



Foodstuffs – waste de-packaging – installation

Separation installation

for Organic and Industrial waste

NTA 8

The innovative Wet Separator for preparation and separation of mixed, packed and unpacked waste.

Can be used for:

Municipal residual waste

Organic products

Biodegradable waste

Recyclable substances

Waste of all kinds

And many further applications from agricultural, industrial, medical, up to and including contaminated residues.



This plant is a solution for the Technical Instructions on Municipal Waste of the Waste Storage Directive, which from 1 June 2005, prohibits the storage/land fill of untreated, organic, biodegradable municipal waste.

By treating and separating the organic and/or municipal waste, the environmental impact is lowered and a larger volume of high-quality biomass is thus made available for recycling.

If up to now waste was generally tipped without being treated, waste of this kind is thus now treated and recycled. In the process, the organic parts are fed back to generate renewable energy as compost or as biomass which leads to a definite reduction in land-fill waste and the resultant methane emissions.



By implementing this wet-mechanical separation process, waste fractions with maximum purity are achieved. Foreign material in biomass and compost no longer have a negative impact on the environment.

On this high-performance equipment, priority has been given to the highest quality, safety and precision in order to give the user the best possible results and to ensure cost-efficient waste treatment for many years.



The Processing Principle of the NTA 8

In fully automatic operation, products are comminuted, partially liquidised, treated, and foreign material is separated in order to make it ready for further processing. By means of a computer and frequency converter, the installation is regulated and controlled according to output.



Thus performance, the state of the installation, as well as fall-offs in performance or faults can be recognised early on. Reversing or washing programmes are automatically initiated, including independent, automatic switching off in the event that material ceases to be fed in.

This installation is characterised by the limited space it requires and can also be integrated into existing buildings and installations. We can also arrange planning and mounting the installation according to customers' specifications. Thus the feed can be carried out manually, automatically or directly by a wheel loader / lorry.

The machines in those areas in contact with the product are manufactured of stainless steel. We manufacture the steel structures of robust, lacquered industrial quality; on request also of stainless steel.



An output per hour of 5 to 8 tonnes can be processed without fault in non-stop operation. Foreign material such as plastic, rubber, foil and large pieces of debris are washed and discharged damp.

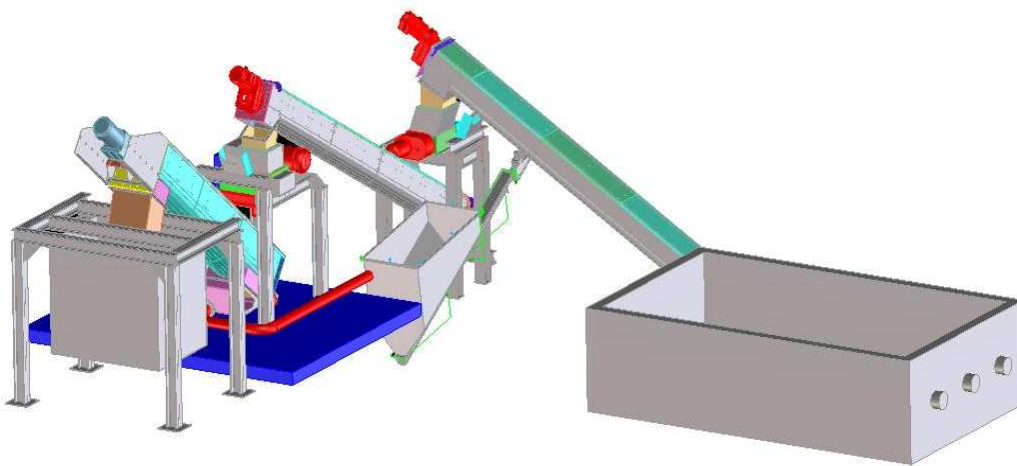
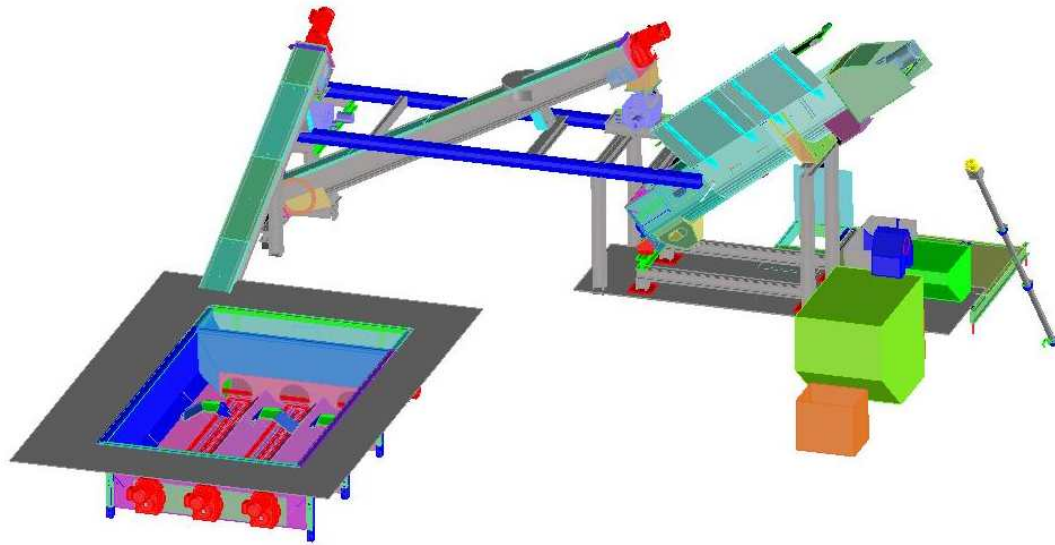
Glass, metals, stones, sand and other heavy foreign materials are separated by the flotation method from the substrate and discharged. Separation of abrasive foreign materials increases the service life of the pumps and machines and prevents the pipes, tanks and fermenter in biogas plants silting up, or the formation of slag in thermal installations.

A large part of the recirculating process water is returned to the circuit by using special water filters and so lowers operating overheads.

As an option, metals can be sorted out separately and collected for recycling.

For further applications and for drawing up plans for partial or complete installations for processing waste and other processes, please contact us.

Brama GmbH



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Separation of packed food

Packed food is separated into organic material and recyclable packing material.



Recyclable waste

- Meal waste
- Eggs and egg shells
- Bread, cakes and pastries
- Citrus and tropical fruits
- Cheese
- Salad
- Dairy products
- Fish and fish products
- Fruit and vegetable waste
- Corn products
- Noodles
- Meat, sausage and bones
- Dried fruits
- Flowers
- Coffee grounds
- Paper napkins



Recyclable and non-recyclable food waste

- Paper, cardboard
- Ashtray content
- Food trays
- Aluminium foil
- Styrofoam
- Metals
- Tin containers
- Glass
- Wood
- Earth
- Cigarette packages
- Butter paper
- Cutlery
- Ceramics and flowerpots
- Juice and milk packs

