

WIDE BELT CONVEYOR

The conveyor for special conveyance requirements

Addition to ALTRATEC conveyor program for special conveyance requirements:

- Conveying parts on sensitive surfaces
- Conveying parts or parts carriers with complex geometries
- Preferably with synchronized operation

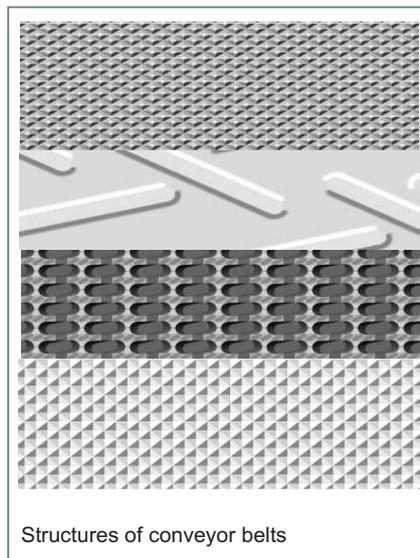


Transport media:	Cut-proof belt Transilon E8/2 U0/U2 green,
Conveying speeds:	up to max. 12 m/min
Workpiece dimensions for transport without WP carrier:	Width up to approx. 1400 mm
Workpiece weight:	up to max. 50 kg
Overall permissible load of conveyor:	up to max. 150 kg
Positioning accuracy with synchronized operation:	+/- 2 mm
Maximum conveyor dimensions:	L x W = 10 000 mm x 1 500 mm

The conveyed medium

The ALTRATEC wide belt conveyors are equipped as standard with cut-proof Transilon belt with a polyester surface.

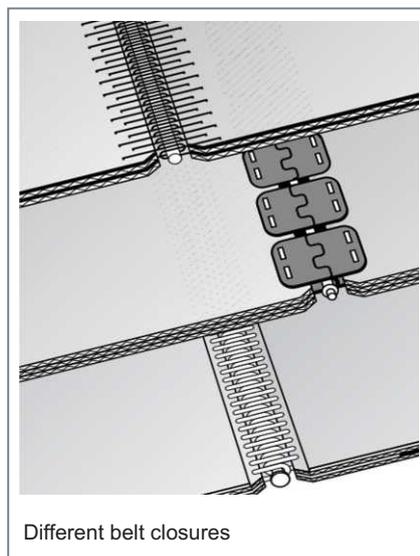
If necessary, it is also possible to use conveyor belts of a wide variety materials and with different textured surfaces.



Belt replacement

To ensure that the conveyor belts can be replaced quickly, they can be equipped with different closures.

When using a conveyor belt designed without ends, belt replacement is usually facilitated by means of a hinged frame system.



Conveyor structure

The support structure of the conveyors is based on ALTRATEC aluminium profile system. The drive and return drum are made of steel and can be customized to the customer's specifications for conveyor width and corresponding length. The drum diameter is 82mm.

