

## Machinery for the recycling industry



**Vibrotech Engineering S.L.** is a Spanish company whose main activity is the design and manufacture of vibrating machinery and different types of installations to be used in the transport and selection of solid materials.

The company is formed by a team of professionals, with a wide experience in the design and manufacture of vibrating machinery and is at the disposal of its customers to meet their needs and adapt to their production demands.

The more than 20 years of experience, always in close contact with the needs of the general industry as well as our commitment to research and to the development of new solutions, enable us to lead projects in various industrial sectors.

**Vibrotech Engineering S.L.**, has offices in Mexico, San Sebastian, Bilbao, Madrid, Barcelona, Seville and Canary Islands with a wide commercial network in order to meet the needs of our customers, both commercially and technically.

Our Technical Office is firmly committed of promoting R&D&I in the continuous search for new and better solutions.

**Vibrotech Engineering, S.L.**, works with a firm commitment to expansion into international markets and continuous improvement in all its departments.



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## Machinery for industrial recycling



Discharge feeders  
Vibrating conveyors  
Vibrating screens  
Grizzlies - scalpers  
Densitmetric tables  
Vibrating drainers



## Vibrating conveyors

Used to share the product over the feeder

- Feeding to a overband or magnet
- Feeding to classification systems as optical sorters, Foucault and others
- Conveying high temperatura or very agresive products

Also used as discharge feeders with high dimension hoppers for light and other products ensuring a correct dosification

Several configurations according to the customers needs (special liners, grid areas, special steels, etc...)



Scrap vibrating feeder

Scrap feeder dosification to magnet



Resonance vibrating conveyor / resonance conveyor to scap conveying



## Screens

Screening is often used, either to obtain a recycled final product or for initial preparation of a product for subsequent processing.

Vibrotech Engineering has a broad manufacturing program for Screening machinery for any product and/or application:



- Small screens operated by one or two vibrators.
- Bars screens.
- Multidesk screens.
- Medium and large size conventional screens.
- Flip-flop screens.

We can also develop new machines to be integrated into the exclusive processes of each customer (one process, one customer, one machine).



## Grizzlies and scalpers

Essential machines in recycling rubble, they avoid the crushers becoming clogged with the fines mixed with the other materials.

This type of machine can also be equipped with diverging bars, to separate materials in heavy-duty applications (e.g., to remove sand from broken-up scrap, or to remove inert materials from domestic rubble).



## Vibrating drainers

- Used to separate solids from liquids.
- They can be equipped with bottom panels made of polyurethane, perforated sheet or mesh, depending on the needs of the customer.
- Open and closed models available.



## Densimetric tables

Densimetric tables are designed to separate products with different densities using a fluidising system.

Their operation is based on two simultaneous actions. One is the vibration imparted to the material, and the other is the fluidising effect of air blown through it. This produces a separation of products with different densities.

The main features of our separators are:

1. The amplitude and frequency of the different actuators used can be adjusted.
2. The separator is set upon inflatable anti-vibration supports. This allows the inclination of the separator to be adjusted (by approximately 5°).
3. They have a greater useful length, so the products remain on them for longer, increasing the separation efficiency.



## Discharge feeders

Vibrating machines to discharge and dosify from the hopper to other processes. Driven to unbalanced motors or electromagnetic drives

Used in all sectors for all kind of materials:

- Glass.
- Wood.
- Electronic waste.
- Metals.
- Plastics.
- Solid urban waste.
- Building and Demolition Waste (BDW).

