

# Strength with Purpose



## Bucket Elevators

19 Metre Centres Belt & Bucket Elevator handling 125 tonnes per hour of cement.

Each elevator is purpose-designed to suit its application and we can offer chain and bucket or belt and bucket, centrifugal, positive discharge or continuous type depending on requirements. We have installed two of our elevators as an integral part of a deep-water bulk import facility at the port of Southampton - a particularly demanding application, required to handle 500,000 tonnes of cement annually in order to help fulfill the increasing call for cement in the south of England. We can manufacture elevators with capacities lifting materials in excess of 350 tonnes per hour to a height exceeding 35 metres.



Part of a 50 metre long Twin Strand Chain and Scraper Conveyor which handles iron oxide dust in a bag filter installation at a large steelworks and is typical of our method of installation.

We also produce to customers designs chain and scraper conveyors and drag link conveyors.



## General Fabrication

Since the new ownership our range can now further be diversified into General Fabrications including specialists in stainless steel, the facilities we are able to offer include profiling, plasma cutting, sawing, shearing, bending, punching, rolling, machining, drilling and welding of fabrications (Manual Metal arc, MIG and TIG).

Sub-assembly and fabrication work all carried out in our own workshop.



## THE CONVEYOR & ELEVATOR COMPANY LTD

Consultants, Designers and Manufacturers since 1889

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THE CONVEYOR  
& ELEVATOR  
COMPANY LTD



UNRIVALLED SOLUTIONS IN  
**BULK  
 MATERIALS  
 HANDLING**

## COMPANY PROFILE

Since 1889 The Conveyor and Elevator Company has developed into a comprehensive engineering business offering a design, manufacturing and consultancy service in the field of Mechanical Handling.



### Product Range

Screw conveyors, Bucket elevators (chain or belt), Ribbon spiral conveyors, Multiple screw bin dischargers, Double/Triple start screw conveyors, Walkways, Hoppers, Chutes and General Fabrications in Mild steel and Stainless steel. Our broad product base is complemented by a variety of finishing services from plastic dipping and spraying, metal galvanising, shot/bead/grit blasting, hard weld surfacing, stainless polishing, epoxy coating to special paints and finishes.



Our aim is to offer a comprehensive first class service to all our customers from supply of components through to design and manufacture to installation and commissioning.

# Combining Today's Technology with years of Experience

The Company operates a fully computerised system from the design of individual components through the manufacturing process, stock levels, sales and accounts, offering the customer a very efficient, cost effective service.



Using this technology we are able to develop many maintenance programmes based on stored data on component wear, thus predicting possible failures which lead to mechanical breakdown, introducing preventative maintenance reducing costly down time.

### Spares and Replacement Components for Screw Conveyors:-

Individual segments can be purchased by a customer wishing to build his own spiral or merely replace worn or damaged sections of an existing conveyor system. We can produce a regular range of spiral segments from 25mm dia to 800mm dia with any combination of pitch and centre shaft size. Larger segments upto 3000mm dia can also be supplied but delivery periods for these are slightly longer than for the regular range. We also manufacture Ribbon spiral segments similar to those pictured, these are attached to the centre shaft or tube by means of spacing pieces. This type of flying is particularly recommended for handling sticky or damp materials, as it prevents build-up around the centre shaft or tube.

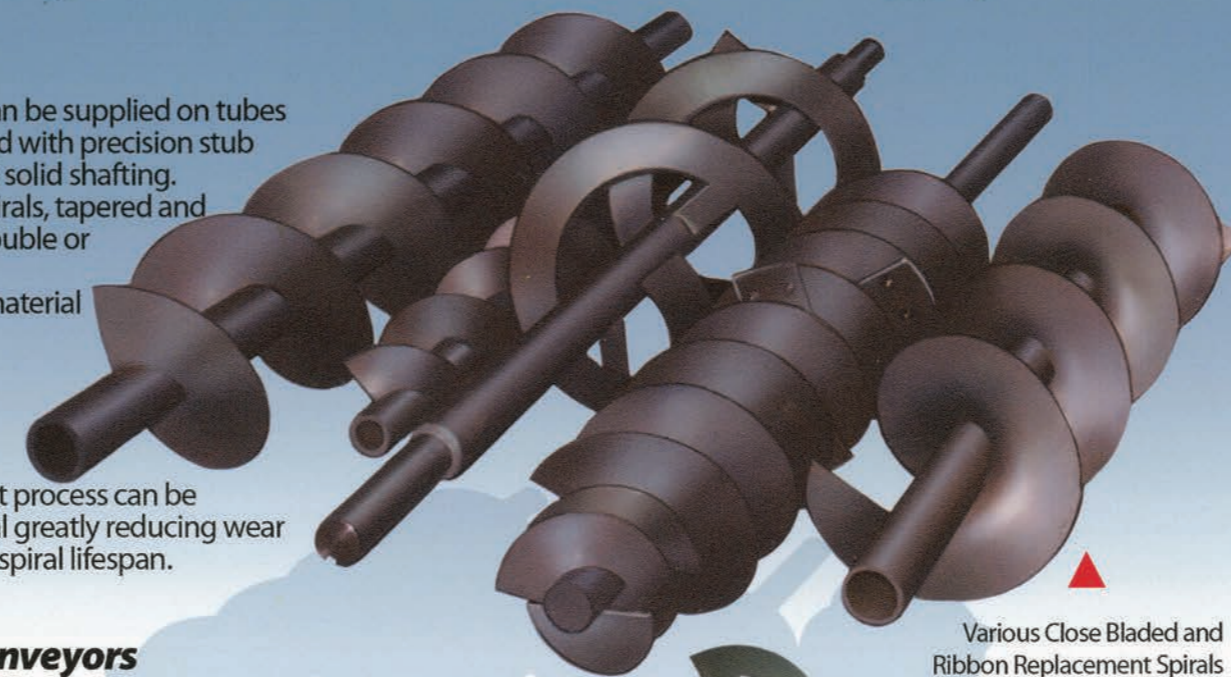


A selection of Close Bladed Segments

### Spirals

Complete spirals can be supplied on tubes bored out and fitted with precision stub shafts or machined solid shafting. Special purpose spirals, tapered and or varying pitch, double or triple start, can be supplied to assist material flow as required.

