

# Flexible Screw Conveyors

The ideal choice for a wide variety of conveying applications where low noise, ease of maintenance, hygiene and dust control are essential.

Guttridge flexible screw conveyors utilise the latest UHMWPE tubing offering full compliance with all EU and US food regulations.

In congested installations flexible conveyors simplify the transfer of product and avoid costly alterations to existing plant.

The modular design allows any configuration to be easily and quickly built up to suit a customer's exact requirements. Inlet hoppers, agitators and other special purpose fittings are easily incorporated to customise machines as necessary.

Employed extensively in the food, chemical, plastics and pharmaceutical industries, Guttridge spiral conveyors are the logical choice for customers who demand a reliable high quality transfer system at a competitive price. Ideal for handling powders, flakes and granules.

- **Easily dismantled for cleaning and maintenance**
- **Stainless steel contact parts**
- **Modular design for fast delivery**
- **Fully sealed for dust free operation**
- **Low power consumption**



**Guttridge flexible screw conveyors can be configured in many different ways:-**



## Guttridge

**Bulk Materials Handling**

[www.guttridge.com](http://www.guttridge.com)

## Product Range

Model Number	T4/300	T5/600	T6/1500	T9/5000
Spiral dia (mm)	36	47	58	80
Tube dia (id/od) (mm)	44/51	55/63	66/80	90/100
Approximate capacity kgs/hr	300	600	1500	5000
Min bend radius (m)	2.8	3.1	4.5	7.5

NB. Capacity is dependant on bulk density, material flow characteristics and machine configuration

## Major Component Details

### Outer tube

Ultra High Molecular Weight Polyethylene (UHMWPE)

- EU & FDA approved for food use
- Flexible
- High wear resistance
- Low coefficient of friction

### Spirals

Round profile

- Carbon steel (HS3)
- Optional stainless steel (316)
- Stress relieved via heat treatment

### Drive

Direct coupled 6 or 8 pole IP55 motor

## Product Variants

### Type A

Basic machine for typical applications

- Mild steel
- Optional stainless steel (304)
- Bolted construction

### Type B

Enhanced design for high grade food or pharmaceutical applications

- Stainless steel (316)
- Quick release features
- Silicone gaskets



## Control Options

- Simple stop/start with manual 'inching'
- Low level probe with timer
- High level probe with timer
- Speed control with inverter or DC drive
- Weighing systems built around plc controllers

## Features include....

- Variable flow control
- Multiple inlet/outlet options
- Round flight profiles
- Heavy duty options
- Fixed or mobile installations

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