



LACKEBY SCREW CONVEYOR

Reliable and efficient material handling with low life-cycle costs

Since the 50's we have gained experience from a vast number of applications which is valuable when designing screw conveyors for problem-free, effective transportation of a large variety of different materials. Therefore you can be assured that all aspects have been taken into consideration when designing a screw conveyor system for your specific application.

Vertical transportation of materials is one of many challenges we often face and of course, can solve. Many years of delivering tailor made solutions give us the confidence in designing vertical screw conveyor systems.

Applications:

- Fuels (wood chips, RDF, straw, sawdust, pellets, carbon)
- Waste (screenings, sludge, slaughter waste, manure, garbage, ash, bark)
- Food (grain, powder, sugar, salt, flour, rest products)
- Pulp & paper (pulp, fiber sludge, bark, sand)
- Recycled paper (process residue, fiber sludge)
- Metal recycling and mining
- Chemicals.

Concept and configuration

The Lackeby Screw conveyor concept consists of standard size troughs and spirals with options like rotation sensors, slide gates, spiral brushes, different types of wear liners, inspection hatches, multiple inlets and outlets, etc.

The conveyors troughs are made of stainless steel, EN 1.4301 or 1.4404 and the spirals made of S355JO or stainless steel when required. All parts of the screw conveyors, including the spirals, are made in our own workshop which ensures full control of “fit and function”.

The choice of material for the specific project is essential and a variety of wear liners, including special high strength steel wear bars, are available for highly abrasive materials.

Made in Sweden since 1951

With our long experience and in-house manufacturing of all the vital parts of the screw conveyor we are a reliable and appreciated partner for all types of installations of screw conveyor systems.



Lackeby Products AB has more than 60 years of experience in designing and manufacturing the Lackeby Screw conveyor.

Technical Data

| Model (trough size), A | mm | 156 | 220 | 260 | 320 | 360 | 420 | 460 | 500 | 600 | 700 | 800 |
|------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Width, B | mm | 254 | 322 | 364 | 424 | 464 | 524 | 586 | 626 | 726 | 838 | 938 |
| Height, C | mm | 190 | 257 | 302 | 365 | 410 | 470 | 526 | 566 | 666 | 770 | 870 |
| Spiral diameter, D | mm | 130 | 190 | 225 | 275 | 310 | 370 | 410 | 450 | 550 | 650 | 750 |
| Max capacity | m ³ /h | <3 | <8 | <15 | <27 | <40 | <65 | <85 | <120 | <200 | <300 | <500 |

Lackeby Products AB has more than 50 years of experience in designing and manufacturing high performance products for resource-efficient heat recovery and wastewater recycling. In our production facilities in Sweden we have made thousands of products for the toughest environments world wide.

We are well known for our ability to customize products to each customer's unique requirements. All of our products are characterized by reliability, long life cycles and easy maintenance making Lackeby Products a trusted partner and supplier of products for plant upgrades or new plant constructions. We guarantee high quality, excellent performance and complete satisfaction.

Design benefits:

- Shaftless spiral design which enables the handling of large volumes and difficult, sticky, stringy material
- Shaftless spirals as standard but shafted spirals can be provided depending on the application
- No bearings needed in shaftless design
- Available for inclined- and vertical installations which allow a small footprint
- Available in up to 800 mm trough width and triple spiral design for large-volume applications and increased strength
- Various types of wear liners depending on the application.
- Enclosed, sealed troughs for non-leakage, odour-free, low-noise conveying of material.

Low cost:

- Customized and project-adapted design to ensure highest possible customer value
- Long lifetime due to robust and reliable design
- Few moving parts
- Low operations- and maintenance costs.

