

HERBOLD



Herbold Dewatering Screw Type EPS

Drying of thin film, stretch film, foams, non-wovens, strappings, superbags, etc. is one of the challenges that every manufacturer and operator of washing plants will have to face. Further processing of these washed and wet materials will only be possible if a certain residual humidity is achieved. Traditional procedures require high energy inputs during the mechanical and thermal drying process. Parallel to the energy input goes a significant loss of fines.

Herbold's solution:

The model EPS dewatering screw reduces energy consumption while minimizing the loss of materials caused by fines during the drying process of this ground material.

Working principle

The dewatering screw is continuously fed with wet and pre-shredded material. Afterwards this material is pushed to the drying chamber and at the same time compressed with the help of a screw with a conical profile. The necessary counterpressure needed for dewatering is applied by a hydraulic ram. The squeezed water leaves the screw through the screen basket placed at the circumference of the screw. The dried material is discharged at the outlet at the upper end of the screw.

Fields of application

The Herbold dewatering screw is used as part of a wash line or if the feeding material is already wet when fed. The size of the feeding material

should not exceed 30 mm and should not be thicker than 2 mm. Materials prone to compacting may require loosening after dewatering before further processing. In many cases the dewatering screw is combined with a friction washer or with a mechanical dryer followed by a simple thermal dryer. In many applications the use of a thermal dryer is not required when using a Herbold plastcompactor.



Two EPS 75 with distribution hopper

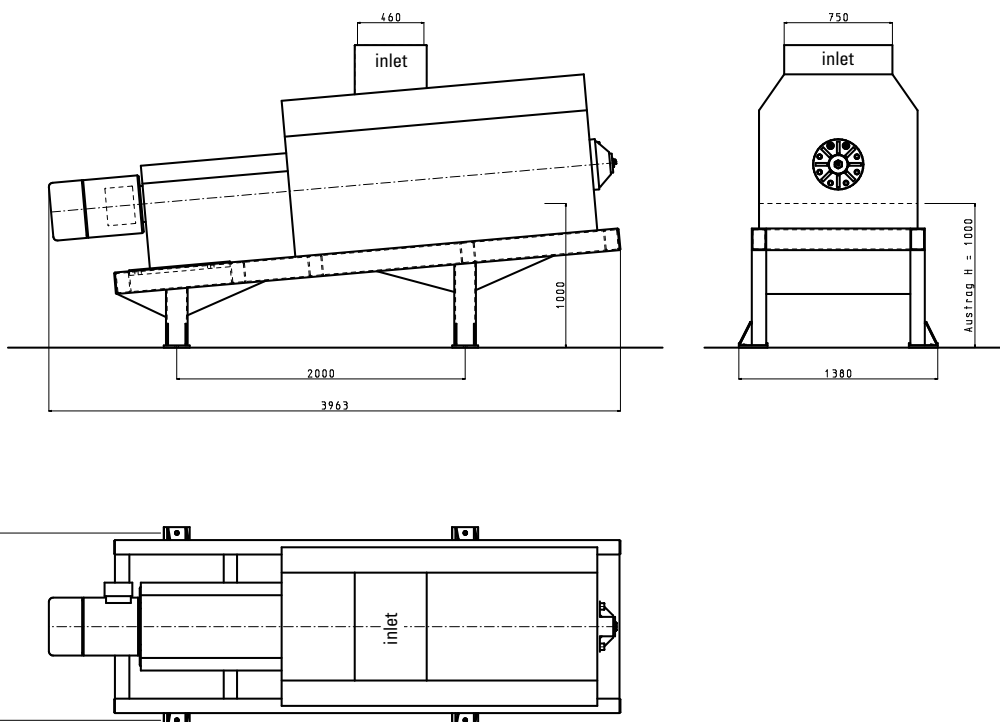
For densification the combination of dewatering, mechanical drying and plastcompacting produces dry agglomerate with higher bulk density, perfect for dosing and transport.

The model EPS dewatering screw can be added to any existing wash line and is easily retrofitted.

For further information on Herbold wash lines and wash line components see our website www.Herbold.com

Technical Data:

Measures	approx. 4000 x 1390 x 2149 mm (approx. 158" x 55" x 85")
Type	EPS 400
Drive motor	55 kW (75 HP)
Revolutions	37 rpm



Dimensions in mm



Our product range

- Granulators
- Pulverizing Systems
- Shredders
- Hammer Mills
- HOG Shredders
- Guillotines
- Washing Systems and Components
- Plastcompactors

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