

## BELT CONVEYORS BY LOIBL

Belt conveyors from Loibl impress with their modular and robust design. They convey bulk materials of all kinds over long distances, even through rough terrain. Thanks to optimized curve radii, variable incline angles, and large axis distances, different throughputs and high conveying capacities can be realized. The material is conveyed gently and with low wear.



### UNIVERSALLY OPERABLE

Trough belt conveyors can be used in almost all branches of industry. Depending on the process requirements, we design our belt conveyors to be stationary, reversible, movable, swiveling or telescopic.



### EASE OF USE & MAINTENANCE

Start-up warnings, pre-control stations, emergency stop, extinguishing devices, rope pull and misalignment switches can be selected as additional safety devices. Belt cover hoods, floor trays and belt scales can be installed. For the protection of the operating personnel, retractable and reach-in contactors are used which comply with the current and valid safety standards.



### VERSATILE BELT VERSIONS

Loibl uses a variety of smooth and customer requirements, Loibl uses a variety of smooth, profiled or cleated rubber, PVC or steel cord belts, which are cleaned with proven cleaning equipment. kept clean with proven cleaning equipment.



### SAFETY & DECLARATION OF CONFORMITY

Belt conveyors from Loibl comply with the current machine directives and associated relevant machine safety standards. Our conveyors receive a declaration of conformity including identification on the type plate. For projects in Great Britain, we can also issue a UKCA declaration of conformity.





### KEY FEATURES OF BELT CONVEYORS

- Operational Features: Stationary, mobile and transportable systems
- Frame material: mild steel, stainless steel
- Self-cleaning design: scrapers, brushes or belt turning devices serve as cleaning devices
- Process variability: Different belt qualities depending on process requirements
- Variable conveying speeds
- Low wear & low maintenance
- Reliable in operation
- Durable & sturdy

### BENEFITS OF OUR BELT CONVEYORS

- Economical due to low investment costs
- High conveying capacity over long conveying distances & with large axis distances
- Low wear, even with abrasive bulk materials
- Low-noise operation
- Design according to ATEX directives possible
- Suitable for use in hazardous zones
- Gentle product transport
- High mass flow rate
- Energy-saving



### CONVEYED MATERIAL

Dry to moist, fine-grained to coarse-grained as well as lumpy bulk materials of all kinds.

Long distances, large height differences and optimized radii are no problem for our versatile belt conveyors.



### TYPES OF LOIBL BELT CONVEYORS

- Troughing belt conveyor
- Flat belt conveyor
- Belt feeders, weighing belts
- LASHLOOPCON® - Closed loop conveyors
- LASHPIPECON® - Pipe conveyors
- Discharge belt conveyors
- Side wall conveyors



## CLOSED LOOP CONVEYORS BY LOIBL

The **LASHLOOPCON**<sup>®</sup> is a transport solution by Loibl designed as a closed system which is able to cope with narrow curves and inclines. This conveyor is up to 180° curve-negotiable and its distinguishing feature is the dust-tight and gentle material conveying.



### CURVE-NEGOTIABLE, INNOVATIVE, SELF-CLEANING

Thanks to its high flexibility the Loibl closed loop conveyor adapts perfectly to any environment. Its rubber loops are oil and grease resistant and held in carrying and support idlers. Product feeding mostly occurs via discharge vibratory feeders to convey a metered flow rate and to avoid that the closed belt is overloaded. In a feeding station the belt is opened at the top by a covered sheet metal insert with pipe and forms a U-shaped loop which immediately upon the feeding is joined and closed again. This allows gentle handling of the conveyed material up to the discharge point.

#### KEY FEATURES OF CLOSED LOOP CONVEYORS

- Conveying capacity: 5 - 500 m<sup>3</sup>/h
- Direction change up to 180°
- Belt width: 650 - 1,400 mm
- Max. grain size: 30 - 400 mm
- Incline gradients up to 35°
- Downwards conveying possible
- Avoiding transfer points
- Different belt sizes can be selected
- Easy to install
- Material temperature from -30 up to +100 °C

#### BENEFITS OF OUR CLOSED LOOP CONVEYORS

- Energy-efficient
- Curve-negotiable
- Space-saving
- High conveying capacity
- Gentle material handling
- Self-cleaning
- Environmentally friendly

**DESIGNED, ENGINEERED AND MANUFACTURED IN GERMANY.**

Scan the QR code to learn more about our belt conveyor systems.



#### CONVEYED MATERIAL FOR CLOSED LOOP CONVEYORS

- Ash
- Recycling materials
- Fuel peat, biomass, wood chips, waste wood, pellets
- Gypsum, kaolin, lime, clay, sand, stone, dry mix, cement, minerals
- Ore, foundry sand, metal concentrate
- Paper pulp, waste paper
- Residual products, raw materials
- Sugar, salt
- Chemicals, finished products (powder, granulate)
- Fossil fuels



**BELT CONVEYORS FROM LOIBL.  
VERSATILE AND STURDY.**

## PIPE CONVEYORS BY LOIBL

Pipe conveyors from Loibl transport the material on a tubular, closed belt. This dust-free mode of conveying is not only environmentally friendly, but also protects the conveyed material from external influences. Our LASHPIPECON® are perfectly suitable for horizontally ascending and inclined conveying lines and can be operated in both directions. Our pipe conveyors are equipped with all necessary monitoring features required.



