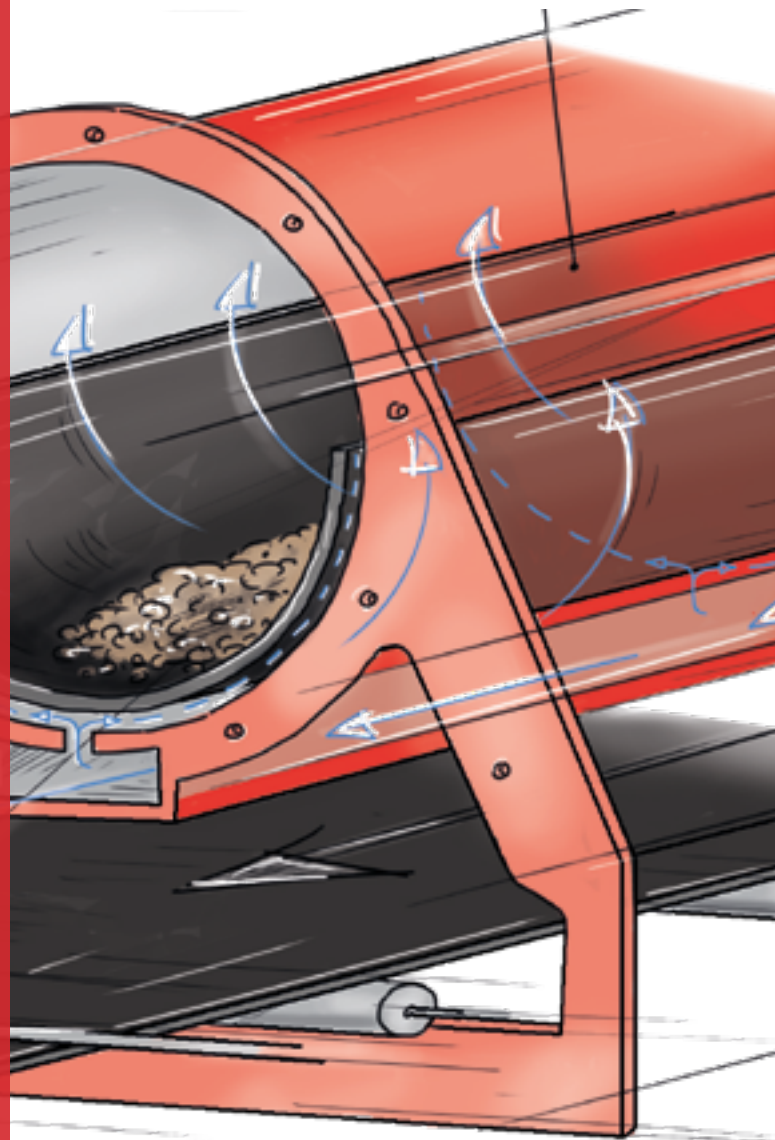
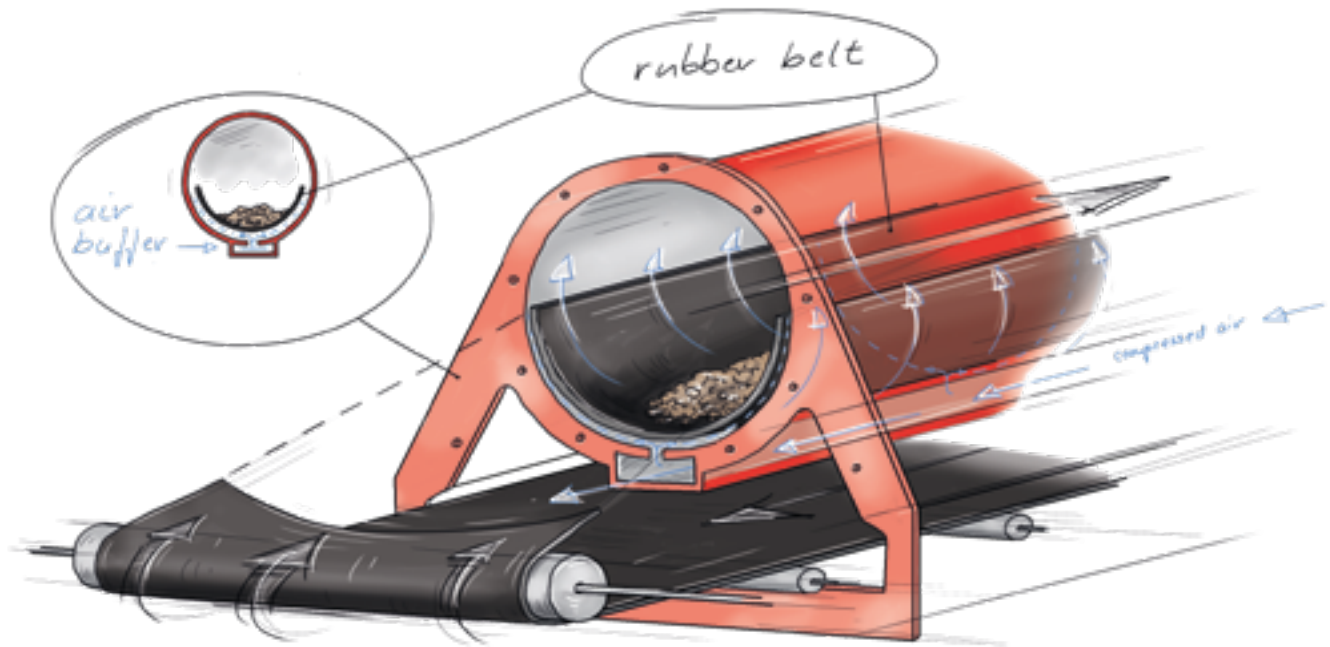


