



Inspiring technology!



Flexibility and a balanced product flow

TRANSVER SDI Depositing pullnose

Functions

The Transver SDI (SmartDistribution Downwards Indirect) has been developed to handle delicate products at high production speeds. The indirect feeding configuration enables high distribution speeds and adds flexibility to the food production. The distribution belt tilts downwards to separate a single row of products from the product flow onto the waiting belt. This product row is then transferred onto the cross feeding belt immediately after the preceding row has left, independent of the incoming product flow (indirect feeding configuration). To discharge the row, different options can be selected. Specifically designed to prevent product damage during the transport and distribution process, the system's tilting depositing function does not require any pushers or stoppers: the Transver SDI features a smart concept where rows are aligned by a short horizontal movement with the tip of the movable waiting belt.

Gentle depositing: the waiting belt gently deposits the products with horizontal movements onto the cross feeding belt. This perfectly suits the handling of sticky, delicate or fragile products.

High speed feeding: the waiting belt feeds the products onto the cross feeding belt at high speed without horizontal movements. This method is applicable for robust and stable products.

Combined depositing: Thanks to the servodrive technology of the Transver SDI station, the two options can also be combined: depending on the product, product rows can be partly deposited with a shorter horizontal movement resulting in a faster feeding onto the cross feeding belt.

Fields of application

For supersensitive, fragile, soft, sticky, friable, solid, semisolid or stable products such as

- Extruded bars, fruit bars, cereal bars
- Layer cakes, cup cakes, marshmallows
- Chocolate tablets, biscuits
- Pizzas, tortillas

Technical specification

- Waiting belt and cross feeding belt mounted on movable trolley
- Modular design
- Integrated electrical belt tracking control
- Belt scrapers
- Debris pans (trays)
- Locked security casing

Specifications

Performance	depending on product
Process performance	up to 120 rows/min
Row performance	up to 40 rows/min
Dimensions	
Length of station	2,500 mm
Width process belt	800/1,000/1,300/1,600 mm
Execution	
Base frame	stainless steel, sheet metal design
Power supply	3 phases, 380–480 V, 50/60 Hz, ca. 5 kVA
Belt specification	coated welded endless belt
Security	CE compliant
Guidelines	EG/FDA

Benefits

- High distribution rates
- Production flexibility
- Handling of double rows
- Handling of multiple rows in groups/batches
- Balanced product flow
- Fully automated format changes
- Minimized cleaning and maintenance effort
- Removable waiting belt and cross feeding belt
- Accessibility allows fast belt change

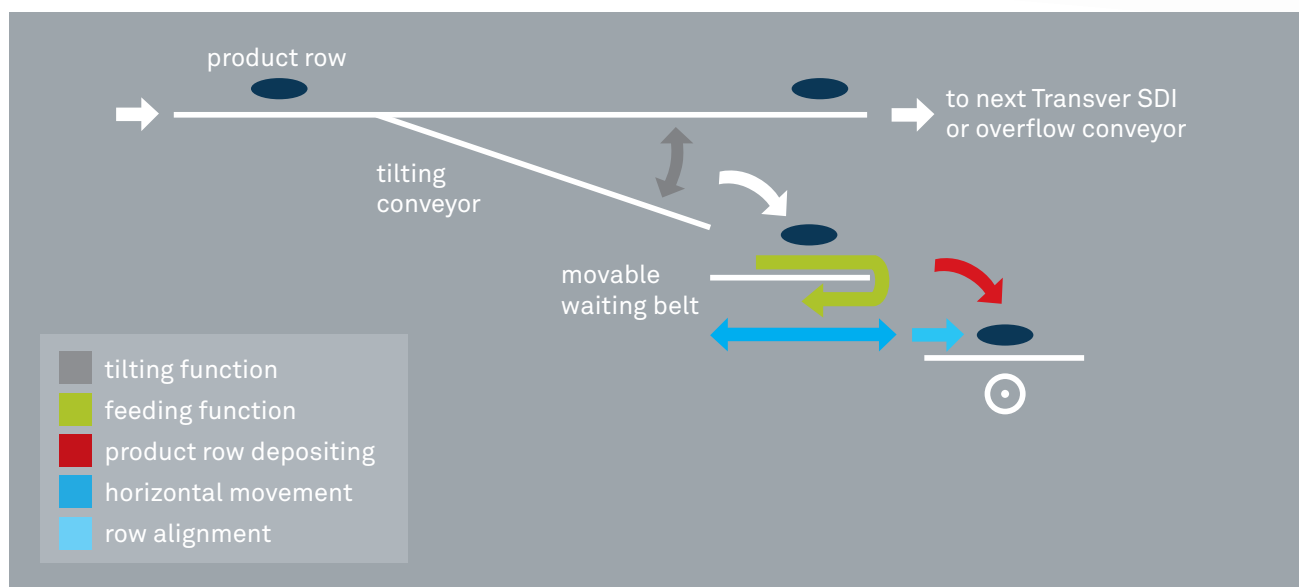
Options

- One or no gap closing belt conveyor
- End rollers $d = 10\text{ mm}$ (process belt)
- Head-of-line functionality such as
 - row processing
 - row alignment
 - metal detection
 - row discharging
- Refeed function (direct or indirect)
- Buffer belt conveyor
- Possibility of an integrated electrical cabinet (can be swiveled)

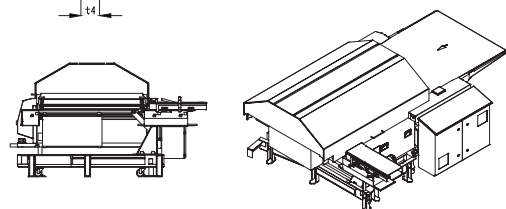
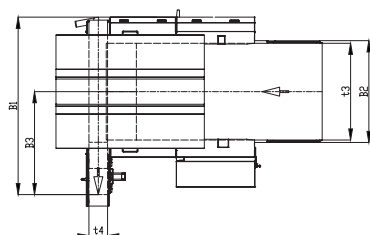
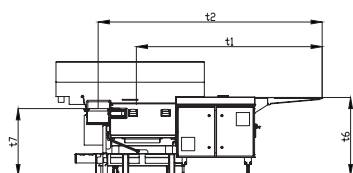
Other dimensions on request.



The waiting belt and cross feeding belt are mounted on a removable trolley that allows for high accessibility.



Dimensions



Product dimensions

Lengths 40 mm to 220 mm

Widths 20 mm to 250 mm

Heights 5 mm to 50 mm

Dimensions

t1	2,500 mm
t2	3,005 mm
t3	800/1,000/1,300/1,600 mm
t4	250 mm
t6	1,000/1,050 mm
t7	850/900 mm
B1	$t3 + 1,080\text{ mm}$
B2	$t3 + 62\text{ mm}$
B3	$t3/2 + 730\text{ mm}$