PRODUCT SHEET

Norditek VB1400
Water Bath



Overview

The Norditek VB1400 is a water bath separator that effectively separates floating material from sinking material based on buoyancy. It handles material of 5–500 mm and is compatible with the full Norditek machine park.

In addition to separation, the water bath carries out a light washing of the material, removing fine particles that are pumped out through a sludge screw.

Key Capabilities

- Separates materials by buoyancy (e.g. wood from stone, or mixed materials where buoyancy differs)
- Adjustable water stream speed and optionally water density (using salt) for precise separation
- Light washing of material removes fine particles
- Handles waste 5–500 mm



Input Materials



Industrial waste



Construction and demolition waste



Road sweepings



Bark and similar mixed materials where buoyancy differs

Applications

The VB1400 separates materials that cannot be distinguished by size or shape alone — it works on the principle that different materials have different buoyancy. The output is three distinct fractions: floating material, sinking material, and sludge (pumped out via the side-mounted sludge screw).

Typical applications

Construction and demolition waste
separates wood from concrete, stone and ceramics. Wood floats; stone and concrete sink. This enables wood to be recovered as a clean fraction for further processing or energy recovery, while the mineral fraction is cleaned for recycling.

Industrial and mixed waste
separates materials of differing density where conventional size-based screening is insufficient.

Road sweepings
the light washing function removes fine particles and organic contamination, improving the quality of the recovered sand fraction.

Contaminated landfill masses
the water bath can help recover usable materials from mixed or contaminated input where density differences allow separation.

Wood chip purification
removes stones and other heavy contaminants from wood chip or biomass streams, protecting downstream machinery and improving fuel quality.

The simultaneous light washing function makes the VB1400 particularly useful wherever the input material is dirty — fine particles are continuously removed via the sludge screw, resulting in a cleaner output without a separate washing step.

Standard Equipment

01 Sludge screw for continuous discharge of sediment (timer-controlled)

02 Draining screw for continuous stacking of sediment (timer-controlled)

03 Frequency-controlled functions: heavy conveyor, light conveyor

04 Adjustable loading funnel

05 Rotating paddle, sliding in X and Y directions

06 Level sensor

07 Coupling for continuous water filling

08 BM bracket and 4-point lifting lugs

09 Brush on light conveyor

10 Brush on heavy conveyor

11 Impact bars on heavy conveyor with self-cleaning turning roller

Technical Specifications

Electricity	400V / 32A
Power	6.61 kW
Suggested generator	10 kVA
Infeed height:	3.0 m
Weight	4.57 ton
Transport dimensions	L6250 x B2900 x H3675 mm
Connection (water)	1 x Claw coupling
Water volume	3–4 m³



Modular System

The VB1400 is part of Norditek's modular system. All Norditek machines are compatible with each other, allowing customers to supplement, replace and adapt the system to what the material requires.

Commercial Conditions

Guarantee
1 year (from new machine) or 2,000 working hours, whichever comes first. No wearing parts. No labor cost. Norditek disclaims all liability for damage caused by use of non-original spare parts, accessories or equipment.

Delivery time
According to agreement.

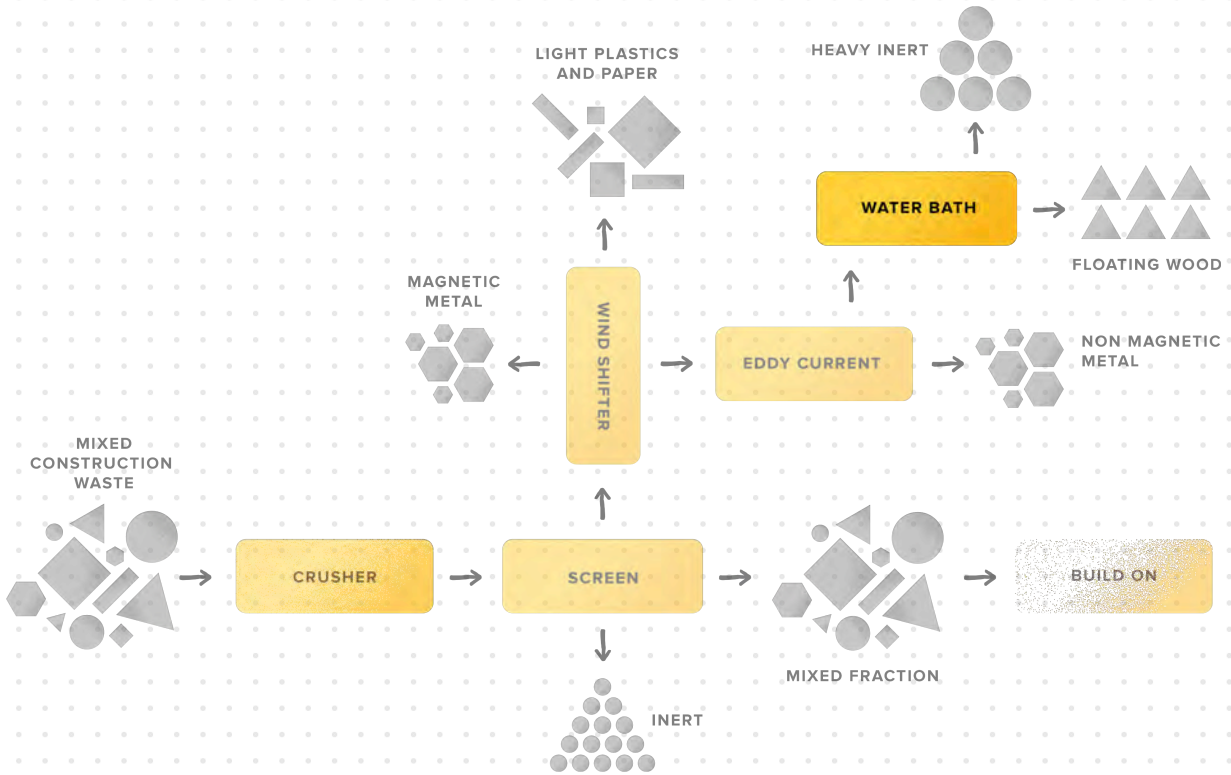
Delivery terms
Transport costs are not included in the price and will be invoiced afterwards.

Payment terms
Payment upon delivery. Norditek notifies when machine is ready; transport is booked when payment has been received.

Offer valid
1 month

Other conditions
According to NL 17. Statutory VAT is added.

WATER BATH IN ACTION



Contact

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Dealers
Visit norditek.se
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