PipeCon®

CONVEYING | PRODUCT PRESENTATION



PipeCon®



Conveying materials with exact grain sizes

The PipeCon is a conveyor unit designed for transporting any kind of bulk materials over long distances. It has an extremely high conveying capacity (up to 500 t/h) and it ensures no gravel leakage. The supports can be up to 60 m apart, over a total length of more than 300 m. The belt guide uses an air buffer to nozzle air every 50 m. It is fed by a 2.2 kW fan that carries the belt. This improves the efficiency of the conveyor drastically, as it minimizes the wear and maintenance of the machine. A walkway can be attached directly, saving an additional supporting structure. All this makes it the most popular conveyor belt for the cement industry.

The conveyor is mounted with 12 m segments, that can be quickly assembled. A standard 40" container fits three of these segments (36 m). Our packaging system guarantees safe transportation and fast discharge. The tension station can be positioned flexibly, which makes the conveyor easy to integrate into any plant design. The conveyor has a double scraper system that prevents the uncontrolled fall of gravel or trickling material.

About us

Westeria is a German company from Westphalia with over 60 years of experience producing innovative machinery. Since 1956, our product portfolio has largely grown to provide high-quality machines, technical expertise and excellent service to our clients. We are constantly developing new recycling machines and conveyor systems for what is perhaps the biggest challenge of the present day: make the circular economy a valuable and profitable reality all over the world.

Key advantages

Dustproof

Thanks to its extremely reliable sealing system, there's no gravel leakage, making the conveyor optimal for outdoor plants.

Easy maintenance

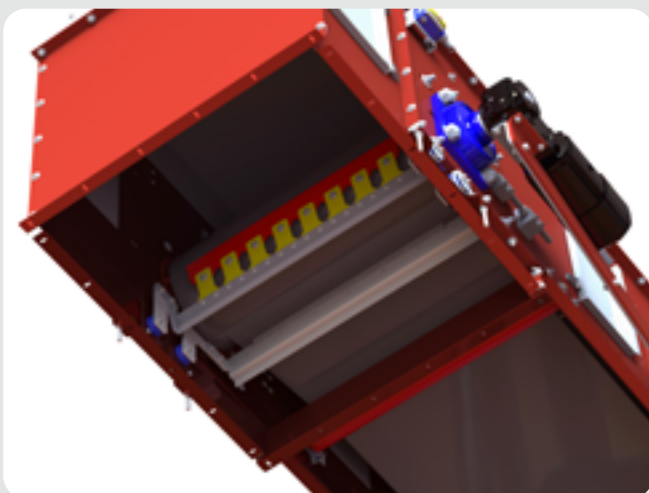
Minimal wear of the belt and rollers and easy access thanks to the removable side covers.

