

Contec



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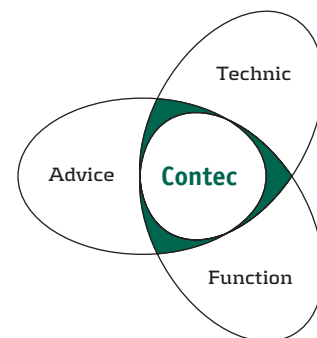
Our experience – Your guarantee

Cimbria Contec screw conveyors provide an efficient and reliable method of conveying a wide range of industrial bulk materials. Many years of practical engineering experience and an in depth knowledge of product characteristics enables Cimbria Contec to specialise in supplying the correct conveying solution to suit individual customer requirements.



A comprehensive range of screw conveyor models combined with a choice of manufacturing materials makes Cimbria Contec screw conveyors ideal for transporting a diverse range of bulk materials within an area from agricultural products such as grain, flour and feed stuff to industrial products as e.g. chalk, fly ash, wood pellets and plastic granulates.

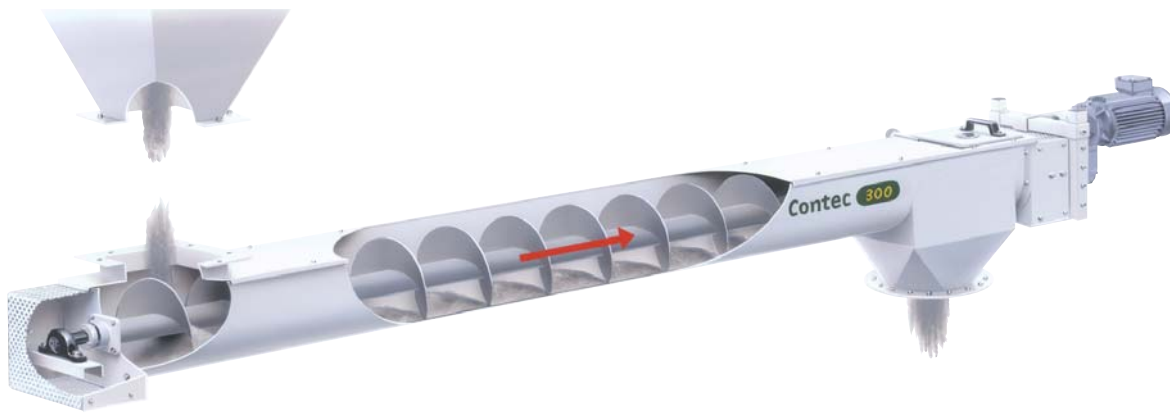
The screw conveyors are of modular construction consisting of inlet and outlet sections, trough section with screw flight and the drive assembly. Equipment and accessories are manufactured for straightforward conveyors or complete systems for large corporate projects, all to meet specific customer requirements.



At Cimbria we have pride in the equipment we manufacture but also believe in the importance of reliable delivery to ensure the smooth progress of shut downs and customer projects.

Cimbria Contec provide a combination of high quality equipment, competitive prices, delivery reliability and good service giving our customers the confidence to consistently choose Cimbria Contec as their supplier of screw conveyors.

... more than a standard solution



Overview

Screw conveyor type	SU	SO	SUH	SOH	SAU
Ash 1)	◐	◐	●	●	◐
Bone meal	●	●	●	●	◐
Cement 1)	◐	◐	●	●	◐
Chalk 1)	◐	◐	●	●	◐
Dust	●	●	●	●	◐
Earth 1)	●	●	●	●	◐
Fertilizer 1)	●	●	●	●	◐
Fibre	●	●	●	●	◐
Filter dust	●	●	●	●	◐
Fish meal	●	●	●	●	◐
Fly ash 1)	◐	◐	●	●	◐
Grain	●	●	●	●	◐
Lime 1)	◐	◐	●	●	◐
Malt	●	●	●	●	◐
Meal	●	●	●	●	◐
Pills 3)	●	●	●	●	◐
Plaster 1)	◐	◐	●	●	◐
Plastic granulates	●	●	●	●	◐
Quicklime 1)	◐	◐	●	●	◐
Rice	●	●	●	●	◐
Salt 4)	●	●	●	●	◐
Sand	◐	◐	●	●	◐
Sawdust	●	●	●	●	◐
Screenings	◐	◐	◐	◐	●
Seed	●	●	●	●	◐
Sludge	◐	◐	◐	◐	●
Straw 2)	●	●	●	●	◐
Sugar 1)	●	●	●	●	◐
Sunflower seed	●	●	●	●	◐
Wood chips	◐	◐	●	●	◐
Bone meal	●	●	●	●	◐

