

# Vibrating Machinery & Installations



Ferrous and non-ferrous foundries

Steelworks, forges, sheet-metal works

Quarries, mining, cement plants, aggregates

Recycling

Food industry

Glass industry

Ceramics and chemical industries







**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.

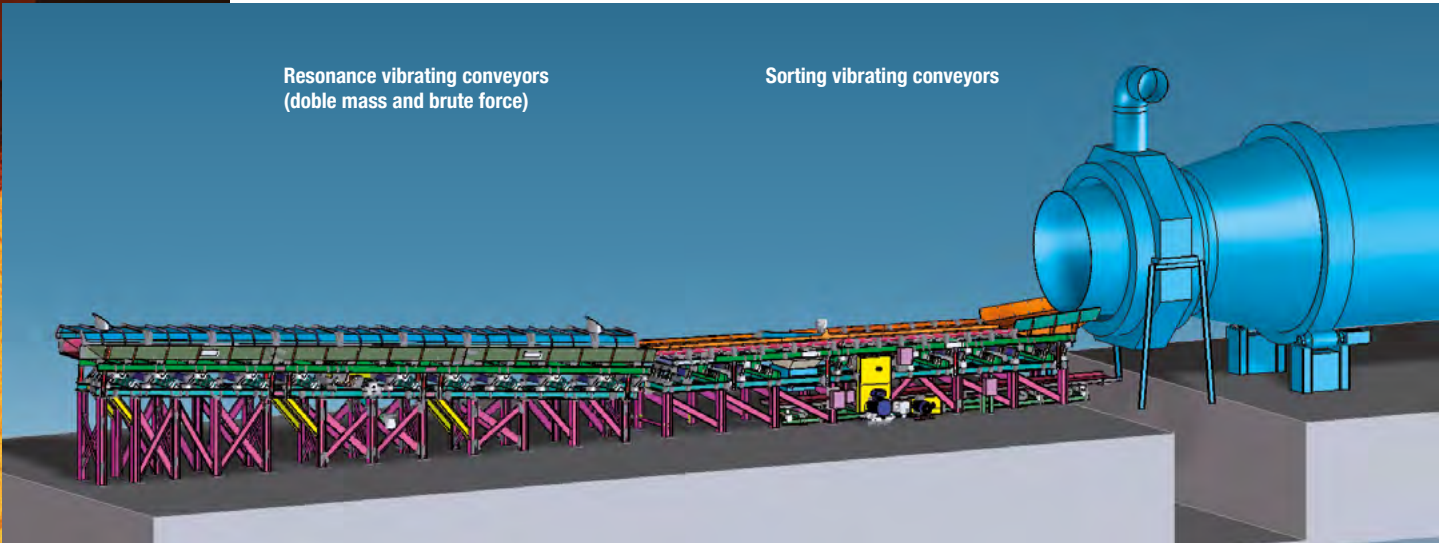
**Vibrotech Engineering, S.L.**, works with a firm commitment to expansion into international markets and continuous improvement in all its departments.



# Ferrous and non-ferrous foundries

Resonance vibrating conveyors  
(doble mass and brute force)

Sorting vibrating conveyors



## Machinery

1. Spill sand vibrating conveyors
2. Mold dump conveyor
3. Bidirectional vibrating feeders
4. Resonance vibrating conveyors (doble mass and brute force)
5. Defective molds extraction
6. Sorting vibrating conveyors
7. Continuous shake outs
8. Vibrating casting coolers
9. Shot blasting machine cars
10. Sand coolers



Spill sand vibrating conveyors (AMC & SBC sand collect)