Highest efficiency

Low energy consumption, space-saving components and variable positioning of weight tensioning station and supports.

Integrable walkway

Access to all relevant areas is possible with the optional attached maintenance walkway. No additional expensive bridge construction is required. The walkway can also be retrofitted.



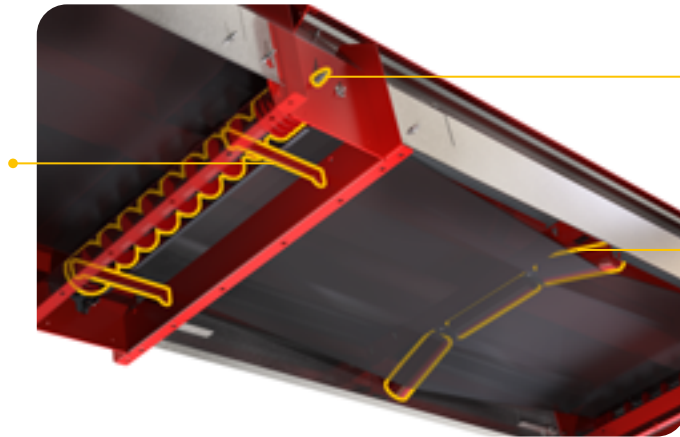
Conveying capacity
500 t/h
Conveying speed
Max. 4 m/s

Belt width
1000 mm
Length
Max. 300 m

Details

Return rollers

Additional cross bars protect the return rollers from falling down in case of a damage

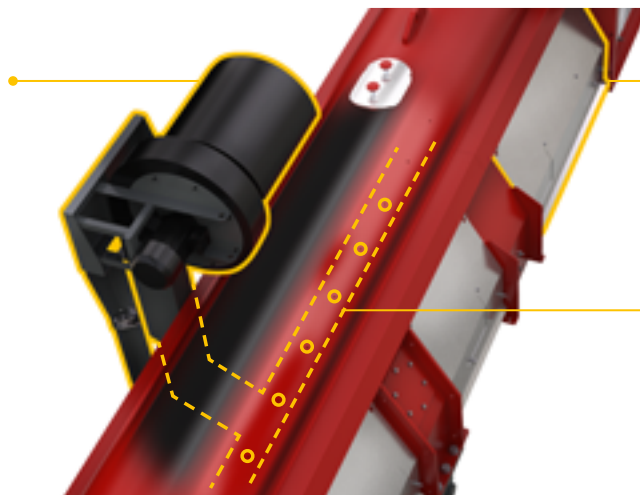


Return rollers can be changed from the one-sided walkway.

Optional belt roller station for a safe belt run (max. axis distance = 300 m)

Maintenance

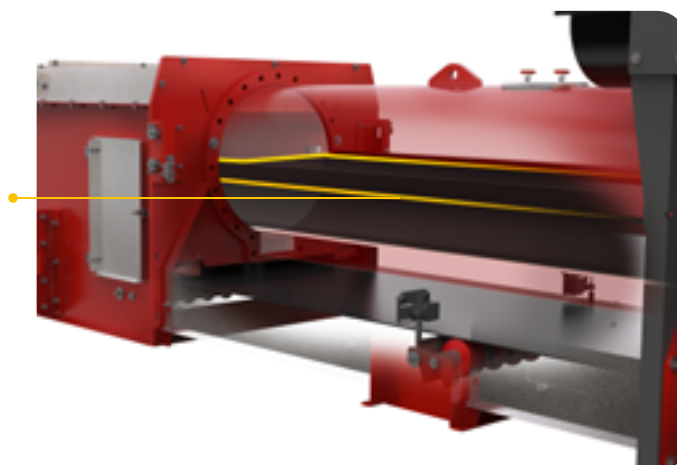
Efficient air support with 2.2 kW fan per conveyor line



Easy maintenance access by removable side covers

Aerodynamically optimised air pressure system ensures stable, contact-free belt tracking in all loading conditions

Low maintenance of the conveyor line, as there are only a few movable components in the whole system. Most maintenance, such as exchanging the return rollers, can be done from the one-sided walkway.



