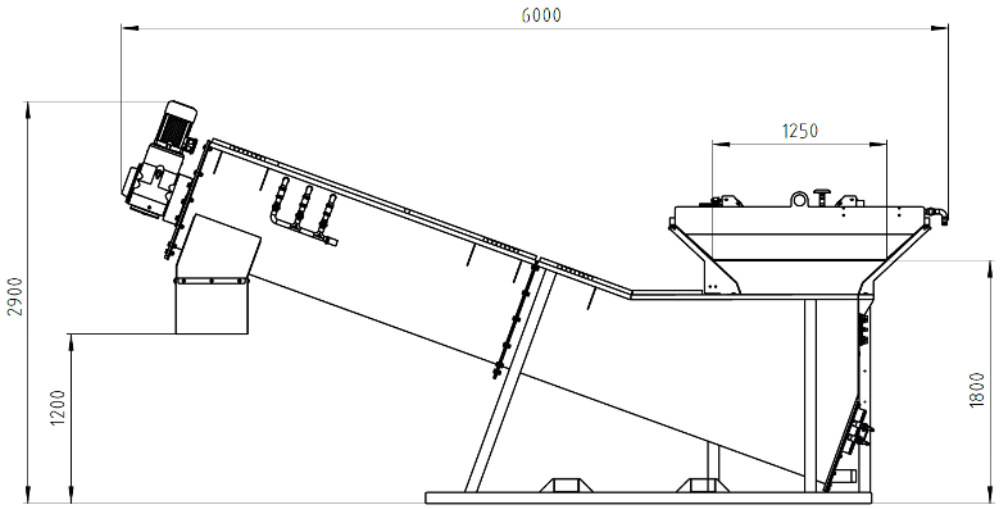
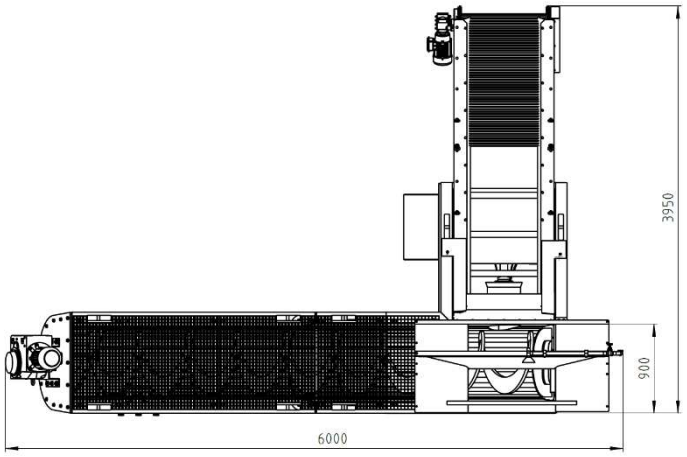
HDS-S

Technical Data



HDS-S side view

DIMENSIONS (approx.)	
total length, auger	5.500 mm
total width, auger	1.000 mm
discharge height, auger	1.200 mm
discharge height, conveyor belt	1.900 mm
height infeed	1.800 mm
WEIGHT (approx.)	
separation chamber frame	1.300 kg
Auger with trough	1.330 kg
Discharge conveyor	470 kg
Overall weight	3.100 kg
WATER	
quality:	operating water
water quantity initial filling	approx. 3 m^3
ENERGY SUPPLY	
network type	3Ph/N/PE
supply voltage / frequency	400 VAC / 50 Hz
back-up fuse (CEE plug)	63 A



HDS-S top view

HDS-S top view

HDS-S view on feed hopper and service openings

HDS-S

Technical Data

Description

The HDS-S is the compact starter solution for water-based density separation from WIMA. The machine can be divided into the following main parts: separation chamber, discharge conveyor for light material, auger for heavy material. The core of the HDS-S is the infinitely variable propeller in the separation chamber, which generates an up-flow of water.

The material is fed into the separation chamber. Dense particles settle to the bottom. A shaftless auger at the bottom of the water bath discharges the dense particles with an edge length of up to 150 mm. The generated up-flow lifts and transports the light particles onto the discharge conveyor belt.

With the help of the variable up-flow of water even materials with a density of > 1 g/cm^3 can be separated from denser particles.

HDS-S view on auger, control cabinet and conveyor belt

DESCRIPTION
- Water-based density separation
- Internal water circulation
- Low operating costs
APPLICATIONS
- Compost screen overflow
- Wood processing
- Demolition and construction waste

HDS-S separated heavy fraction

HDS-S separated light fraction