Mold dump conveyor

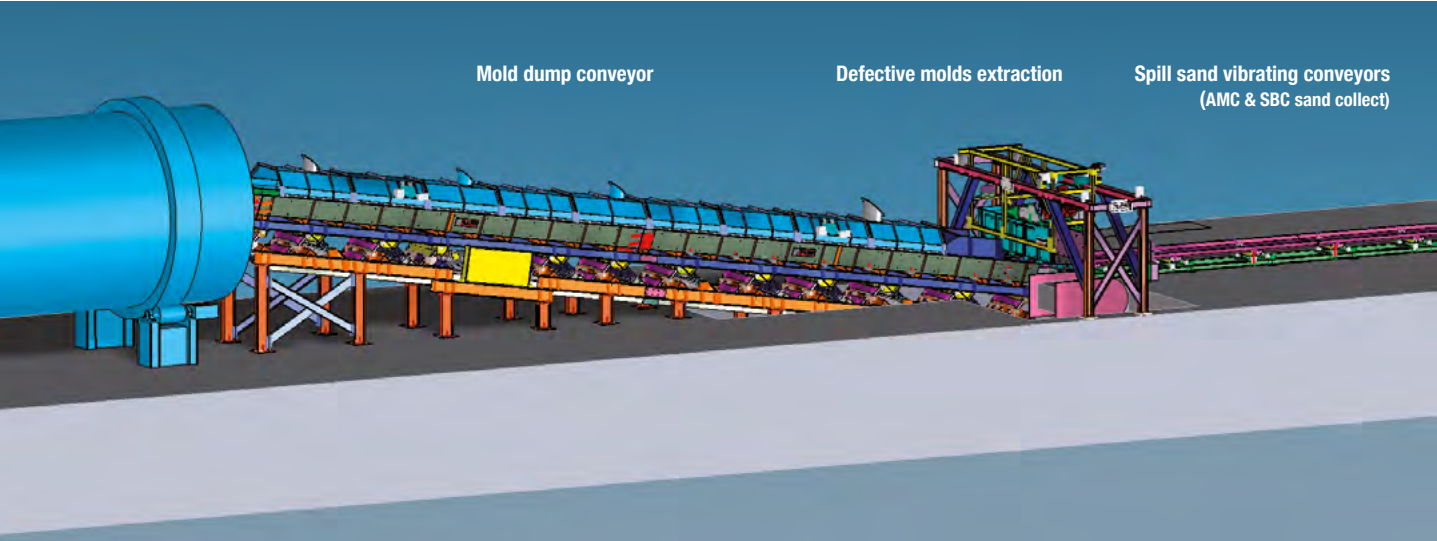


Resonance vibrating conveyors (doble mass and brute force)



Bidirectional vibrating feeders

# Vertical and horizontal molding lines



Mold dump conveyor

Defective molds extraction

Spill sand vibrating conveyors  
(AMC & SBC sand collect)



Defective molds extraction



Vibrating casting coolers



Sorting vibrating conveyors



Shot blasting machine car



Continuous shake outs



Sand coolers

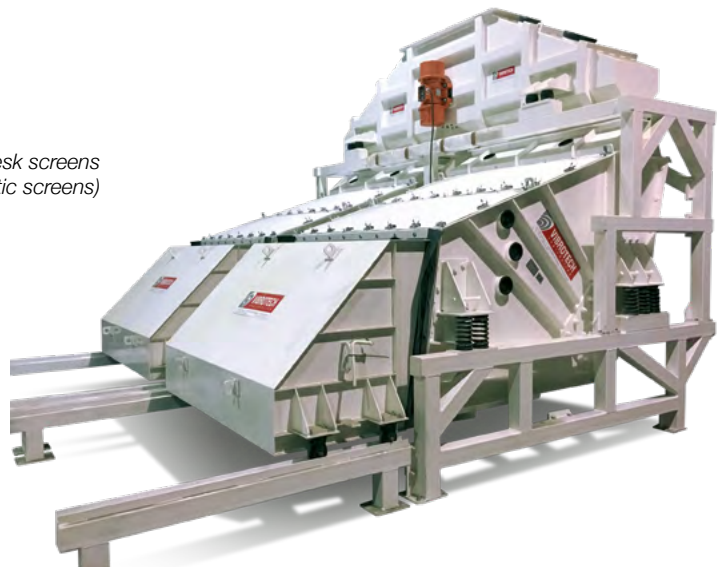


## Quarries and mines

Adapted to the processing of different minerals, such as coal, limestone, and aggregates in general, **Vibrotech** manufactures machinery to the highest standards of durability and quality.