Technology Center

We will test the performance of your materials at our Technology Center and we give you assurance that you will achieve the same results with your application.

Application example

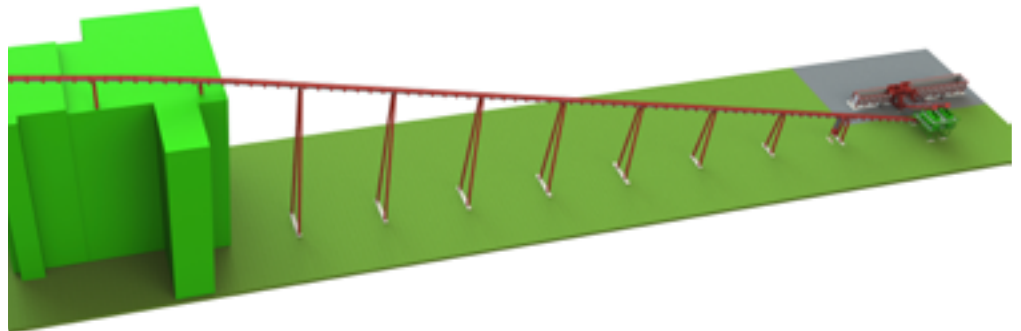
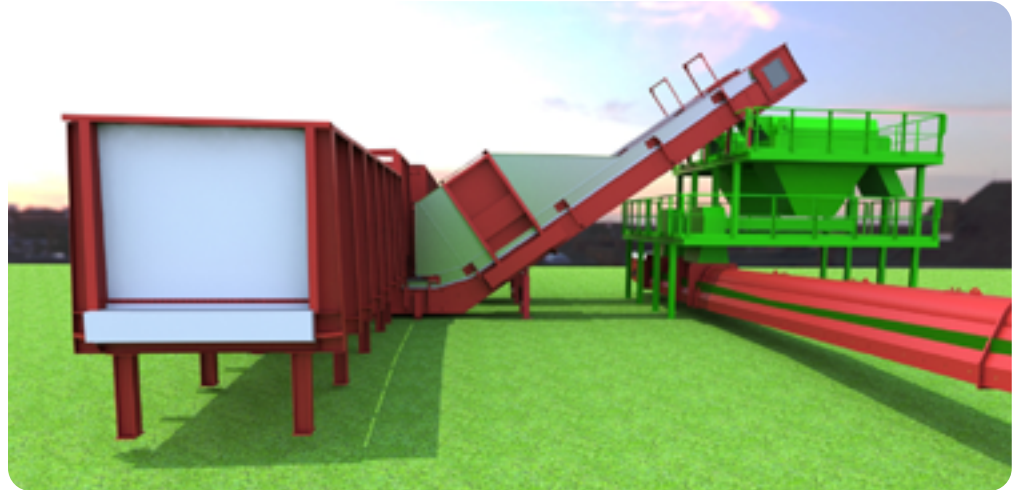
Feeding system for the cement industry

Our engineers have developed a feeding concept for the cement industry that can be flexibly assembled with Westeria's standard solutions.

A complete system consisting of a hopper (MovingFloor), chain belt conveyor (ChainCon) and the PipeCon provides a stable and uniform delivery of numerous input materials such as RDF, shredded tyres or shredded waste. Optionally, a sieve can also be integrated easily.

Other uses

- Wood industry
- Recycling plants



Technical information

PipeCon

Frame construction

Belt width
1000 mm
Diameter pipe
660 mm
Frame sections
11800 mm
Helix angle
up to 20°

Conveyors

Rubber conveyor belt
acc. to DIN 22102
Quality
Oil and grease resistant
/ MOR
Type
Antistatic
Belt width
1000 mm

Drum diameter

Drive station
400 mm
Tensioning station
320 mm

Fan performance

Fan
2.2 kW per 50 m
of conveyor line

Weight tensioning station

Variable positioning

Supports

PipeCon without walkway
27 m self-supported
length
PipeCon with walkway
21 m self-supported
length
Pylon support
Support height up to 60 m
A-Support
Support height up to 20 m