When highly abrasive materials are to be handled, a hard weld deposit process can be applied to the spiral greatly reducing wear and increasing the spiral lifespan.

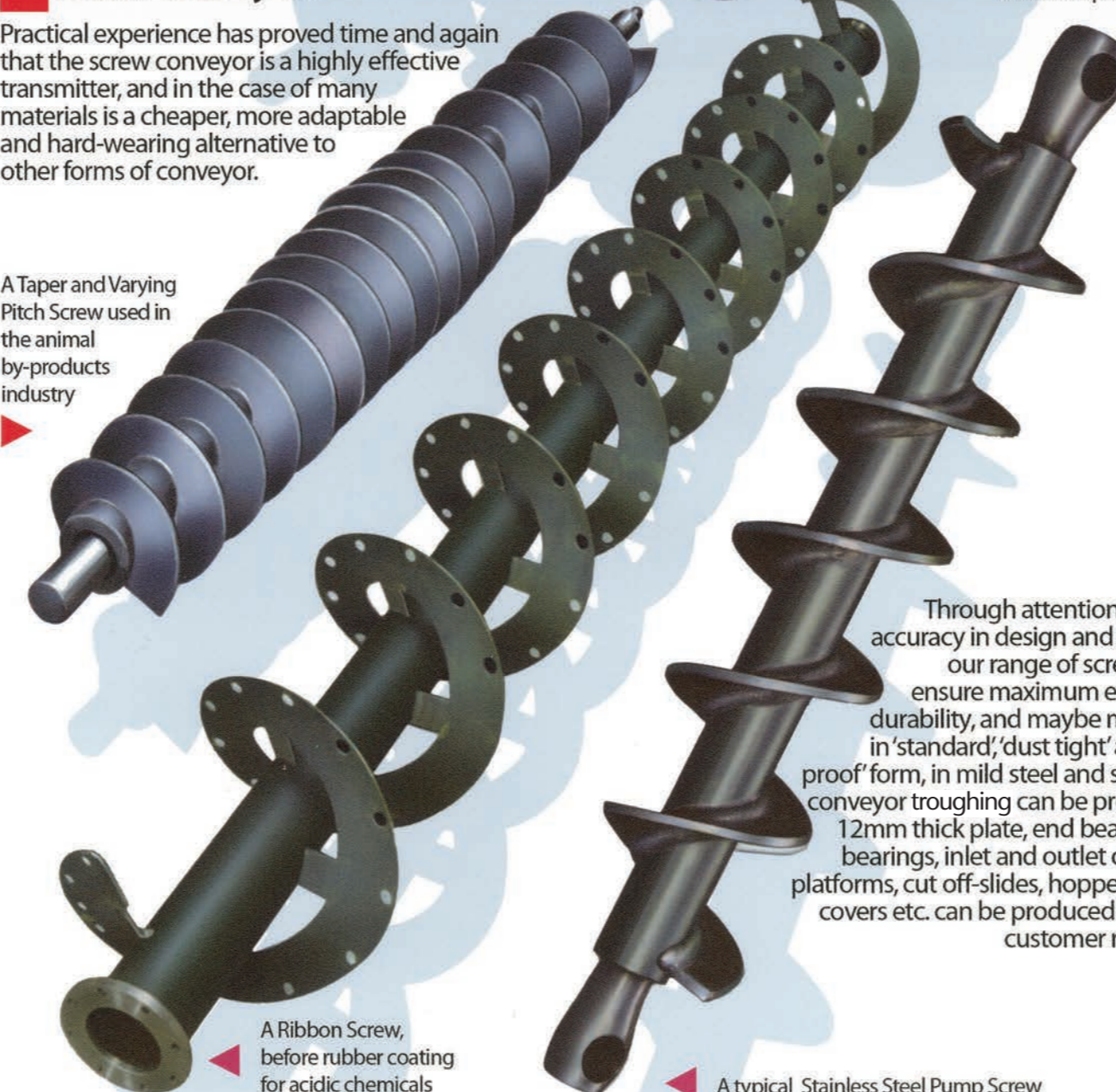


Various Close Bladed and Ribbon Replacement Spirals

### Screw Conveyors

Practical experience has proved time and again that the screw conveyor is a highly effective transmitter, and in the case of many materials is a cheaper, more adaptable and hard-wearing alternative to other forms of conveyor.

A Taper and Varying Pitch Screw used in the animal by-products industry



A Ribbon Screw, before rubber coating for acidic chemicals

A typical Stainless Steel Pump Screw

Through attention to detail and accuracy in design and construction, our range of screw conveyors ensure maximum efficiency and durability, and maybe manufactured in 'standard', 'dust tight' and 'weather-proof' form, in mild steel and stainless steel, conveyor troughing can be produced up to 12mm thick plate, end bearings, hanger bearings, inlet and outlet chutes, motor platforms, cut off-slides, hoppers, inspection covers etc. can be produced according to customer requirements.

'Drop-bottom' Stainless Steel Conveyor for handling foodstuffs.



PTFE Coated Ribbon Screw Conveyor handling Silica sand from a belt filter



Stainless Steel Pressure-tight (8 Bar G) Tubular Screw Conveyor in a chemical plant



A CENTURY OF SERVICE TO THE INDUSTRY

