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TEDO Conveyors

we make processes work

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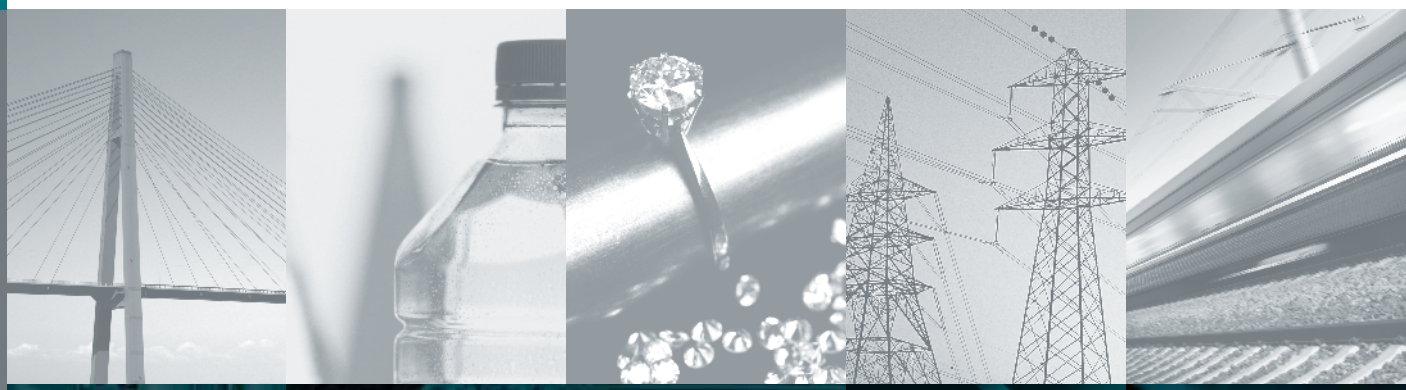
Schenck Process Group



Heavy

Cement, Gypsum, Sand & Gravel, Steel and NF Metals Industries

Light

Chemicals, Food, Pharmaceuticals and Plastics Industries

Mining

Mining Industries

Power

Coal-Fired Power Plants and Associated Industries

Transport Automation

Transport Automation Processes over Road, Rail and Port

Acting locally to support your needs Schenck Process is working where you are.

Schenck Process is the global market leader of solutions in measuring and process technologies in industrial weighing, feeding, screening and automation.

With an unrivalled global network of operating companies we are your competent global partner for weighing, feeding, screening and automation solutions throughout the process industries.

Key Figures 2008

» 2,200 employees worldwide

» Network of 27 Locations with multiple offices

» Over 130 territorial agencies

» Over 30 worldwide service bases offering customer-focussed support

» 16 state-of-the-art assembly facilities worldwide

» Revenue > EUR 390 million

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TEDO

History

In February 2009, Schenck Process took over the bulk material handling assets of TEDO Company s.r.o., based in the Czech Republic. This acquisition further strengthens the position of Schenck Process as a global supplier of solutions throughout the process industries.

Founded in 1993, TEDO has profound engineering competencies within the field of bulk material handling and serves a similar customer base to Schenck Process in the cement and power industries. TEDO's innovative range of tube conveyors, conveyors with U shaped rubber belts and vertical bucket conveyors compliments Schenck Process' existing range of bulk material handling applications and strengthens our position in the European market.

As a result of this acquisition, TEDO's highly experienced engineering and design team will be integrated into Schenck Process' Czech Republic organisation, Schenck Process s.r.o., located in Prague.

Industries

Power, coal, steel, cement, mineral, chemical, grain processing, brewing, flour/food, particle board, water treatment

Benefits

- Ecological, low-energy transport of dusty and unhealthy materials.
- Hanging conveyors for transport in existing plants with no space to accomodate a new concrete bottom.
- Retrofitting of existing conveyors to increase conveying capacity.
- Ecological and low-noise belt transport for long-distance conveying even near residential areas.

TEDO

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Tube Belt Conveyor

Working Principle

When material is loaded onto the conveying belt, the belt is open and the material is supplied in the same way as is the case with conventional belt conveyors.

Special devices close the belt carrying the conveyed material.

The belt forms a closed pipe over the entire conveying distance.

The belt opens automatically before the material discharge point is reached and the material is then discharged.

Benefits

- Easy to integrate in existing plants
- Suited for long distances and rough terrain as well as horizontal and vertical curves
- Conveyed material is protected against outside influences
- Environment is protected against potential loss of material

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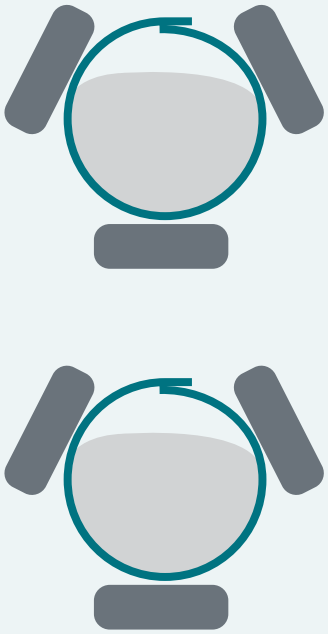
Tube Belt Conveyor



Conveying Options

Depending on the application and distance, the tube conveyor can be used for transport in one or two directions. During one-way transport, the belt is closed on the bottom side.

