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 **MIXING CONVEYOR - GRAIN MIX**

NOVELTIES | MIXING CONVEYOR - GRAIN MIX

## 🇬🇧 MIXING CONVEYOR - GRAIN MIX

The mixing conveyor is used for homogenization of grains during drying in the flat storage. Overdried grains at the bottom are mixed with the even wetter grains in the store. The pressure loss in the pile is reduced.

Drying takes place with warm or ambient air at a speed of up to 0.2m/s.

The drive is made by gear wheel and steel rollers on a guide rail with rack. The limit switches are located on the drive bridge. Start and end are adjustable.

The mixing conveyor is painted in RAL 5010, the driving rails and brackets are RAL 7035.

The screw can be used with all common grain and oil crops. (free flowing crops from 1-10mm, bulk density up to 900kg/m³) Wood chips on request.

The driving speed can be adjusted in the control, by us. The customer can choose whether the screw travels linearly or diagonally through the pile.



### Technical data:

- Screw drive 3,0 kW spur gear motor
- Travel drives with 0,18 kW screw gear motor
- Connection power 7,5 kW
- Fuse protection 16 A
- Power 230/400 3-phase, 50 Hz
- Driving speed of bridge: ~ 0,25 m/min
- Travel speed of trolley: ~ 0,3 m/min
- Screw diameter 200mm

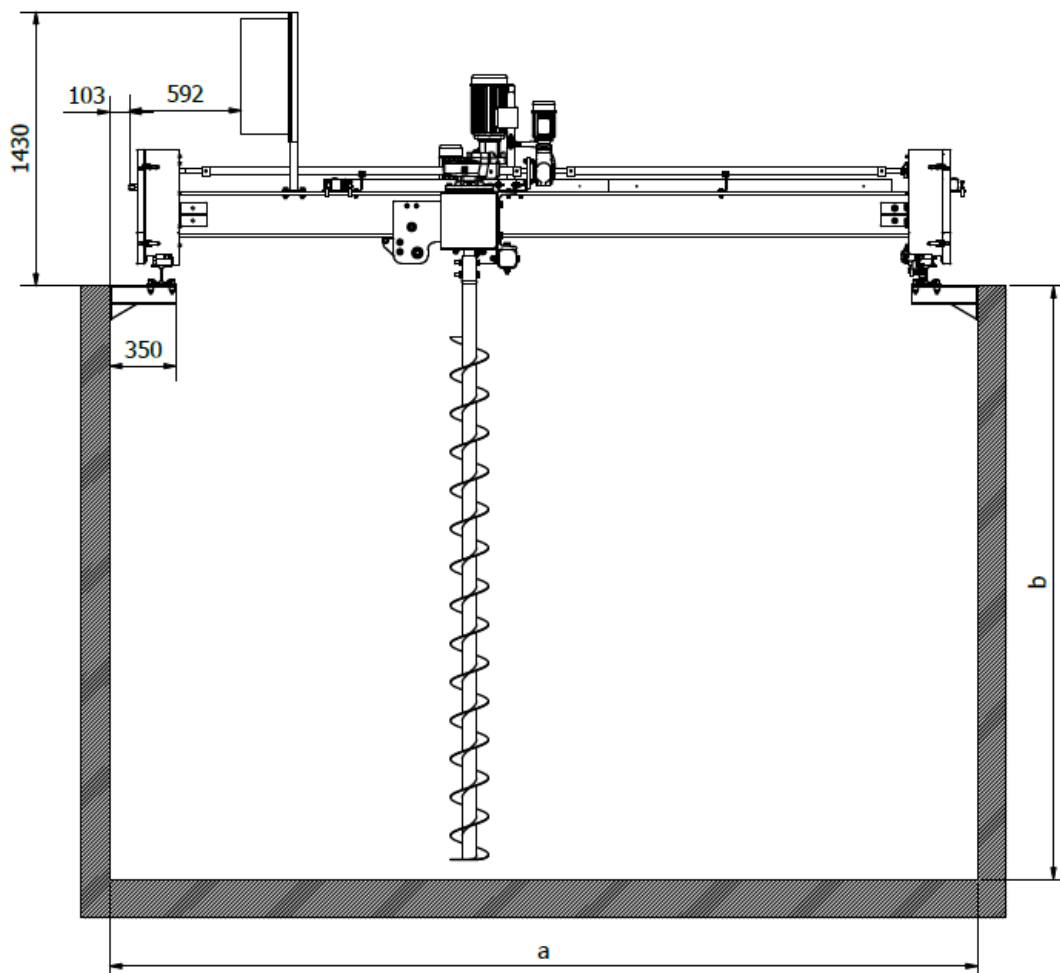
**Assembly and commissioning are carried out by our company on request.**

## THE CONTROL INCLUDES:

- Invertek Optidrive inverter for travel speed adjustment in X and Y direction
- ABB motor protection switch for the screw drives
- Siemens Logo! – SPS with display
- Key switch for empty run
- Diagonal/linear mode selector switch
- ABB rotating field monitoring for left/right rotation
- IFM-vibration sensor for operation monitoring
- Adjustable Siemens limit switches
- LED column for status display
- Steel cabinet incl. electrical installation

### Drawing and dimensions:

The minimum box width (a) is 3m, the maximum box width is 12m. The screw length (b) itself is maximum 4m and can be adjusted to the height of the warehouse. The box length is almost unlimited.







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