



DIMENSIONS (approx.)

total length	14.800 mm
total width	2.500 mm
total height	3.900 mm

CONVEYOR BELT (approx.)

length	5.000 mm
width	800 mm

WEIGHT (approx.)

total weight	7.500 kg
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WATER

quality:	operating water
water quantity initial filling	ca. 5 m ³

ENERGY SUPPLY

network type	3Ph/N/PE
supply voltage / frequency	400 VAC / 50 Hz
back-up fuse (CEE plug)	125 A

HDS-M top and side view



HDS-M transport position



HDS-M auger



HDS-M infeed chute

Description

The HDS-M from WIMA is a machine for water-based density separation with integrated sediment discharge. The core of the HDS-M is the infinitely variable propeller which generates an up-flow of water.

The material is fed onto the inclined chute of the HDS-M and slides down into the water bath by gravity. Dense particles sink to the bottom and light particles float with the water. A shaftless auger at the bottom of the water bath discharges dense particles with an edge length of up to 150 mm. The water and the light particles are flowing into a drum. A conveyor belt at the end of the drum discharges the light particles.

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-M side view

DESCRIPTION

- Water-based density separation with integrated sediment discharge
- Internal water circulation
- Low operating costs

APPLICATIONS

- Compost screen overflow
- Residual wood processing
- Demolition and construction waste



HDS-M output processed stones



HDS-M output processed wood