pick modules and order release systems, as well as freeing up valuable floor space by merging/diverting above ground level. AmbaFlex invented the Multi-Level spiral conveyor in 2001 and has installed many of them for numerous clients since then. The inventive solution has been granted several patents.



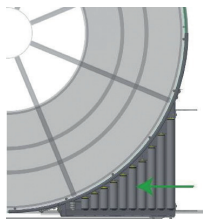
Set up: There are two possibilities:

- 1) SpiralVeyor prepared for Multi-Level, this means that the system integrator will add functional accessories.
- 2) SpiralVeyor configured as a Multi-Level, this means that AmbaFlex supplies the functional accessories i.e. merge or divert.

For a SpiralVeyor configured as a Multi-Level AmbaFlex offers several optional accessories. These are connecting bridges designed to cover the distance, which, when connected to a conventional belt or roller system, form an exact transition to the spiral. Several styles of diverts are available to suit the specific needs of the application. See the examples below.

AmbaFlex only supplies the hardware components; traffic control is to be provided by the system integrator.

Merge:

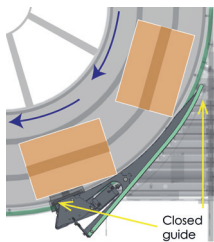


Deactivated

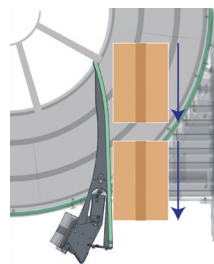
A connection bridge is pre-mounted to the SpiralVeyor, fits within the footprint and is adjusted according to the requirements of the application and product. Any conveyor can connect to the connection bridge.

Active

Divert:



Closed guide



The Swing arm is an example of a divert pre-mounted to the SpiralVeyor in combination with a connection bridge and fits within the footprint.

Configuration: The SpiralVeyor ML-configuration can be applied to all belt widths of the Spiral conveyor. The diverts and infeeds can be positioned in all directions between 90, and even 45 degrees positions, in respect to the windings.

Performance: We have experienced good long-term practical performances with speeds up to 60 m/min. e.g. 3000-4500 items per hour. Elevation of multiple stock levels is possible with just one spiral. For detailed information about the hardware, please see the SpiralVeyor SV-series Product data Sheet.

For more information about multi-level solutions, please ask for our extended Clever Designed Solution document.

AmbaFlex
SCIENCE IN SPIRALS

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LEADING SPIRAL CONVEYOR SOLUTIONS