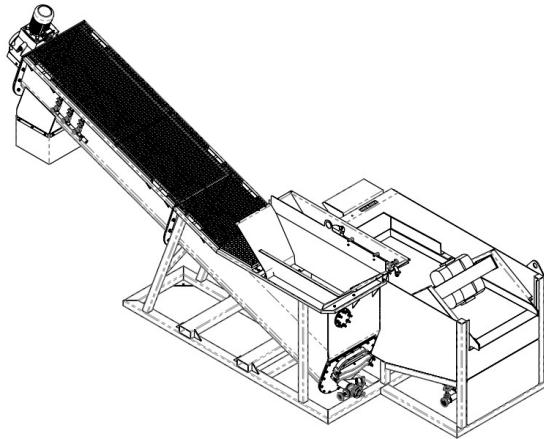
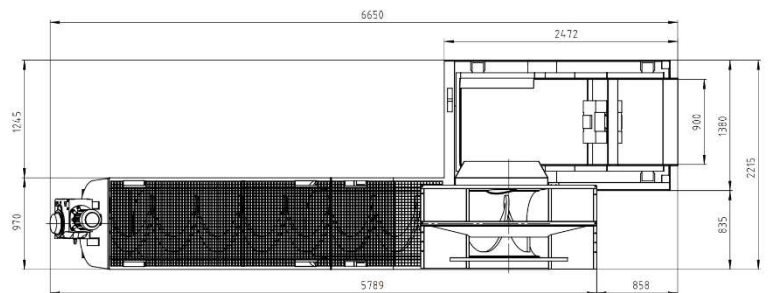


## Description

The HDS-SV is the result of the consistent further development of the HDS-S. The SV separates with the proven upflow principle of the HDS series and also washes the heavy fraction. The machine consists of a separation chamber, a dewatering screen for light materials and a washing and conveying screw for heavy materials. The core element is the variably adjustable propeller in the separation chamber. This propeller allows the flow speed to be adjusted for a wide range of materials.



HDS-SV view from above



HDS-SV top view

The infinitely variable propeller generates an upward flow in the separation chamber and transports the light materials to the discharge unit. The heavy materials sink to the bottom of the separation chamber and are discharged by means of a shaftless screw conveyor. For safe operation, the grain size of the feed material should be limited.

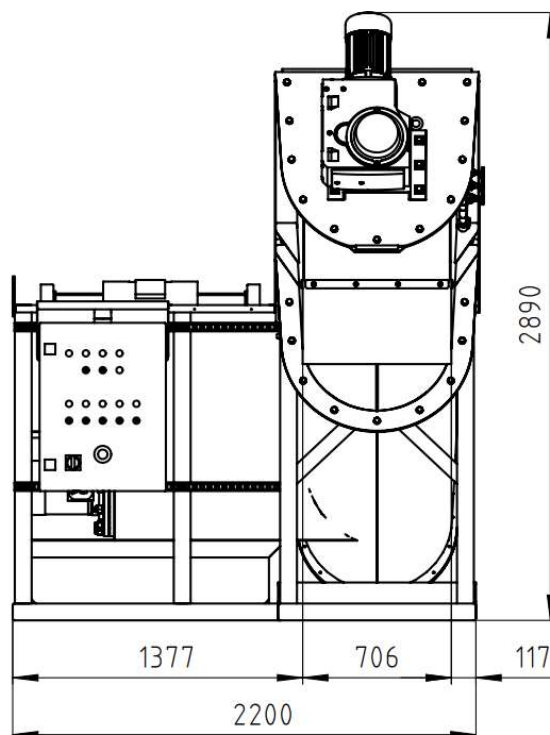
For example, in order to be able to discharge wet wood from minerals, material with a density of  $> 1 \text{ g/cm}^3$  can be transferred to the light fraction with the help of the upflow generated by the propeller.



HDS-SV side view

## Technical Details

DIMENSIONS (approx.)	
total length	6.700 mm
total width	2.250 mm
Total height	2.900 mm
WEIGHT (approx.)	
Empty weight	3.500 kg
WATER (approx.)	
quality:	operating water
water quantity initial filling	approx. 2 m <sup>3</sup>
ENERGY SUPPLY (approx.)	
network type	3Ph/N/PE
supply voltage / frequency	400 VAC / 50 Hz
back-up fuse (CEE plug)	63 A
power consumption	13,3 kW
DIMENSIONS HEAVY MATERIAL DISCHARGE (approx.)	
length, auger	5.000 mm
diameter, auger	700 mm
discharge height, trough	1.200 mm
discharge width, trough	900 mm
DIMENSIONS LIGHT MATERIAL DISCHARGE (approx.)	
length, dewatering screen	2.100 mm
width, dewatering screen	900 mm
discharge height, dewatering screen	1.100 mm
discharge width, dewatering screen	950
DIMENSIONS MATERIAL FEED (approx.)	
feed height	1.750 mm
feed width	1.250 mm
feed height, without hopper	1.200 mm



HDS-SV front view



HDS-SV separated heavy fraction



HDS-SV upflow



HDS-SV separated light fraction