## SPACE-SAVING & LOW MAINTENANCE

The core of the LASHPIPECON® consists of a special fabric or steel cord belt which is formed into a pipe by a hexagonal supporting roller assembly to allow a forward and reverse operation. In the take-up areas, the belt is flat running and led around the head rollers via support roller sets or guides. Where necessary, the operation of spillage conveyors, belt turning stations and special belt scales is possible.

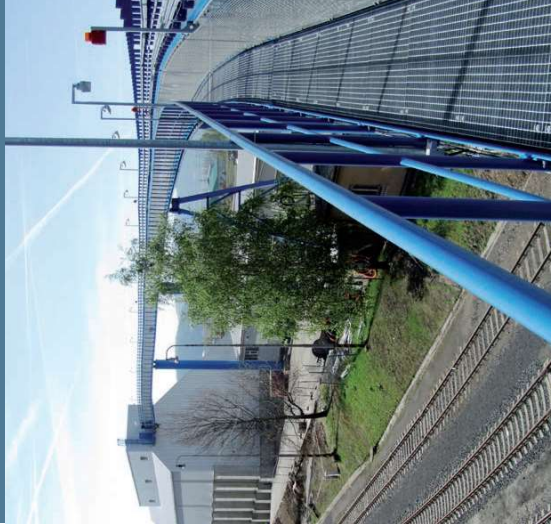
In addition, our pipe conveyors can be equipped with all the necessary monitoring options.

### KEY FEATURES OF PIPE CONVEYORS

- > Pipe belt diameter: 150 - 850 mm
- > Radii fabric belts 300 x diameter
- > Radii steel cord belts 600 x diameter
- > Lengths up to 8 km possible
- > Suitable for curves and all-terrain
- > Inclines up to 30° possible (product-dependent)
- > Downwards conveying and three-dimensional curves possible
- > Selectable inlet and outlet positions
- > Avoiding transfer points
- > Bidirectional conveying with simultaneous and different capacities and products possible

### BENEFITS OF OUR PIPE CONVEYORS

- > Low investment costs
- > Low space requirement
- > Suitable for terrain
- > Economical belt operation
- > Contamination by spillages is avoided, because the inside always remains the inside
- > Low noise conveying
- > High conveying capacity
- > Modular system with standard components
- > High level of availability and operational safety
- > Conveyed material is protected against external influences
- > Low maintenance



### CONVEYED MATERIAL FOR PIPE CONVEYORS

- > Ash
- > Slag
- > Recycling materials
- > Biomass, wood chips, waste wood, pellets
- > Gypsum, kaolin, lime, clay, sand, stone, dry mix, cement, minerals, mixtures
- > Waste paper, paper pulp
- > Residual products, raw materials
- > Sugar, salt
- > Chemicals, finished products (powder, granulate)

## SIDE WALL CONVEYORS BY LOIBL

Side wall conveyors are used for continuous conveying of bulk materials with different compositions. The main element is a flexible base belt with transversely stable fabric inserts, vulcanized corrugated edges and lateral nonprofiled edge area. This belt can be guided in a horizontal, inclined or vertical orientation, perfectly adapting to the specific conditions on site.



### MULTIFUNCTIONAL, HIGHLY FLEXIBLE, ECONOMICAL

One of the key features of side wall belt conveyors is the ability to transport material at any angle from 0° to 90°. All angles of inclination are possible within one conveyor circuit.

Additional cleaning scrapers can be installed under horizontal draw frames to convey trickle material back to the main material flow, back to the main material flow. For vertical corrugated edge conveyors, the discharge can be rotated up to 180° to the feed section, depending on the vertical height.

#### KEY FEATURES OF SIDE WALL CONVEYORS

- Conveying capacity up to 2,000 t/h
- Vertical conveying up to 500 m
- Inclination angles: 0° - 90°
- Rugged cross belt as basis
- Change in direction up to 180°, avoiding material transfer points
- Selectable add-ons: Antistatic, flame retardant, self-extinguishing, highly abrasion resistant, tiltable as well as oil and grease resistant belts
- Corrugations and pockets are available in different sizes and types

#### BENEFITS OF OUR SIDE WALL CONVEYORS

- Quiet operation
- Low investment costs
- Low space requirement
- High conveying capacity
- Low energy consumption
- Gentle material transport
- Highly flexible Low maintenance
- Application acc. to ATEX directives possible
- No dust emission with enclosed design

#### INTERNATIONAL CUSTOMER SERVICE

In addition to customized conveyor technology, we also take care of the inspection, maintenance and revision of your machines and systems.

- Revision service
- Modernization
- Preventive maintenance
- Spare parts service
- 24/7 emergency service
- Individual maintenance contracts
- Training & Education



#### CONVEYED MATERIAL FOR SIDE WALL CONVEYORS

- Fossil fuels
- Biomass, fuel peat, wood chips, pellets
- Substitute fuels
- Recycling materials
- Beet chips, sugar, salt
- Electrical and electronic scrap
- Ore, minerals, foundry sand
- Chemicals, finished products (powder, granules)





## BELT CONVEYORS BY LOIBL

Belt conveyors from Loibl are suitable for almost all industries and transport any type of bulk material. They are customized to the conditions on site and convey material over long conveying distances and large differences in height.

### AT A GLANCE

- Variable pitch angle
- Belt quality selectable
- Conveyor length across very long distances possible
- Conveying bulk materials with high temperatures
- Low investment costs
- Very flexible
- Large axis distances & high mass flows

**CONTACT US NOW**



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