Alternatively, the tube can convey bulk material on the way back. In this case, the belt is turned at the back end so the product side is at the top.

Belt width (mm)	650	800	1000	1200	1400	1600	1800	2000
Diameter (mm)	180	215	270	325	380	435	491	545
Capacity (m^3/h)	46	69	116	175	245	328	424	529

(Capacity (m^3/h) at v=1 m/s, filling factor approx. 0,6)

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U Belt Conveyor

Working Principle

At the material inlet point the belt is open in the same way as is the case with conventional belt conveyors. A special roller configuration forms the belt to create a special U shape. Material is transported to the outlet in the U-shaped conveyor. A similar roller configuration to the one used for shaping the belt is used to open it.

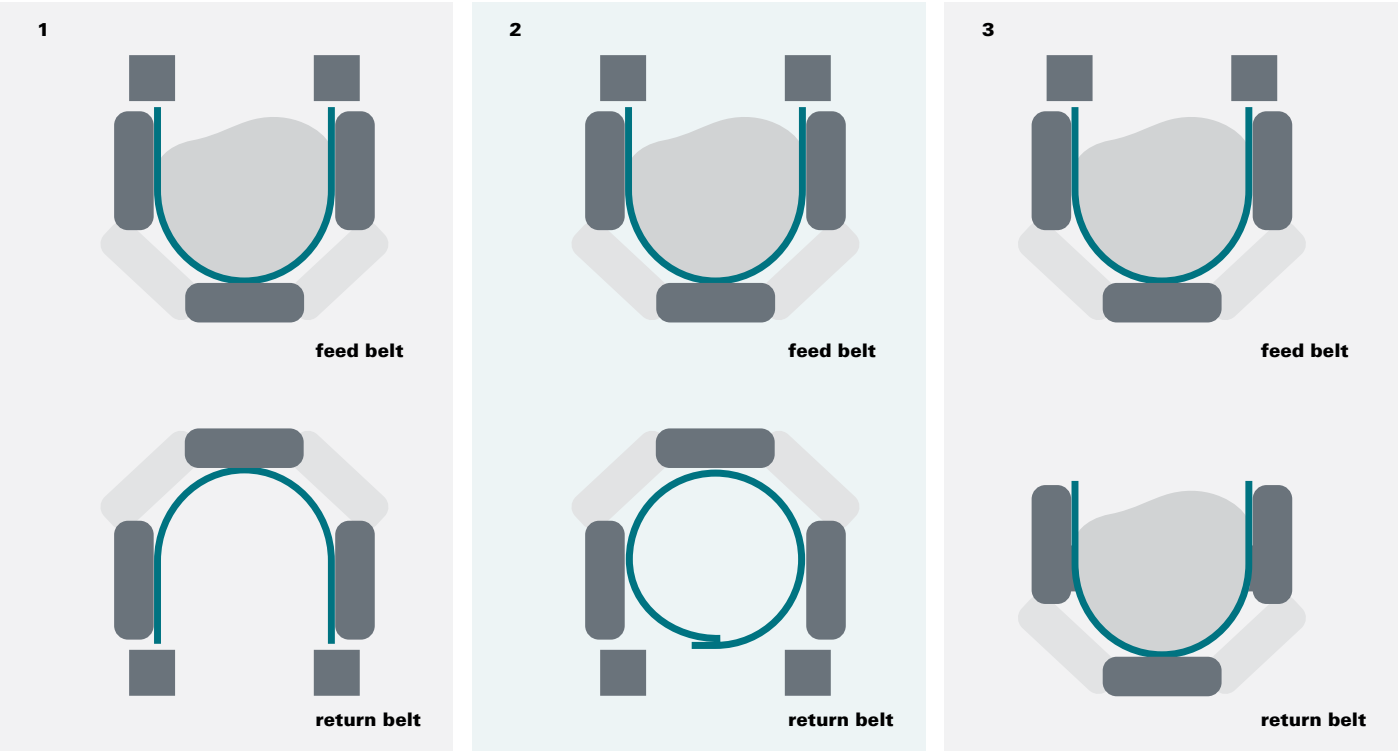
U belt conveyors have major advantages over tube conveyors, e.g. higher feed rates.

In other words, a narrower belt and a smaller design are used for the same feed rate.

Benefits

- Easy to integrate in existing plants
- Suited for long distances and rough terrain as well as horizontal and vertical curves
- Conveyed material is protected against outside influences (wind, rain, snow, etc.)
- Environment is protected against potential loss of material
- Lower costs and smaller design compared to tube belt conveyors
- Identical capacities as conventional belt conveyors
- Maximum length of the conveyor is the same as with a conventional belt conveyor

U Belt Conveyor



Conveying Options

Depending on the application and distance, the U conveyor can be used for transport in one or two directions.

