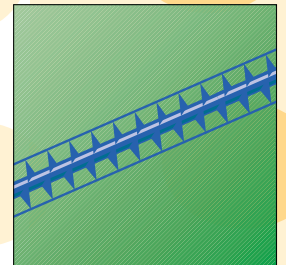
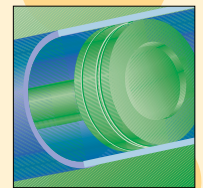
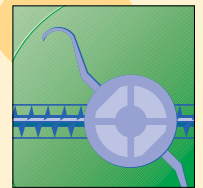
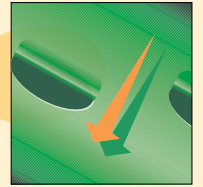
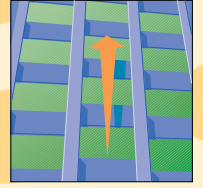
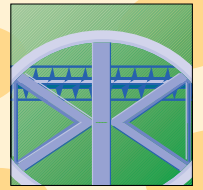
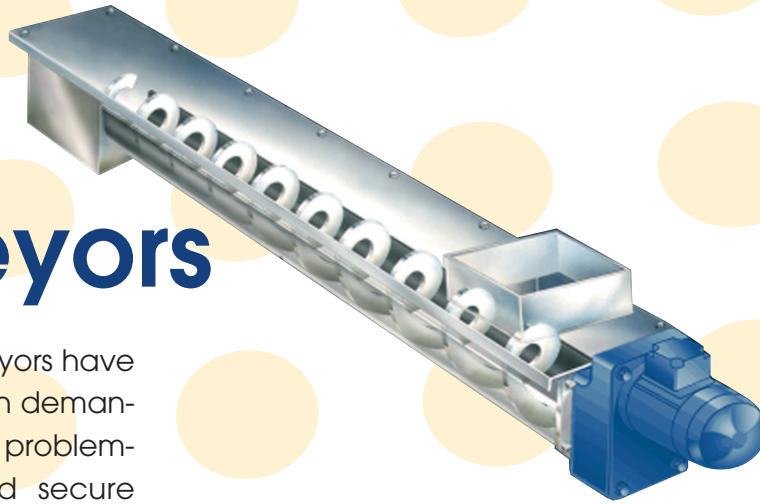




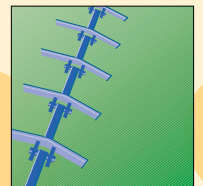
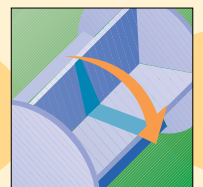
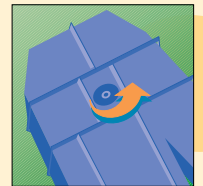
Screw Conveyors

SAXLUND screw conveyors have long been employed in demanding environments for problem-free, economical and secure transport of a wide range of different materials.

Our own design of both screws and other components, give us full control over quality and function and make it possible to adapt the units to each customer's needs and wishes.



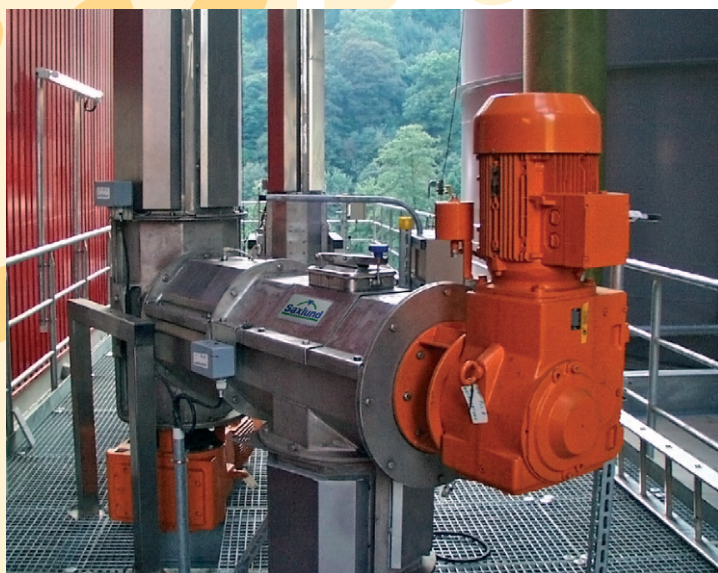
Screw Conveyors



SAXLUND Spiral Conveyors

One system with many advantages

- The absence of a central shaft in the spiral creates more space
- Large pieces can be transported
- Sticky and threadlike materials do not get caught up
- High filling degree and low rotary speed give high capacity
- Low noise level
- Enclosed, dust-free and hygienic system
- Projecting free spiral keeps the outlet free from string, tape, steel wire etc.
- Long transport runs without interruption are possible
- Direct side-feeding saves space
- Angles of operation up to 90° possible
- The conveyors only bearing is located in the drive unit
- Minimal wear and maintenance
- Good overall economy



Spiral conveyors from SAXLUND have, for years, displayed their superior qualities in wastewater works, papermills, sawmills, recycling and incinerator plants, abattoirs and in many other applications.