These machines are adapted to the needs of our customers, with the aim of improving their production processes.

*Multidesk screens  
(probabilistic screens)*



### Vibrating machinery for quarries and mines.

- Discharge feeders:
  - Electromechanical.
  - Electromagnetic.
  - Exciter.
- Vibrating conveyors.
- Vibrating tubular conveyors.
- Grizzlies and scalpers.
- Vibrating drainers.
- Screen types:
  - Screens driven by an eccentric shaft with adjustable mass (circular movement).
  - Probabilistic screens, multidesk screens.
  - Circular and linear movement.
  - Screens driven by unbalanced motors.
  - Flip-flop screens.

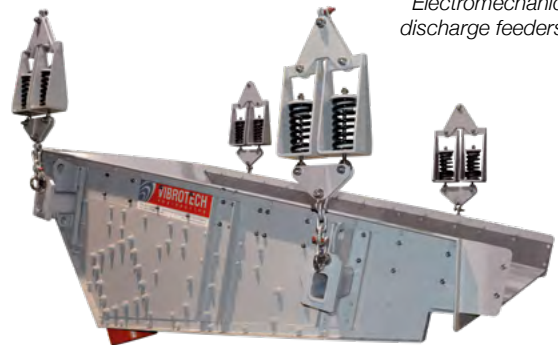
Screens driven by unbalanced motors



Grizzlies - scalpers



Electromagnetic discharge feeders



Electromechanic discharge feeders

Natural frequency vibrating conveyors (long distances)



Vibrating tubular conveyors



Elastic mesh screens (Flip-Flop)

Circular movement screen





# Recycling

**Vibrotech** offers solutions for recyclers of products of all types, adapted to their production processes. This enables us to provide them with the most cost-effective machinery.

Our machines are used to recycle many materials:

- Metal and scrap
- Glass
- Plastic
- Solid urban waste
- Building and Demolition Waste (BDW)
- Waste wood and vegetation
- Vehicle tyres



*Vibrating feeders for scrap cleaning installations*

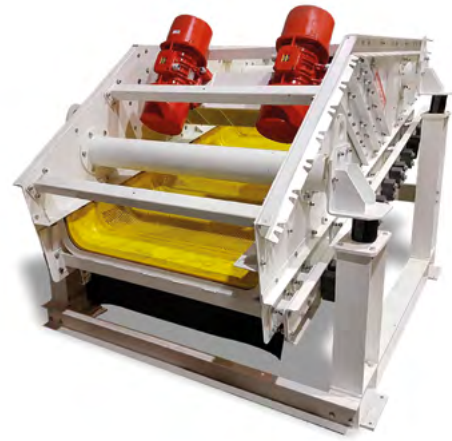


*Transportador dosificador a tambor magnetico*

## Vibrating machinery for recycling.

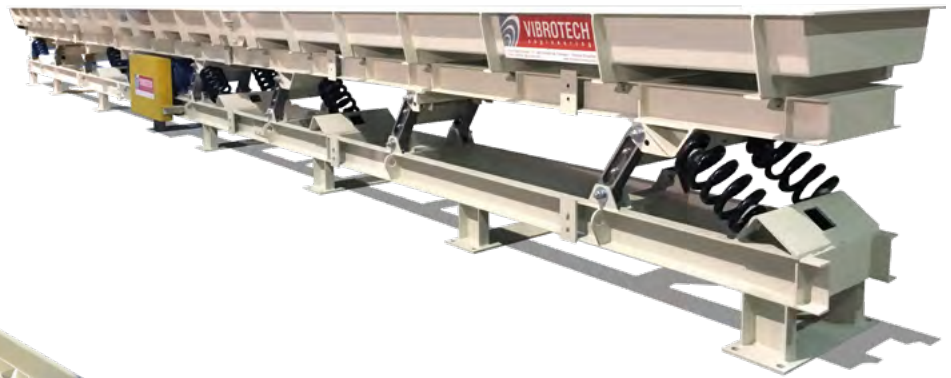
- Discharge feeders: electromagnetic and electromechanic.
- All type of vibrating conveyors.
- Elevators.
- Fluid beds for drying and cooling.
- Densimetric tables.
- Screens for cans and briks.
- Overhanging bar screens to separate large objects.
- Vibrating drainers for all kind of materials.
- Screen types:
  - Screens driven by an eccentric shaft with adjustable mass (circular movement).
  - Probabilistic screens, multidesk screens.
  - Circular and linear movement.
  - Screens driven by unbalanced motors.
  - Flip-flop screens.