- Suitable
- ◐ Partly suitable
- ◐ Not suitable

- 1) Suitable without intermediate bearings
- 2) Whittled
- 3) Be aware of dust
- 4) Stainless

The Product range



SU trough conveyor

The SU trough conveyor is designed for horizontal or slightly inclined conveying of free flowing bulk products such as grains, fertilizers, flour, powder or granulates. The screw conveyor is modular in construction with bolted dustproof top cover which enables easy access for inspection and service. The trough conveyor is available in lengths up to 25 meter consisting of trough sections in 2 meters and flights supported at 4 to 6 metre lengths. Intermediate bearings up to every 6 metres are available in bronze, plastic, beechwood or roller bearings. Manufactured in primed, stainless or galvanized steel.



SO tube conveyor

The SO tube conveyor is designed for horizontal or inclined conveying of free flowing bulk products such as grains, fertilizer, flour, powders or granulates. The screw conveyor is modular in construction and in standard form the conveyor is available in lengths up to 25 metre consisting of trough sections in 2 metre lengths and flights in 4-6 metre lengths. Intermediate bearings up to every 6 metres are available in bronze, plastic, beechwood or roller bearings. Manufactured in primed, stainless or galvanized steel. The tube conveyor is also available in a heavy duty construction with the designation SOH. This conveyor type is equipped with stand off bearings as standard.



SUH heavy duty screw conveyor

The heavy duty trough conveyor is designed for conveying bulk material with abrasive characteristics such as sand, slag or abrasive powder products or with high duty requirements. The conveyor is manufactured using heavier materials and in very abrasive conditions hard wearing steels such as Hardox plate. To improve bearing protection the conveyor is supplied with adjustable packing boxes and stand off bearings in the drive and tail end. The screw conveyor is modular in construction and in standard form the conveyor is available in lengths up to 25 meter consisting of trough sections in 2 metres lengths and flights in 4-6 metre lengths. Hangar bearings up to every 6 metres are available in bronze, plastic, beechwood or roller bearings. Manufactured in primed, stainless or galvanized steel.



SAU trough conveyor

The SAU trough conveyor is equipped with a shaft free flight to prevent product build up in the conveyor. It is designed to operate horizontally or slightly inclined and used to convey viscous products such as sludges and difficult to handle products. The trough is supplied with a special nylon lining to improve wear and self cleaning characteristics. The trough is equipped with bolted dustproof top cover which enables easy access for inspection and service. The maximum length is 12 metres and the conveyor is available in both paint finish steel or stainless steel.

Optional Equipment and Designs

The combination of product wear and flow characteristics, capacity requirements, duty, safety and the installation environment are all significant factors when designing the appropriate transport solution. A wide range of optional equipment and designs within the Cimbra Contec standard manufacturing schedule are available to provide the right equipment for the job.



Openable bottom

In order to obtain easy access during the cleaning process, the screw conveyor is equipped with an openable bottom equipped with spring locks and a safety microswitch to isolate the drive. Suitable for the SU and SO models.



Openable cover

Used for ease of access during the cleaning process and for regular inspection. The cover is equipped with spring locks and a safety microswitch to isolate the drive. Possible to combine with the openable bottom. Suitable for all models.



Safety flap and inspection door

The safety flap is mounted on the screw conveyor at the outlet end to protect the machine in the event of a blockage. The safety microswitch isolates the drive when the flap is opened for inspection or a blockage occurs. Generally supplied as standard on all models.



Intermediate bearing

Intermediate bearings are at 4m centres as our standard design but can increase to 6m if required. The intermediate bearings can be supplied in various materials; bronze, plastic, beechwood or roller bearings - depending on the product being conveyed.

