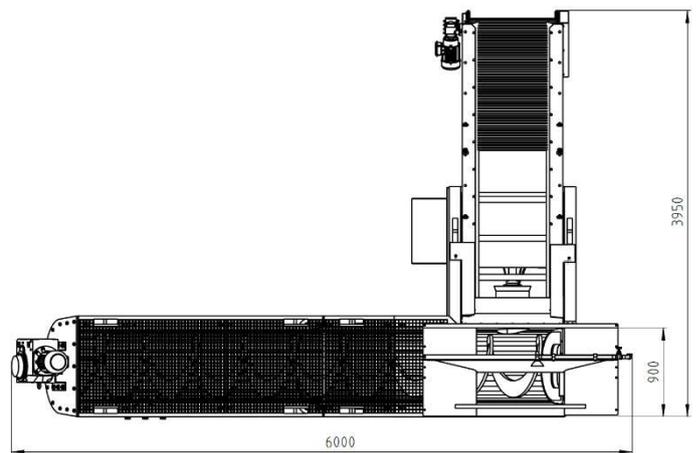


HDS-S side view

| 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

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 $> 1 \text{ g/cm}^3$ 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