Design

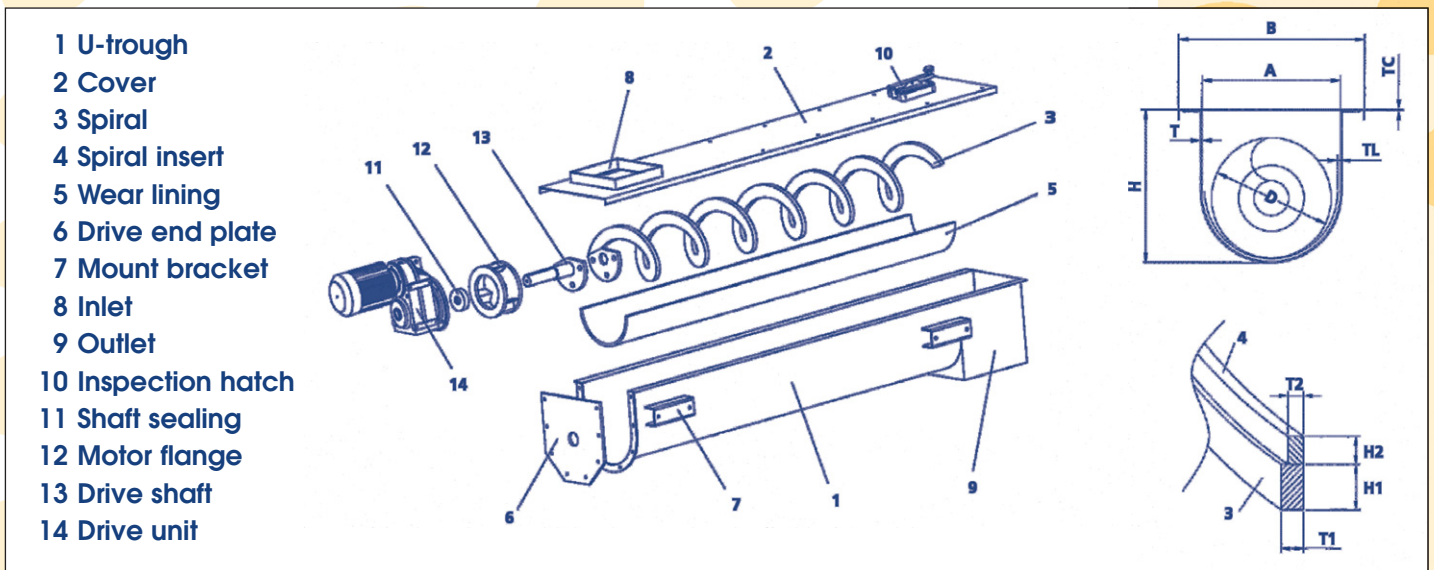
Each conveyor is dimensioned and constructed with regard to factors such as capacity, installation angle, properties of materials transported, etc. The most common design is a combination of a stainless steel trough, wear lining of plastic or steel and spirals made of special steel. Since requirements and problems vary from case to case, a wide range of variants naturally results. Drive units of well-known makes are normally included in our supplies. Customer-specific drive units can also be supplied. We also offer conveyors with double coordinating spirals in joint troughs, known as twin conveyors. For silos and receiving hoppers, we construct bottoms with several spirals. Pipe-shaped, swivel, water-jacketed and insulated conveyors, are other variants. Other customer-adapted equipment is produced according to demand.

Some examples of materials that may be carried via our conveyors, to advantage:

Rejects from pulpers	Fuel pellets	Chemicals
Artificial fertilizers	Sludge	Foodstuffs
Wood chips	Coal	Granules
Poultry fertilizers	Household waste	Sand
Sawdust	Ash	Metal shavings
Screenings	Compost	Abattoir waste
New applications are to be added constantly		



Construction

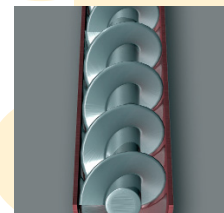


Standard sizes									
Type		U-200	U-250	U-320	U-360	U-420	U-500	U-600	U-700
Spiral diameter	D	170	210	280	310	365	420	520	620
Spiral profile	H1xT1	40x15	50x20	60x20	70x20	70x20	80x25	100x25	100x25
Insert profile	H2xT2	25x10	30x10	40x10	40x10	40x10	50x15	50x15	60x15
Trough thickness	T	2	3	3	3	4	4	5	5
Trough height	H	224	270	367	395	457	557	656	752
Trough inner width	A	200	250	320	360	420	500	600	700
Cover width	B	304	354	454	484	546	648	746	856
Cover thickness	TC	2	2	2	2	3	3	3	3
Wear lining thickness	TL	8	8	10	10	12	15	15	15

SAXLUND Screw conveyors - other models

Standard SAX Screws

These are shafted with flights fully welded to this shaft and no hanger bearings. These screws are used for all general applications and up to 10m in length and 1000mm in diameter. Flights can be any steel type according to the application. When stuffing boxes are fitted, the shaft always has an adjacent wear sleeve.



Ribbon Screws

These are generally used for special cases where the conveyed material is very sticky and may otherwise cause 'logging' in a standard screw. We use our ribbon screws for example in our ash conditioning mixer.



Twin Screws

This can be a good feature in special applications again for some sticky materials. We use this design for example for the Pre-Press Screws in our Solids Handling Pumps for sludge cake.





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Products for silo and conveying technology:

- Saxlund Sliding Frames
- Saxlund Push Floors
- Tubefeeders
- Saxlund Rotors
- Saxlund Solids Pumps
- Troughed Chain Conveyors
- Screw Conveyors
- Elevators
- Rotary Valves
- Combustion Plants
- Control Systems