

SCREW CONVEYORS BY LOIBL

Screw conveyors from Loibl can handle a wide range of bulk materials. Operations such as washing, screening, stirring, and mixing can be realized by our screw conveyors.

Loibl designs discharge and distribution screw conveyors for almost all industries and develops cooling screw conveyors that operate as heat exchangers for cooling.

VERSATILE, COMPACT, ZERO EMISSIONS

SCREW CONVEYOR

LASHSCREWCON® are designed with a diameter of up to 1,400 mm and a maximum length of 60 m, depending on the application. In addition to horizontal conveying, steep and vertical conveying is also possible.

The externally supported worm shaft consists of a hollow shaft with bearing journals on both sides and welded-on worm blades. The worm shaft is sealed to the outside at the bearing plates by means of stuffing boxes. The rotating worm shaft can be designed with vane trim, as a full-blade, paddle, spiral thread or with special trim. Depending on the requirements and the task, the worm is designed in a continuous, progressive or conical arrangement, as a single or multiple thread, right-handed or left-handed and counter-rotating.

COOLING SCREW CONVEYOR

Cooling screws from Loibl are designed as pipe or trough screws. They are used in grate firing as well as downstream of fluidized bed and rotary kilns to cool down bulk materials with temperatures of up to 1000 °C for further transport.

The bulk material is conveyed by rotation of the screw shaft. During conveying, cooling water flows through and cools the trough shell and/or the screw shaft. The **LASHSLUDGECON**®, a special screw heat exchanger, is particularly well suited for hot ash cooling in sewage sludge applications.



LASHSCREWCON[®] BY LOIBL

KEY FEATURES

- ☒ Angle of inclination: 0° - 25° or special designs for steep and vertical conveying
- ☒ Diameter up to 1.400 mm
- ☒ Length up to 60 m
- ☒ Housing dust-, pressure-, gas-, water- and odor-tight
- ☒ Multiple shafts side by side possible
- ☒ Speed adjustable via frequency converter (optional)
- ☒ Materials: Heat and wear resistant steels
- ☒ Wear protection such as stoneware or basalt linings and buildup welding possible

OUR BENEFITS AT YOUR SERVICE

- ☒ External shaft bearing
- ☒ Easy maintenance
- ☒ Low operating costs
- ☒ Long service life
- ☒ Center bearing for longer conveying distances possible
- ☒ Compact and sturdy design
- ☒ Wear protection measures selectable
- ☒ Reverse operation
- ☒ EX-protection measures possible
- ☒ Environmentally friendly operation due to avoidance of dust emissions
- ☒ Operationally safe due to enclosed design
- ☒ Food-safe design possible

CONVEYED MATERIAL

- ☒ Powdery, fibrous, granular, coarse, pasty and lumpy, pasty and agglomerating and abrasive bulk materials

FUNCTIONS & APPLICATIONS

- ☒ Cooling
- ☒ Moistening and washing
- ☒ Sieving, mixing and stirring
- ☒ Bunker discharge suitable
- ☒ Suitable for dosing
- ☒ Hot material suitable

TYPES

- ☒ **LASHSLUDGECON[®]** - Special screw heat exchanger for hot ash cooling at sewage sludge applications
- ☒ Silo screw reclaimer
- ☒ Trough screw conveyor
- ☒ Pipe screw conveyor
- ☒ Cooling screw conveyor
- ☒ Moistening screw conveyor
- ☒ Mixing, dosing and distribution screw conveyor
- ☒ Vertical screw conveyor
- ☒ Weighing screw conveyor
- ☒ Screw dischargers with several screw shafts

DESIGNED, ENGINEERED AND MANUFACTURED IN GERMANY.

Scan the QR code to learn more about our screw conveyors.



SCAN ME