Elastic mesh screens  
(Flip-Flop)

Natural  
frequency  
vibrating  
conveyors (long  
distances)



Circular and  
linear movement  
screen

Densimetric table



Vibrating drainer  
or dewatering  
screen





## Food industry

The processes used in the food industry require the highest standards of safety, cleanliness and reliability in the machinery used.

The machines manufactured by **Vibrotech**, constructed using different grades of stainless steel, are the ideal solution for improving transport, dosing, elevation and screening processes for different products.

*Screening conveyor with leaf springs*



### Vibrating machinery for the food industry.

- Discharge feeders: electromagnetic and electromechanic.
- Dosing machines for all kind of products.
- Vibratory conveyors: electromechanic and natural frequency conveyors.
- Vibrating elevators.
- Drying and cooling machinery.
- Screens.
- Vibrating drainers.
- Compacting tables.
- Special applications.

Natural frequency conveyor with leaf springs



Sealed conveyor



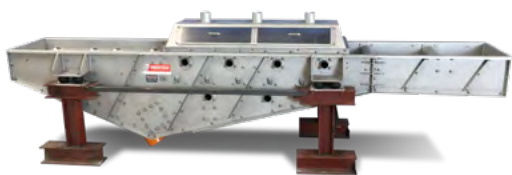
Electromechanic conveyor-screen



Vibrating tubular conveyors



Electromechanic conveyor



Balanced natural frequency conveyor



Electromagnetic discharge feeder



Vibrating elevator





## Glass industry

Manufacture of machinery for the glass industry (manufacturers of bottles, sheet glass, etc.) and for glass recyclers, for many applications, including dosing materials during the composition phase, transport of reject material, screening, density separation, etc.



*Elastic mesh screens  
(Flip-Flop)*

### Vibrating machinery for recycling and glass manufacture.

- Discharge feeders.
- Electromagnetic dosers.
- Vibrating conveyors (electromechanical, natural frequency conveyors, etc.).
- Tubular vibrating conveyors.
- Screens.
- Densimetric tables.
- Fluid-bed dryers.



*Discharge feeder*



*Densimetric table*



*Screens*

*Vibrating conveyor*





# Chemical-ceramic industry

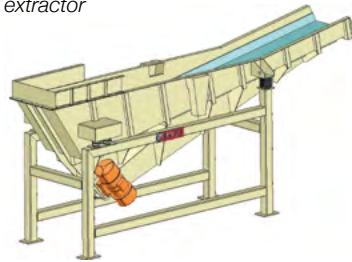
Dosifiers for different products, transport, material lifting and screening are just some of the applications for which Vibrotech offers solutions in the varied production processes used in the chemical-ceramic industry.

For the ceramic frit industry, we make extractors to extract the liquid frit from the oven. This machine, equipped with a water tank, receives the liquid frit from the oven, and this is crystallised by the thermal shock produced. Once crystallised, the frit is transferred to the outlet of the machine to be stored.



Vibrating elevator

Ceramic frit extractor



Screens



Vibrating tubes



Vibrating bi-directional conveyor



## Maquinaria vibrante para la industria química-cerámica.

- Extractores de tolva: electromagnéticos y electromecánicos.
- Transportadores vibrantes: electromecánicos, electromagnéticos y de frecuencia natural.
- Extractores de frita cerámica del horno.
- Elevadores vibrantes.
- Maquinaria de secado y enfriamiento.
- Cribas.
- Escurridores vibrantes.
- Mesas de compactación.
- Aplicaciones especiales.





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