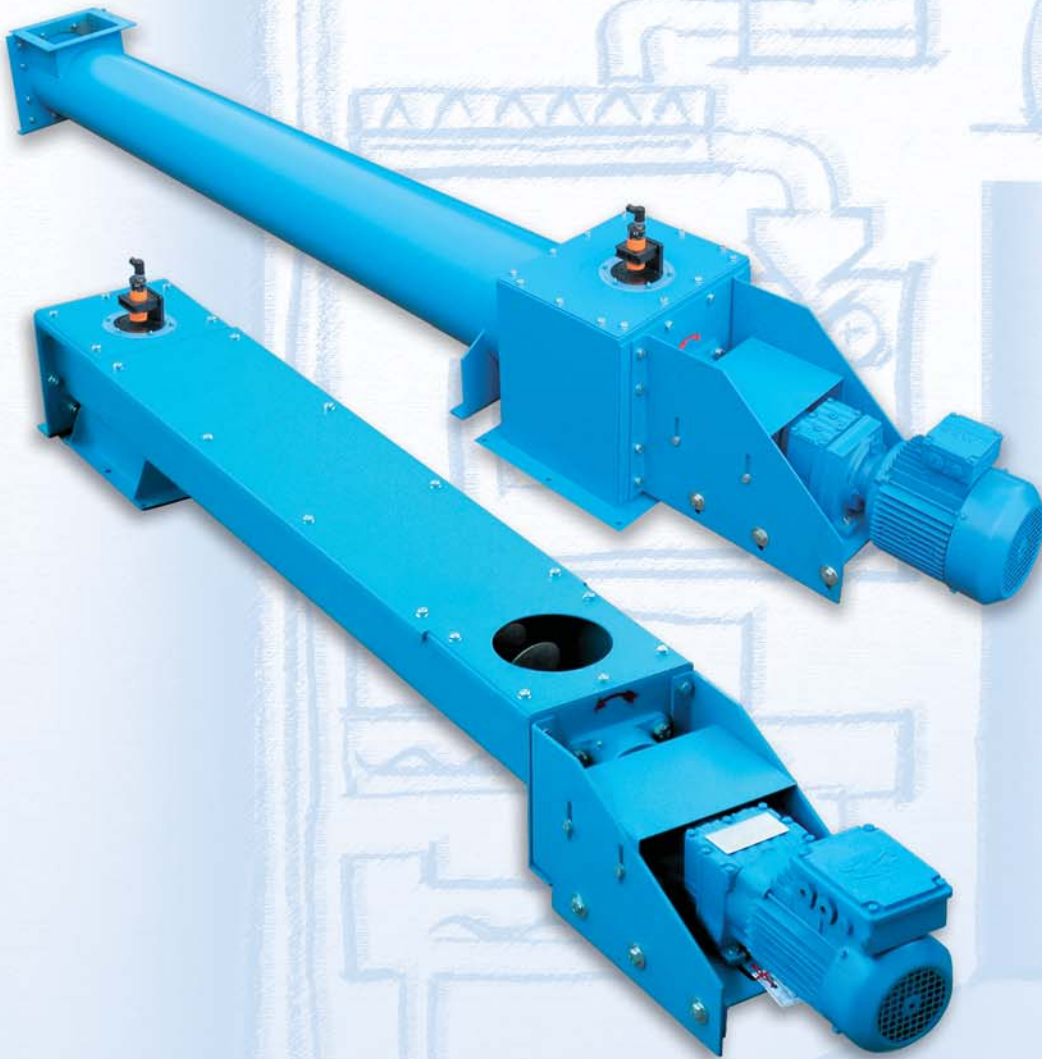


Screw Conveyors



The start of your production cycle:
with plants from the specialist.

From Malt to Mash

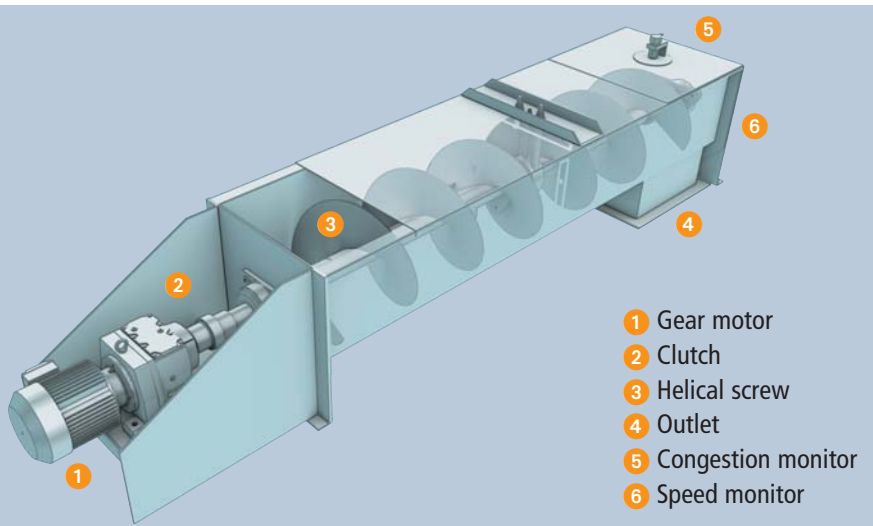
Malt intake | Silo plants | **Conveying equipment** | Flat screens | Destoners | Scales | Dust-removal devices | Malt humidification worms | Grist mills | Pre-mashing screws | Complete plants

KÜNZEL screw conveyors are used when grain, malt or other bulk materials have to be transported over relatively short distances. In doing so, the feed can be carried out horizontally, vertically or at any angle of inclination. There is a selection of trough screw conveyors (with or without pressure relief cover) and tube screw conveyors to choose from, depending on the respective application. These conveyors are available in several standard dimensions for a wide capacity range or they can be individually designed and manufactured as special versions for many different applications and conveying capacities.

KÜNZEL screw conveyors are robust and of high serviceability. There is a choice between the normal steel version with painted or galvanized surface and a stainless steel version. Upon request also available as equipment belonging to ATEX explosion protection category 1.

Additional design features are:

- Direct drive with three-phase gear motor and elastic clutch (optionally with variable speed control)
- Alternatively a chain drive for restricted space conditions regarding length
- Tightly closing trough cover
- Compliance with ATEX requirements on explosion protection



Safety equipment

KÜNZEL screw conveyors are particularly safe to operate and are fitted with the following monitoring and safety elements:

- Congestion control switch
- Speed monitor (optional)
- Bearing temperature monitor (optional)

ATEX explosion protection

KÜNZEL screw conveyors can also be used in potentially explosive atmospheres. Approval as explosion-proof device certified for Group II, Category 1 has been applied for.

Type	Screw diameter ¹ mm	Malt conveying capacity t/h	Motor output kW	Length ² m
FS 150	150	to 8	0.75 – 2.2	2 – 12
FS 200	200	to 15	0.75 – 4.0	2 – 12
FS 250	250	to 25	1.1 – 7.5	2 – 12
FS 300	300	to 36	1.1 – 11	2 – 12
FS 350	350	to 47	1.5 – 15	2 – 12
FS 400	400	to 67	1.5 – 22	2 – 12
FS 450	450	to 90	2.2 – 30	2 – 12

Other sizes available on request

¹ Perimeter speed of screw < 2 m/sec

² Intermediate bearing every 3 meters



Künzel

Maschinenbau GmbH
Industriestraße 7
D-95336 Mainleus (Kulmbach)

Fon +49 / (0)9229 / 88-0
Fax +49 / (0)9229 / 88-185

e-mail: info@kuenzel.cc
www.kuenzel.cc