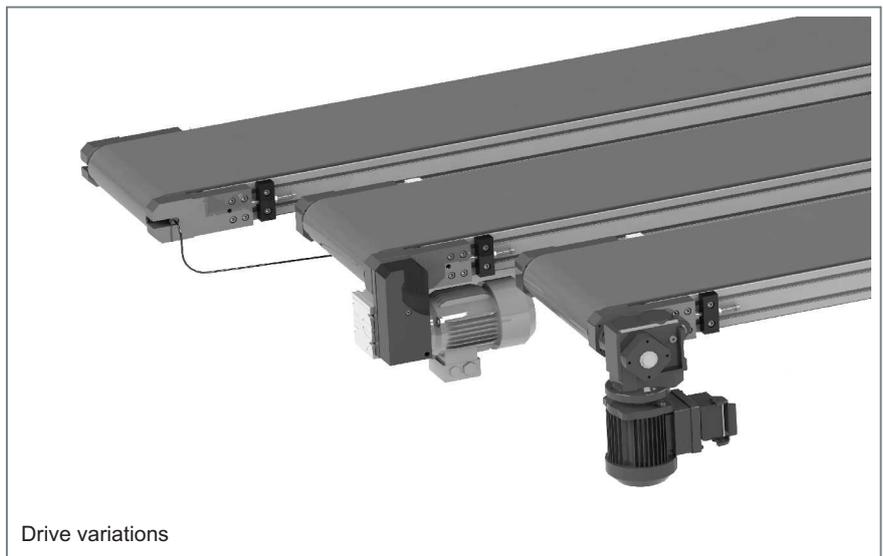
Rugged and durable

Two rugged housings are used to accommodate amply dimensioned, permanently lubricated self-aligning bearings for supporting the steel return drum.



Drive arrangement

The ALTRATEC wide belt conveyors can be driven either by drum motors and with three-phase geared motors. These can be installed directly under the conveyor as plug-in motors with torque supports or synchronous belt drive.



The supports

The support systems consisting of ALTRATEC aluminum profiles are characterized by ruggedness and great variability. They ensure a millimeter-precise and permanent alignment of our ALTRATEC conveyor systems.

Adjustable feet with steel or plastic disks can be adapted to all given floor conditions and are used for adjusting the conveyor systems.

Foundation mounting brackets guarantee stability during operation.



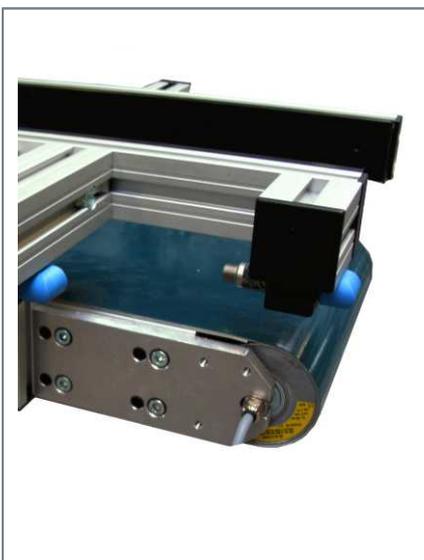
Examples

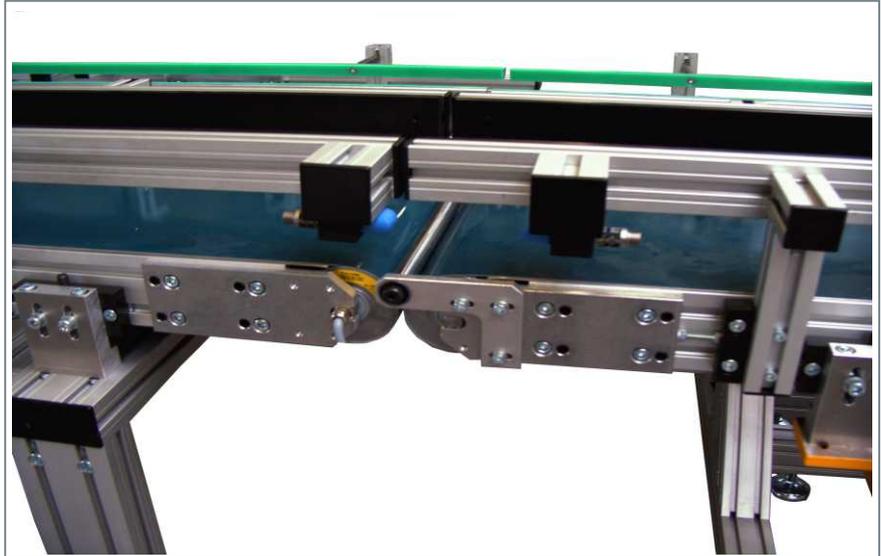
The combination with other ALTRATEC conveyors allows for fulfilling complex conveyor requirements.

If necessary, drip trays can also be integrated in the ALTRATEC profile support frames.

All danger zones existing between moving parts are safely covered at manual workstations.

The ALTRATEC conveyor systems can easily be extended at any time by adding workstation equipment based on consistent use of ALTRATEC aluminum profiles with a wide variety of existing profile accessories.





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