Supplied with models, SU, SUH, SO and SOH.

Optional Equipment and Designs



Flight options

Cimbria Contec manufacture all flights fully welded on the transport side. For hygiene the flight can be manufactured in stainless steel and fully welded on both sides.

Standard flight is offered rolled or from pressed plate for greater strength. Design options include; variable pitch or tapered flight to control product flow for silo screw dischargers or when under a flood feed; paddle flight for mixing products; ribbon flight for sticky products.

Shaft free flights

When conveying products with long-fiber characteristics such as sludge or screenings, a shaft free flight will be an obvious choice. Can be delivered in special steel with a length up to 1.2 meters.

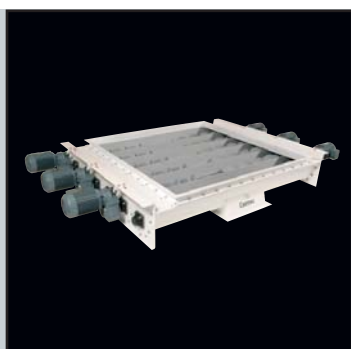


Stand off bearings and adjustable packing boxes

Used when conveying abrasive products, powders or when the temperature is above 90°C. Available with different packing materials and oil rings depending on the product type. Stand off bearings and adjustable packing boxes are standard on SUH and SOH. Additional choice for SU and SO.

The Drive

Cimbria Contec supply hollow shaft direct drives as standard, mounted with a substantial torque arm frame at the drive or tail end. Can also be supplied with direct drive coupling.



Individual adaption = flexible solutions

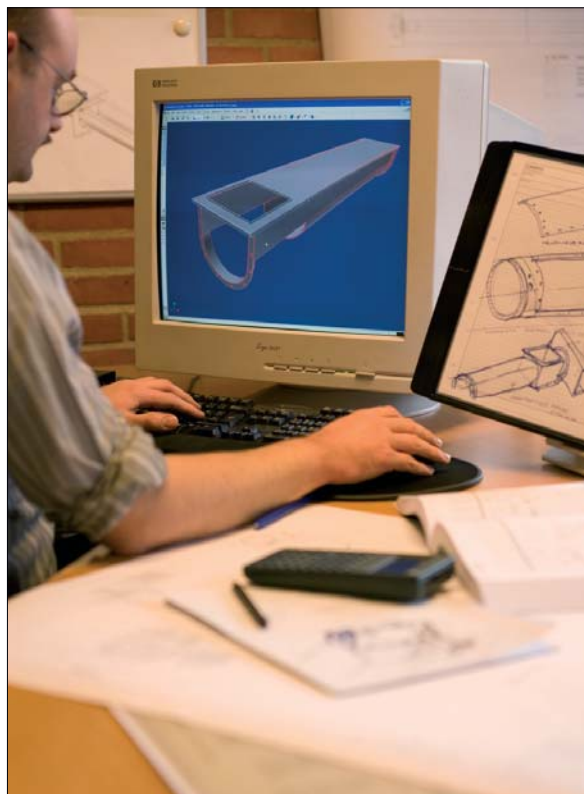
At Cimbria Contec we encourage close collaboration between the customer and our sales and technical departments making sure the most suitable engineering solution is proposed to satisfy the customer's product and design parameters and that it can be supplied within budget. The choice of the correct Cimbria model with the additional optional equipment and design will ensure that best engineering practice and best values are achieved.

Cimbria Contec is part of a global company supplying equipment around the world giving us a wealth of experience drawn from a wide variety of reference plants. This provides our team with a comprehensive knowledge of different products and proves our high quality equipment is able to operate in different environments.



Skilled Cimbria engineers manufacture the complete range of equipment to the same high standards and tight tolerances. One procedure carried out during the fabrication of the flights is to ensure the rotating shaft and flight has no greater run-out than 0.03mm.

The Cimbria Contec Technical Department is an important link between the sales and production department. All data, drawing and design is collated using the latest equipment in design technology and manufacture. The technical department is also responsible for supplying each screw conveyor with comprehensive documentation for construction, operation, installation and service.



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