Maintenance access

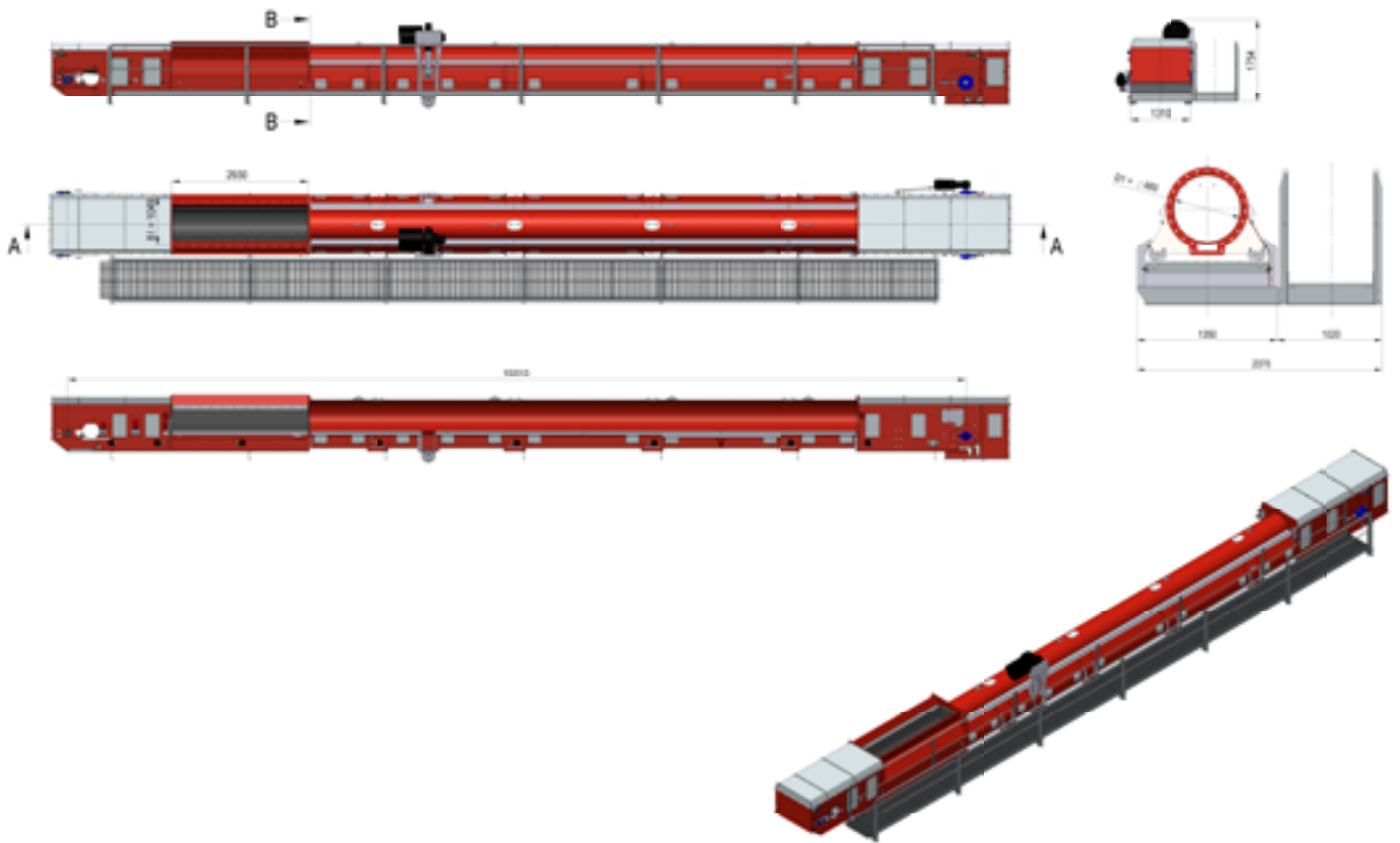
Removable covering
panels

One side walkway

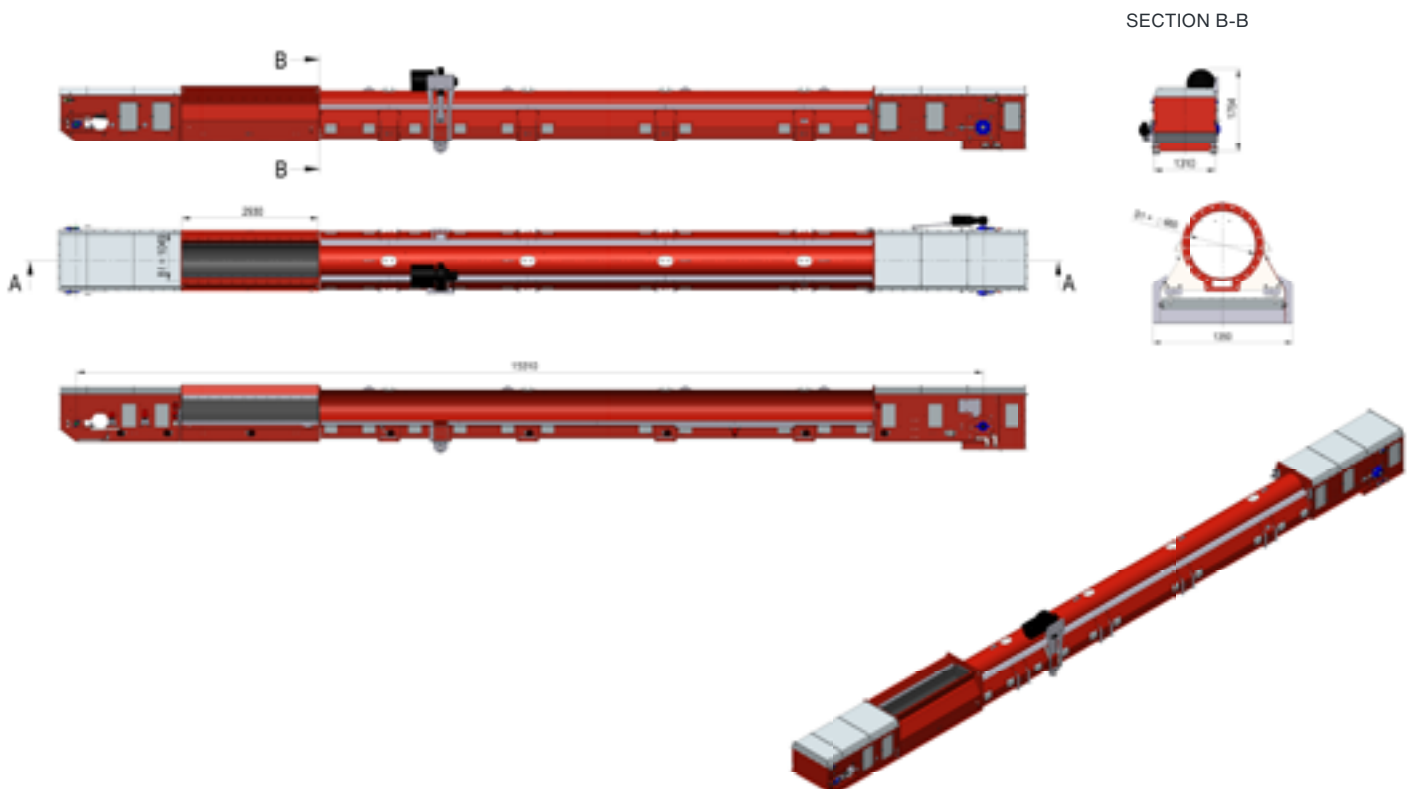
800 mm width
Design with gratings
Ferm screwing at
conveyor

| Model | Parameter | PipeCon with walkway | PipeCon without walkway |
|-------|--|----------------------|-------------------------|
| - | Belt width (mm) | 1000 | 1000 |
| - | Outer width with walkway (mm) | 2370 | 1350 |
| D1 | Pipe diameter | 660 | 660 |
| - | Total height with walkway | 1310 | 1200 |
| - | Support distance with walkway (self-supporting length) (m) | 21 | 27 |

PipeCon 1000 with walkway



PipeCon 1000 without walkway





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