

# HERBOLD



## Friction Washer

The friction washer is made of a cylindrical trough with an inclined fast running paddle screw to dewater and clean ground material (film flakes, granules and the like). The screw is fixed in the housing by the means of two bearings and enclosed by a stainless steel screen. The ground material and water are fed from above at the lower end of the trough. Then the material is washed while being transported to the outlet at the top of the trough. Fines and water are thrown through the fine screen to the outside while the friction of the high-speed screw cleans the material. The drain is located at the lower end of the trough. The screen is automatically cleaned by means of a water-rinsing unit.

The trough is equipped with a 360° removable screen (standard hole diameter: 2,5 mm), a rinsing device ensures for regular cleaning of the interior housing.

This unit is used to wash highly contaminated film flakes for example. They are used for discharging treated material mixed with water from a wet grinder. This also can be used in special cases where the friction washer can be installed in front of or after the washing tanks and hydrocyclone units.

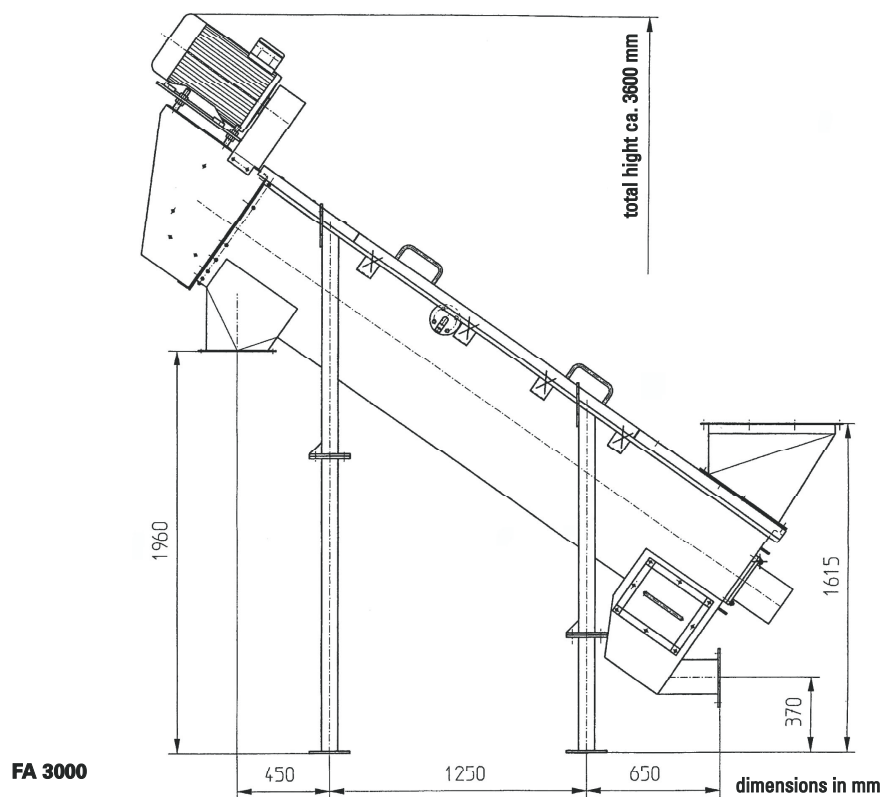


<b>Technical data:</b>	
Model	FAS 3000
Conveying length: (mm)	3000
Screw diameter: (mm)	500
VA execution (except shaft)	Incl.
Screw (paddle) speed	1000 RPM
Screen hole size (mm)	max. 3
Drive (kW)	11 - 22
Water consumption (m <sup>3</sup> /hr)	up to 100
<b>Throughput (t/h)</b>	
HDPE	2.5
LDPE	1.5
PET	3.0
<b>Weight</b>	

## Special features:

Access panels with quick release clamps for easy cleaning  
Centrifugal force for washing and rinsing with water  
Separation of impurities such as labels  
Replaceable wear parts  
External motor  
Washing agents can be added  
Conveying screw is mild steel.

Housing is stainless steel  
Fresh water nozzles (electro-pneumatic) for cleaning screens  
The rotor shaft can be equipped with holes for the rinsing of the flakes; the top of the shaft will be fitted with a rotational seal and connected to a water inlet



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