1) Standard – one-way conveying
2) One-way conveying with a closed belt for spillage-free transport.
3) Two-way conveying. Example: Raw materials are unloaded from a ship, and the same conveyor is used to transport cement back to the ship.

Belt width (mm)	650	800	1000	1200	1400	1600	1800	2000
Capacity (m^3/h)	107	166	264	384	528	694	882	1094

(Capacity (m^3/h) at v=1 m/s)

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Corrugated Belt Conveyor

Working Principle

The material is fed onto the belt at the loading point. The conveyor is fitted with a pre-conveyor, or silo, which in combination with a weighing system determines the amount of material that is fed onto the corrugated belt conveyor.

At the outlet the material is discharged from the pockets thanks to its self-weight, centrifugal force and rapper pulley.

Benefits

- Easy to integrate in existing plants
- Vertical conveyance
- Minimal dust formation due to flexible conveyor configuration
- Flexibility allows for material discharge from the conveyor at the outlet
- Environmentally secure system: protects the material conveyed
- Material which falls from the downhill conveyor is lifted by a cleat and sent back to the uphill conveyor

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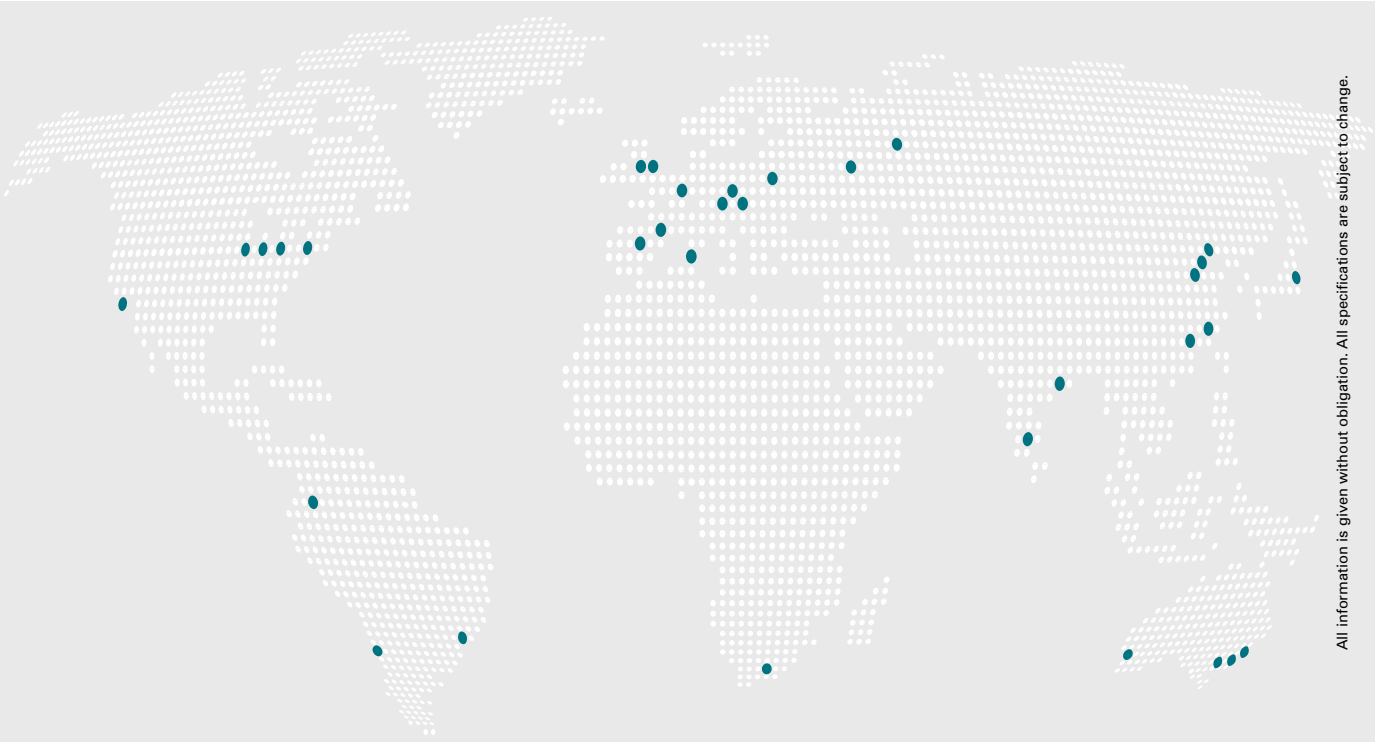

Schenck Process is the global market leader of solutions in measuring and process technologies in industrial weighing, feeding, screening and automation.

Schenck Process develops, manufactures and markets a full range of solutions, products and turnkey systems on the basis of combining process engineering expertise, reliable components and field-proven technology.

Schenck Process GmbH
Pallaswiesenstr. 100
64293 Darmstadt, Germany
T +49 61 51-15 31 29 53
heavy@schenckprocess.com
www.schenckprocess.com

we make processes work